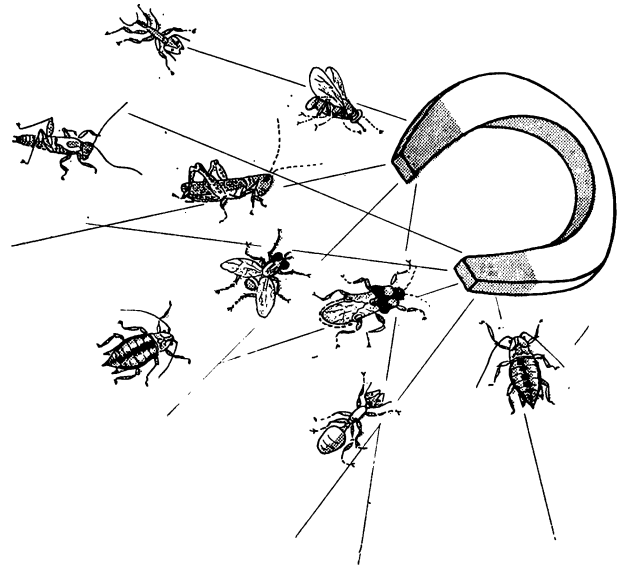
MATERIALS TESTED AS INSECT ATTRACTANTS

Agriculture Handbook No. 239

Agricultural Research Service
United States Department of Agriculture



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Compiled by M. Beroza and N. Green,
chemists, Entomology Research Division

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Contents

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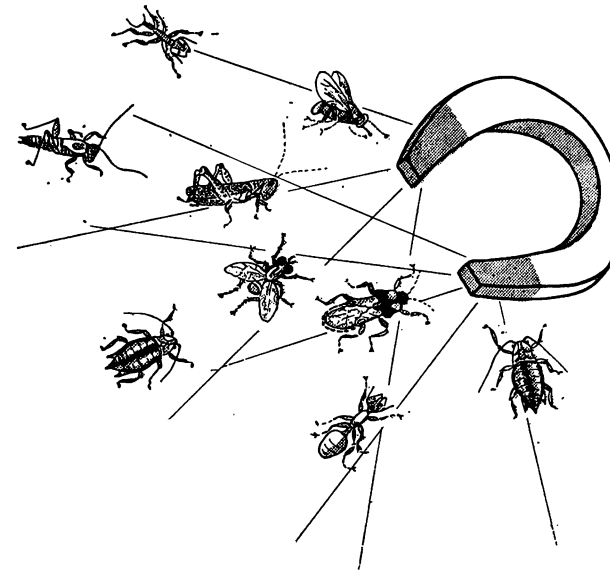

Fast intercontinental travel and trade are stepping up chances of importing nonindigenous insect pests into the United States. Attractants, or lures, can be of considerable aid in facilitating the early detection of such insect pests, and they are of vital importance in measuring the progress of a program aimed at eradicating a species that has become established.

The Entomology Research Division has pioneered in the use of insect attractants on a large scale and has conducted a program to find new attractants. The test procedures and results obtained in screening more than 4,000 materials against 10 insect species are given in this handbook.

When organic chemicals that exhibited attractiveness were found, these leads were explored by testing structurally related compounds. Some of the attractants found have already proved to be of considerable practical value.

For additional information on insect attractants, such as uses, types, properties, and methods of discovery, see references *6*, *11*, and *12* under Literature Cited, page 8.

MATERIALS TESTED

Sources

The Entomology Research Division has for many years conducted a pesticide screening program (*17*). When work on attractants was begun, several chemicals originally obtained for this pesticide program were selected for testing as lures. Candidate lures were also obtained through the cooperation of other Government agencies, chemical companies, and universities. Since early in the 1950's most of these test materials were procured or produced by the Pesticide Chemicals Research Branch at Beltsville, Md. The staff included S. I. Gertler, B. H. Alexander, N. Green, T. Oda, W. F. Barthel, R. T. Brown, and M. Beroza, who synthesized chemicals for this study, R. W. Ihndris and E. M. Osborne, who named most of the organic compounds, and M. Jacobson and W. A. Jones, who prepared the botanical extracts.

Systematic Arrangement

To facilitate finding relationships between chemical structure and activity, the materials tested were systematically arranged in the following groups:

Compounds containing carbon and hydrogen only:

1. Hydrocarbons.

[1] Many entomologists, chemists, and other scientists of this Division participated in these studies. Those taking part in the chemical work are listed under Materials Tested. Those conducting tests reported here are listed under the specific insect they used.

Compounds containing carbon, hydrogen, and oxygen only:

2. Acids and acid anhydrides.
3. Aldehydes and acetals.
4. Esters and lactones.
5. Ethers.
6. Ketones.
7. Alcohols and phenols.

Compounds containing elements in addition to carbon, hydrogen, and oxygen:

8. Nitrogen-containing compounds.
9. Halogen-containing compounds.
10. Sulfur-containing compounds.
11. Phosphorus-containing compounds.

Materials not otherwise classified:

12. Materials of unknown or indefinite composition.

This grouping is useful in coding materials according to their elements and functional groups on McBee Keysort cards. Compounds containing only carbon, hydrogen, and/or oxygen fall in groups 1 through 7. Polyfunctional compounds such as keto acids and aldehyde esters fall in the first pertinent group; for example, acid esters are placed in group 2 and keto ethers in group 5. Compounds containing elements in addition to carbon, hydrogen, and oxygen fall in groups 8 through 11 regardless of their functional groups. Thus, to find hydroxy esters, one should look in group 4, although hydroxy esters containing elements in addition to carbon, hydrogen, and oxygen would be located in groups 8 through 11. Most of the materials in group 12 are derived from natural products. Within each of these groups the materials are listed alphabetically. (See table 2, page 10.) The names of compounds, with a few minor exceptions, are in accordance with the Chemical Abstracts indexing system (*5*).

TEST INSECTS

The common and scientific names of the insects used in these studies are as follows:

Oriental fruit fly	*Dacus dorsalis* Hendel
Melon fly	*Dacus cucurbitae* Coquillett
Mediterranean fruit fly	*Ceratitis capitata* (Wiedemann)
Mexican fruit fly	*Anastrepha ludens* (Loew)
Gypsy moth	*Porthetria dispar* (Linnaeus)
Drosophila (pomace fly)	*Drosophila melanogaster* (Meigen)
European chafer	*Amphimallon majalis* (Razoumowsky)
Pink bollworm	*Pectinophora gossypiella* (Saunders)
Boll weevil	*Anthonomus grandis* Boheman
House fly	*Musca domestica* Linnaeus

The materials were tested against the adults and, unless otherwise noted, the attraction was for the males.

TEST PROCEDURES

In initial tests, the materials were classified according to their ability to attract insects as follows:

Class	*Amount of attraction*
1	Little or none.
2	Moderate.
3	Strong.

Specific assignments of class were based upon experimental performance and are given for each species. (See table 2.)

In follow-up tests, the most potent lures in laboratory tests were subjected to field evaluation. Although the final determination of a lure's performance was made in the field, generally in comparison with a standard lure, such tests are not reported here.

Oriental and Mediterranean Fruit Flies and Melon Fly

Honolulu, Hawaii—L. D. Christenson, formerly in charge, L. F. Steiner, now in charge, D. H. Miyashita, K. Ohinata, W. C. Mitchell Shizuko Mitchell, I. Keiser, and P. Gow[2]

In laboratory screening tests, Gow's olfactometer (*9*) was stocked with 25,000 to 100,000 insects. The olfactometer (fig. 1) is a room-sized cage, 9 feet square and 8 feet high, equipped with a horizontally mounted wheel, which is slowly rotated to eliminate any positional advantage. Suspended from the wheel are invaginated glass traps, which contain the test materials, usually in 0.1-percent aqueous emulsions. Four candidate lures were tested simultaneously and each was replicated three times. The cage was located outdoors to approximate natural conditions, and breezes prevented accumulation of undesirable odors. Since supplies of food and water were available at all times, a candidate lure had to prove itself in competition with these essentials. The candidate lures were usually screened against the oriental and Mediterranean fruit flies and melon flies at the same time.

The materials were classified according to their attractancy index, which was obtained by dividing the number of insects caught with the candidate lure by the number caught with plain water.

	Attractancy index for—	
Class	*Males*	*Females*
1	Less than 11	Less than 6.
2	From 11 to 50	From 6 to 50.
3	Greater than 50	Greater than 50.

Supplemental laboratory tests, which were made before a lure was tested in the field, were employed

[2] Deceased Dec. 12, 1954.

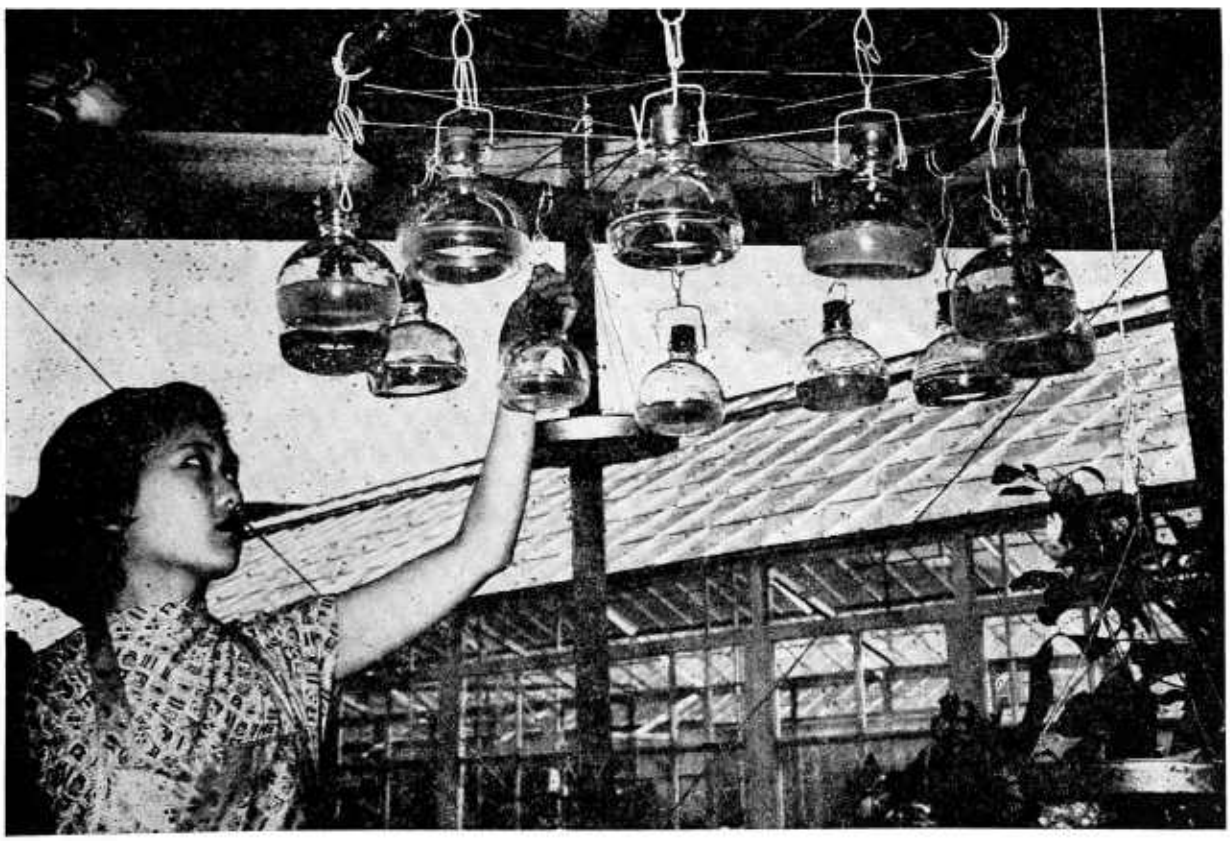

FIGURE 1.—Screening potential oriental fruit fly attractants in the olfactometer.

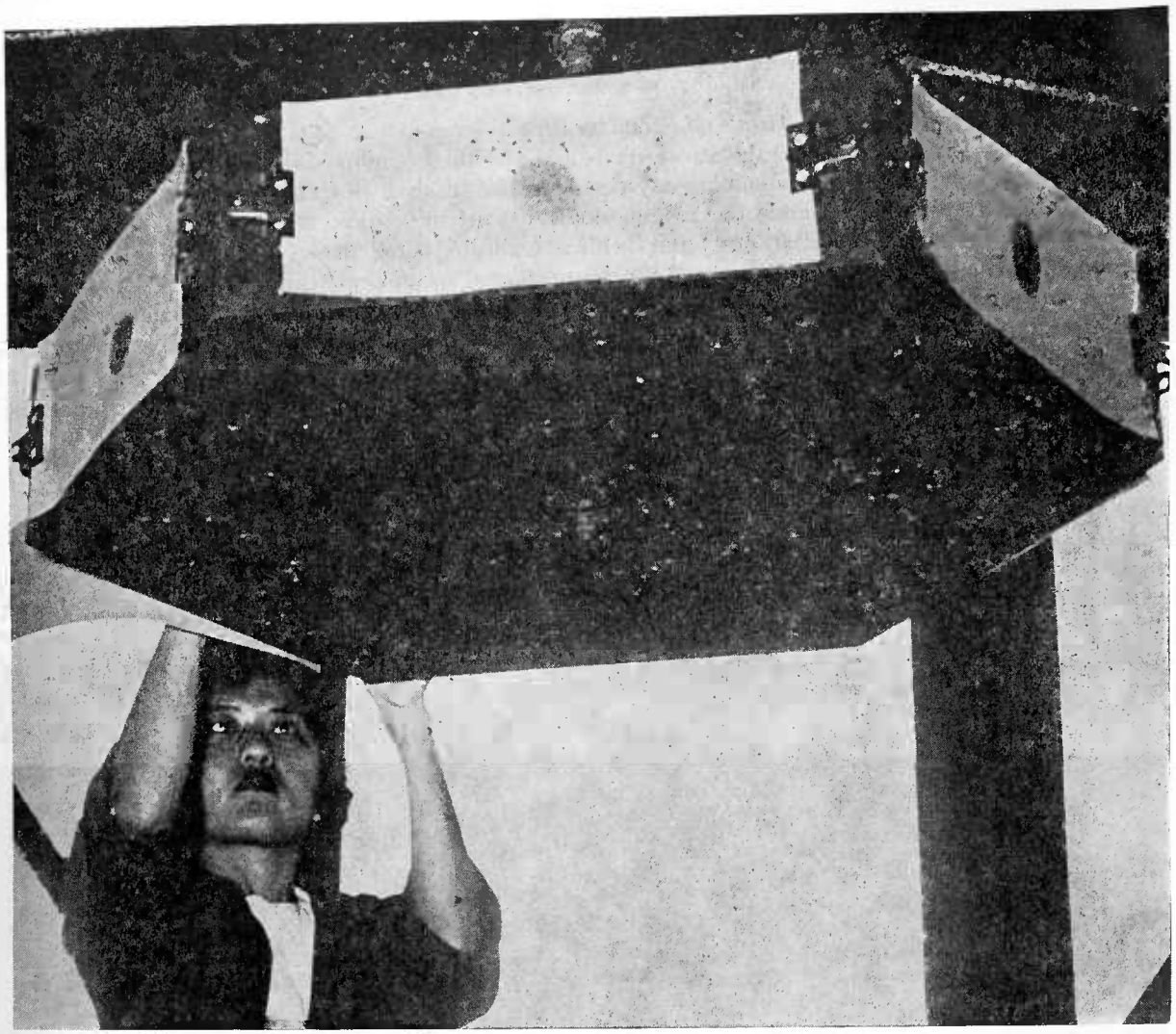

FIGURE 2.—Conducting wick tests in the olfactometer.

to determine whether a lure would be useful in dry traps, whether it would be persistent, and whether it could be used in combination with a toxicant.

In the supplemental tests the horizontally mounted wheel and traps of the olfactometer were replaced with a hexagonal prism 6 inches thick (fig. 2). Each of its six faces was covered with a piece of kraft paper, to the center of which was fastened a cotton wick 1½ inches long. This wick, treated with 0.5 ml. of the candidate lure, was attached with cellulose tape in such a way that the lure could not touch the paper. The lures were exposed for 15 minutes, and their efficiency in comparison with that of a standard lure was determined by estimating the number of flies that congregated on or near each wick. Any repellency from high concentrations of the lure could be observed. A lure having this characteristic would be relatively ineffective for field use. If the flies fed on the lure, an insecticide was added to see if they would ingest the poisoned lure. Duration of effectiveness of lures was estimated by holding the wicks under standardized conditions and periodically testing them in the olfactometer along with a standard lure until they were no longer attractive.

The supplemental tests gave, with a minimum of test material, the information needed to set up field tests efficiently.

Mexican Fruit Fly

Mexico City, Mexico—W. E. Stone, in charge, J. F. Cooper, F. Lopez-D., and D. L. Chambers

The laboratory screening-test procedure was the same as previously described, except that the olfactometer in which most of the work was done was located indoors. A temperature of 25°–28° C. and 50-percent relative humidity were maintained. Light conditions were standardized with artificial lighting.

Classification of materials for both sexes of the Mexican fruit fly was the same as that given in the preceding screening tests for females.

Gypsy Moth

Beltsville, Md.—Pesticide Chemicals Research Branch, Martin Jacobson, Morton Beroza, and Nathan Green; in cooperation with Plant Pest Control Division, Moorestown, N. J., H. L. Smith; and Division of Forest Insect Research, Forest Service

Filter-paper cartridges each containing about 0.25 gram of the candidate lure were exposed in traps (fig. 3) for at least 4 days of the gypsy moth flight season in the New England area. The traps were hung from branches 3 feet above ground and about 10 to 15 feet apart. The lures were tested either singly or in duplicate. If a trap caught more than two moths, additional traps were set out for confirmatory tests. They contained several amounts of the lure—usually 0.02, 0.25, or 1.0 gram per cartridge—and each treatment was replicated two to four times. Materials that rated above class 1 were reduced to class 1 if no moths were caught in confirmatory tests. The standard trap contained the hydrogenated extract of the natural lure prepared from 12 abdominal tips of the virgin female moth (*1*).

The materials were classified as follows:

Class	*Number of captures*
1	From zero to two.
2	Three or more but less than the standard.
3	Equal or exceed the standard.

Drosophila

Beltsville, Md.—Horatio C. Mason and Harold C. Gibson

Tests were run in a laboratory room, 15 by 11½ by 9 feet, maintained at 24° to 27° C. and stocked with 2,000 to 4,000 drosophila adults. A few drops of the candidate lure were placed on a circle of filter paper laid on a piece of aluminum foil. Between 15 and 35 of these unreplicated lures were distributed on a 5-foot circular table, which rotated at about 1 r.p.m. After a 2-hour exposure the number of drosophila on each lure was compared with the number on a standard lure of sugar, vinegar, yeast, and water.

Because none of the materials tested approached the attractiveness of the standard lure, all were rated as class 1 in table 2.

European Chafer

Geneva, N. Y. —H. Tashiro

Five drops of a 50-percent v/v solution of the candidate lure in ethanol were placed on a strip of absorbent paper 1½ by 5 inches. The strip was inserted in the central perforated cylinder of each trap within an hour before the flight of the European chafer beetles was expected. Traps containing four candidate lures and a standard were spaced 20 feet apart in a 5 by 5 Latin square arrangement. The standard lure was a 3 to 1 mixture by volume of Java citronella and eugenol. Evaluations were made after one night's flight.

The materials were classified as follows:

Class	*Number of captures*
1	Less than the standard.
2	One to three times the standard.
3	More than three times the standard.

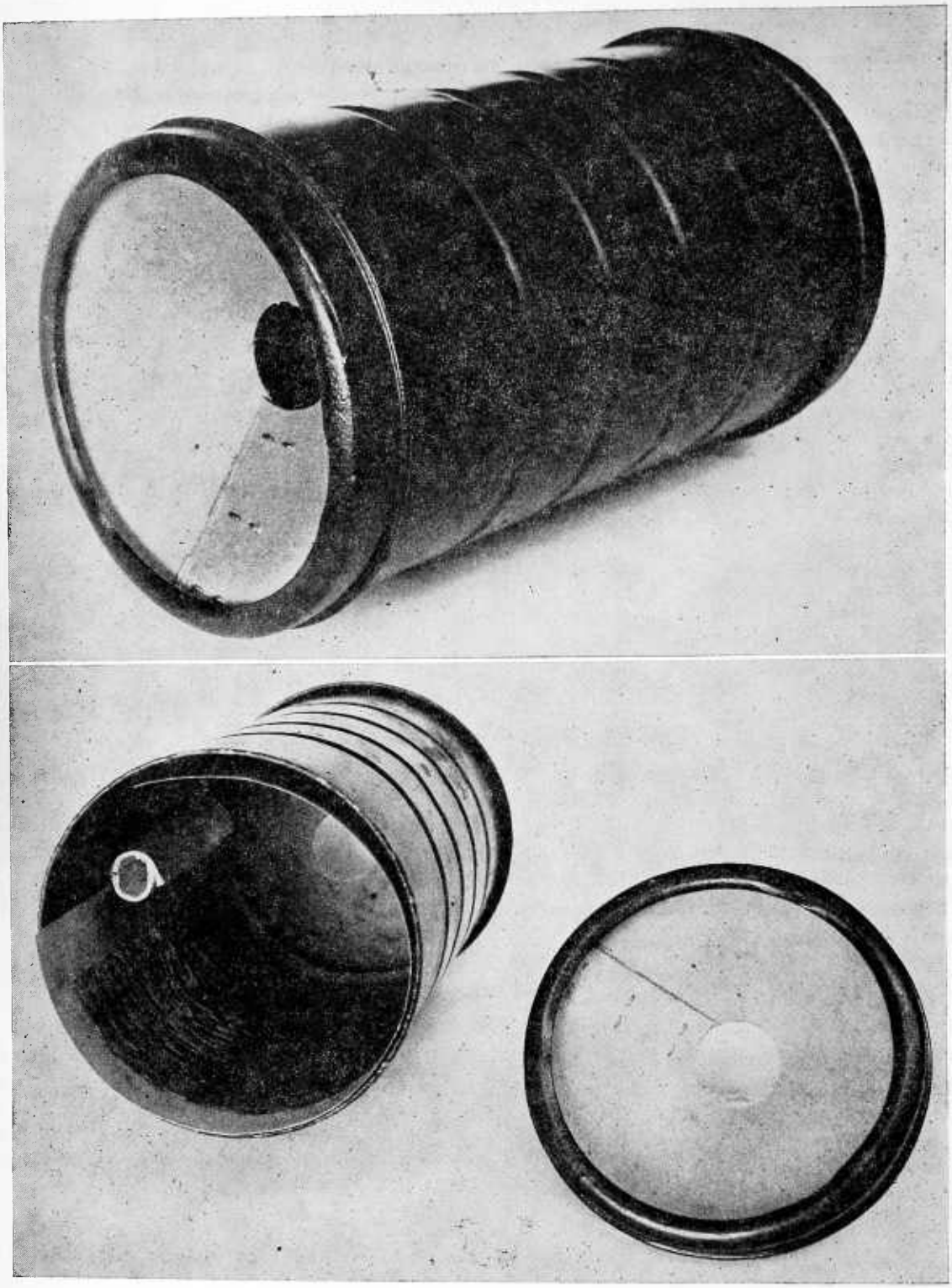

FIGURE 3.—Metal gypsy moth trap: Above, assembled; below, disassembled to show impregnated paper cartridge and liner covered with adhesive that holds trapped moths.

Pink Bollworm

Brownsville, Tex.—J. M. McGough

A 6-foot cubical cage was fitted with a 5-foot horizontally mounted wheel, which was rotated at about one-half r.p.m. Suspended from the rim were six plastic traps containing aluminum weighing dishes with the standard of *m*-isopropoxybenzyl chrysanthemumate (ENT–21426) and the candidate lures. The traps, which were similar to the gypsy moth trap (fig. 3), were 3 inches in diameter and 10 inches long. The temperature was held at about 27° C.

The attractancy of the test materials to the pink bollworm was calculated by the formula—

$$\frac{\text{Insects trapped by lure} - \text{insects trapped by standard}}{\text{Total insects trapped (lure} + \text{standard)}} \times 100 = \text{rating}$$

The materials were then classified as follows:

Class	*Rating*
1	Less than −15.
2	From −15 to 33.
3	Greater than 33 (more than twice as attractive as the standard).

When tests were made at more than one concentration, the best rating was given; tests at the same concentration were averaged.

Boll Weevil

Brownsville, Tex.—J. M. McGough

One half of a cotton boll was dipped in aqueous alcohol containing the candidate lure and the other half in an equal strength of aqueous alcohol without the lure. Both halves were placed on a 4-inch-square plate glass, which was put in a cage, 1 by 1 by 2 feet, equipped with controlled lighting and a small fan for ventilation. Two hundred boll weevils were introduced into the cage, and after 35 minutes the insects on each half of the cotton boll were counted. The temperature was held at about 27° C.

The attractancy of the lures to the boll weevil was calculated by the same formula as for the pink bollworm, except one half of a cotton boll was treated with candidate lure and the other half, or the standard, was not treated.

House Fly

Orlando, Fla.—Carroll N. Smith, in charge, G. C. LaBrecque, and H. G. Wilson

Two standardized tests were used for house fly attractants and arrestants (*7*). Glass traps were utilized for attractants and open petri dishes for arrestants. Five hundred male and female house flies from a regular colony were anesthetized with carbon dioxide, placed in cylindrical holding cages that were 8 inches high and 2½ inches in diameter, and given a 10-percent honey solution on absorbent cotton pads. They were held overnight. The next day, 18 hours after anesthesia, the flies were released in a 4-foot cubical cage and allowed to feed on sugar for 30 minutes. The sugar was removed, and 30 minutes later it was offered to the flies again. Testing was begun only after 2 percent of the flies started to feed.

In the tests for attractants, the candidate lure was placed in a 12-ounce drinking glass and covered with a screen to prevent flies from coming in contact with it. An inverted screen cone placed at the mouth of the glass completed the trap. A trap containing the standard was exposed in a cage of flies at the same time as the trap with the lure. One 30-minute exposure of a lure and the standard constituted a test. The number of flies on the lure divided by the number feeding on the standard gave the ratio to the standard.

No satisfactory standard was found for these tests. In the first tests either a blank or sugar, which is nonvolatile and has no true attractiveness, was used as the standard. After several hundred compounds were tested, Edamin[3] was selected as a standard. It is an enzymatic milk digest, which exhibited a fair

[3] The mention of a proprietary product does not imply its endorsement by the U.S. Department of Agriculture over similar products not named.

amount of volatile attractiveness and gave reasonably consistent results. In a series of 424 tests, more than 10 flies were caught in 107 tests, 5–9 flies in 141 tests, 2–4 in 86 tests, 1–2 in 65 tests, and 0 in 25 tests. All test results were discarded unless three or more flies were caught with the Edamin standard. Edamin was more attractive to females than to males; the ratio captured was about 14:1.

In the tests for arrestants, which may be attractants as well, the candidate lure and a standard of granulated sugar, in equal quantities, were each placed in a petri dish and exposed in the testing cage. After 2 minutes the flies feeding in each dish were counted and shooed away by a wave of the hand. The positions of the dishes were reversed and the test was repeated. Four exposure periods constituted a test. The ratio to the standard was computed in the same manner as for the attractants.

The materials were classified as follows:

Class	*Rating*
1	Less than 5 times as attractive as the standard.
2	From 5 to 20 times as attractive as the standard.
3	More than 20 times as attractive as the standard.

RESULTS

Attractants may be found by extracting, isolating, and identifying the attractive principles from natural sources, such as insects, host animals, and host plants. Another approach is to screen a great number of materials of both natural and synthetic origin. Where attractive substances are found, an attempt is made to increase the effectiveness by synthesizing or otherwise obtaining related materials. Some of the best attractants were discovered by the latter approach. These have been invaluable for detecting and surveying insect populations. The possibility of using the more powerful ones for control work is being investigated.

The most effective attractants discovered in the screening programs of the Entomology Research Division are given in table 1. In table 2 the materials tested are classified as to their attractancy for 10 insect species.

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Table 1.—*Most effective attractants for four insect species*

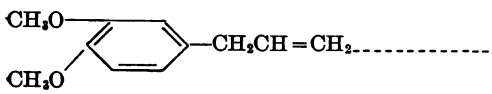
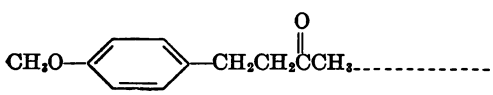
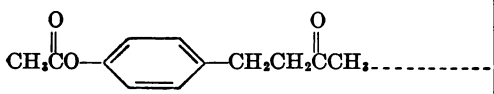
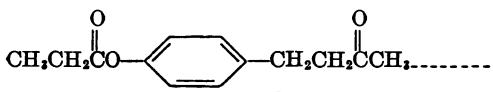
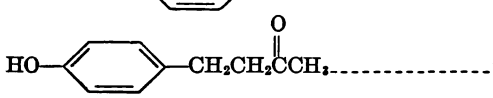
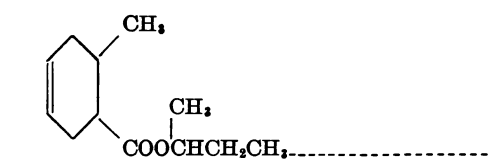
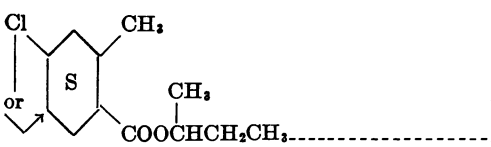
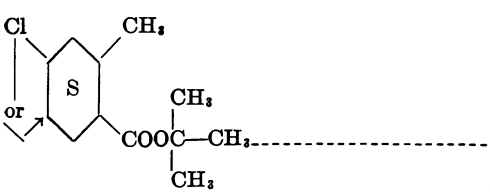
Structure of chemical	Chemical group No.	Type of compound	Common name	Reference
ORIENTAL FRUIT FLY				
	5	Ether	Methyleugenol[1 2]	*13, 18*
MELON FLY				
	5	Ketoether	Anisylacetone	*2*
	4	Ketoester	Cue-lure[1]	*3*
	4	do		*3*
	6	Ketophenol		*3*
MEDITERRANEAN FRUIT FLY				
	4	Ester	Siglure	*8, 10, 19*
	9	do	Medlure	*4*
	9	do	Trimedlure[1]	*4*
Unknown	12	Sesquiterpene (active ingredient)	Angelica seed oil	*20*

TABLE 1.—*Most effective attractants for four insect species*—Continued

GYPSY MOTH

Structure of chemical	Chemical group No.	Type of compound	Common name	Reference
$CH_3(CH_2)_{13}—CHOHCH_2OH$	7	Alcohol		*14*
$CH_3(CH_2)_{13}—CH(O)—CH_2$	5	Epoxide		*14*
$CH_3(CH_2)_5CH(O—CO—CH_3)—CH_2—CH=CH(CH_2)_5CH_2OH$[1]	4	Unsaturated ester alcohol		*16*
$CH_3(CH_2)_5—CH(O—COCH_3)—CH_2—CH=CH(CH_2)_7CH_2OH$	4	---do---	Gyplure	*15*

[1] Best lure available for species.
[2] First reported by Howlett (*13*).

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		GROUP 1.—HYDROCARBONS											
1	128	Acenaphthene	1	----	1	1	----	----	----	1	1	----	----
2	737	Alloöcimene	1	1	1	1	----	----	----	----	----	----	----
3	155	Anthracene	1	----	1	1	----	----	----	1	1	----	----
4	24829	Aromadendrene	1	----	1	----	----	----	----	----	----	----	----
5	808	Benzene	1	----	----	----	----	----	----	----	----	----	----
6	15336	Benzene, diethyl- (mixture of *m* and *p*)	1	----	2	1	----	----	1	1	2	----	----
7	9057	Benzene, ethyl-	1	----	1	1	----	----	----	1	2	----	----
8	24180	Benzene, ethynyl-	1	1	----	----	----	----	----	----	----	----	----
9	4220	Benzene, pentaethyl-	1	----	1	1	----	----	----	----	----	----	----
10	23862	Benzene, propyl-	1	1	----	----	----	----	----	----	----	----	----
11	25182	Benzene, 1,2,4,5-tetramethyl-	1	1	2	1	1	----	----	1	----	1	1
12	4219	Benzene, x,x,x-triethyl-	2	----	2	1	----	----	----	1	1	----	----
13	3976	Benzene, 1,2,4-trimethyl-	1	----	1	1	----	----	----	----	----	----	----
14	24106	Benzene, x,x,x-trimethyl- (a mixture)	1	----	1	1	----	----	----	----	2	----	----
15	24887	Bicyclo[2.2.1]hepta-2,5-diene	1	1	1	1	1	----	----	2	1	----	----
16	36	Biphenyl	1	----	3	1	----	----	2	1	1	----	----
17	21616	*p,p'*-Bitolyl	1	----	1	----	----	1	----	----	----	----	----
18	25132	1-Buten-3-yne, 2-methyl-	1	1	1	1	1	1	----	----	1	----	----
19	1775	Camphene	1	1	1	1	----	----	----	----	----	----	----
20	24696	Caryophyllene (mixed *alpha-* and *beta-* isomers)	3	----	2	1	----	----	----	----	----	----	----
21	867	Chrysene	1	----	1	1	----	----	----	----	----	----	----
22	4630	Cumene	1	1	----	1	----	----	2	1	1	----	----
23	8222	Cyclohexane	2	2	----	----	1	1	1	2	2	----	----
24	25083	Cyclohexene, 3-(1-butenyl)-2,4,4-trimethyl-	1	----	1	1	1	----	----	2	1	----	----
25	2272	*p*-Cymene	2	----	2	2	----	----	1	1	1	----	----
26	24107	Decane	1	1	1	2	----	----	----	----	----	----	----
27	3386	Dicyclopentadiene	1	1	1	1	----	1	----	----	----	----	----
28	23978	Dodecane	1	----	1	1	----	----	----	----	----	----	----
29	4341	Ethane, 1,1-diphenyl-	1	1	3	1	----	1	----	----	----	----	----
30	25001–X	Eugenol terpenes (a complex mixture of terpenes having the general formula $C_{10}H_{16}$)	3	1	1	1	----	----	----	----	----	----	----
31	9074	Fluorene	1	----	3	1	----	----	----	----	----	----	----
32	31753	4(or 5)-Hexadecene	1	1	2	1	1	----	----	----	----	----	----
33	30528	1,5-Hexadiene, 2,5-dimethyl-	1	1	1	1	1	----	----	----	----	----	----
34	24253	Hexane	1	----	----	----	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HYDROCARBONS—Continued											
35	15370	Indene	1		1	1							
36	739	Limonene	1	1	3	1			2	1	1		
37	24486	*p*-Menthane	1		1	1							
38	23973	Mesitylene	1		1	1							
39	748	Methane, diphenyl-	1		1	1		1	1	2			
40	2337	Methane, triphenyl-	1		1	1							
41	738	Myrcene	1		1	2							
42	278	Naphthalene	1		3	1				2			
43	1256	Naphthalene, decahydro-	1		1	1		1	1	2	1		
44	24403	Naphthalene, x,x-dimethyl-			1	1							
45	1876	Naphthalene, 2,6-dimethyl-			2	1							
46	15378	Naphthalene, 1-methyl-	1		3	1				1	1		
47	17554	Naphthalene, 2-methyl-	1		3	1							
48	1257	Naphthalene, 1,2,3,4-tetrahydro-	1		1	1							
49	24483	Nopinene	1		1	1							
50	23976	Pentane, 2,2,4-trimethyl-	1		2	1							
51	30049	1-Pentene, 2,4,4-trimethyl-	1	1	1	1						1	1
52	16047	2-Pentene, 2,4,4-trimethyl-	1	1	1	1							
53	18142	*alpha*-Phellandrene	1		1	2				2	2		
54	18142-a	*d-alpha*-Phellandrene	3		1								
55	18143	*beta*-Phellandrene	1		1								
56	18143-a	*d-beta*-Phellandrene	3		1								
57	790	Phenanthrene	1		1	1							
58	7582	*d*-Pinene	1		1	1			2				
59	24594	*alpha*-Pinene	1		1	1							
60	21617	Propane, 2,2-dimethyl-1,1-di-*p*-tolyl-	1		1	1		1				1	1
61	23977	Pyrene	1		1	1							
62	24374	Styrene	1	1									
63	18133	Styrene, *alpha*-methyl-					1						
64	860	*m*-Terphenyl			1	1							
65	1402	*o*-Terphenyl			1	1							
66	847	*p*-Terphenyl			1	1							
67	24378	Terpinolene	1	1	1	1							
68	23974	Toluene, *m-tert*-butyl-	1		3	1				1	2		
69	21126	Undecane	1		1	1		1					
70	2209	Xylene	1										
		GROUP 2.—ACIDS AND ACID ANHYDRIDES											
71	2394	Acetic acid	2			1				1			
72	16492	Acetic acid, *p-tert*-butylphenoxy-	1										
73	23354	Acetic acid, (3,4-dimethoxyphenyl)-	1	1	1	1							
74	24145	Acetic acid, ethoxy-	2	2				1					
75	24146	Acetic acid, *p*-ethoxyphenoxy-	2										
76	24147	Acetic acid, (ethylenedioxy)di-	2	2									
77	24152	Acetic acid, methoxy-	1										
78	8920	Acetic acid, phenyl-	1	1	1	1	1						
79	14615	Aconitic acid	1	2		1							
80	15717	Acrylic acid	2	2		1							
81	24163	*m*-Anisic acid	1	1									
82	20226	*o*-Anisic acid	1	1				1					
83	20787	*o*-Anisic acid, 3-methyl-					1	1	1	1	1		
84	893	*p*-Anisic acid	1			1	1		1	1	1		
85	6299	Azelaic acid	1	1									
86	3710	Benzoic acid	3	1		1							
87	16490	Benzoic acid, *o*-(carboxymethoxy)-	2	2									
88	6193	Benzoic acid, *o*-ethoxy-	2	2									
89	3110	Benzoic acid, *m*-hydroxy-	1										
90	1003	Benzoic acid, *p*-hydroxy-	1	2									
91	17970	Benzoic acid, *p*-isopropyl-	1		1	1							
92	12067	Benzoic acid, *p*-pentyloxy-				1							
93	21153	Benzoic acid, 3,4,5-trimethoxy-	1	1	1	1		1					
94	15306	Butyric acid	1			1		1	1				
95	4629	Butyric acid, 2-ethyl-	1	2	1								
96	21675	Butyric acid, 3-hydroxy-			1	1		1				1	

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ACIDS AND ACID ANHYDRIDES—Con.											
97	24203	Butyric acid, 3-methoxy-	1	1	----	----	----	----	----	----	----	----	----
98	24202	Butyric acid, 2-methyl-	1	----	----	----	----	----	----	----	----	----	----
99	31627	Butyric acid, 3-piperonyl-	2	1	2	----	----	----	----	----	----	----	----
100	20453	Chrysanthemumic acid, *cis-dl-*	1	----	----	1	----	1	2	2	2	----	----
101	20888	Chrysanthemumic anhydride	1	----	----	1	----	1	----	----	----	----	----
102	891	Cinnamic acid	1	----	----	1	----	----	1	1	1	----	----
103	3747	Cinnamic acid, 3,4-methylenedioxy-	2	----	1	1	----	----	----	----	----	----	----
104	6286	Citric acid	2	1	----	----	----	----	----	----	----	----	----
105	3711	Coumarilic acid	1	1	1	1	1	----	----	----	----	----	----
106	6287	Crotonic acid	2	1	----	1	----	----	----	----	----	----	----
107	1854	Cyclohexanecarboxylic acid	1	1	3	1	----	----	----	----	----	----	----
108	6302	Cyclohexanecarboxylic acid, 1-hydroxy-	----	----	----	----	1	----	----	----	----	----	----
109	21681	Cyclohexanecarboxylic acid, 2-methyl-	----	----	1	2	----	1	----	----	----	----	----
110	14244	Cyclohexanepropionic acid	1	1	1	1	----	----	----	----	----	----	----
111	20221	3-Cyclohexene-1-carboxylic acid, 6-methyl-	----	----	----	1	----	1	----	----	----	----	----
112	22626	4-Cyclohexene-1,2-dicarboxylic anhydride	----	----	----	1	----	----	----	----	----	----	----
113	30542	Cyclopropanecarboxylic acid	2	2	2	----	1	----	----	----	----	----	----
114	4453	Decanoic acid	1	1	----	2	----	----	----	----	----	----	----
115	20117	2,4,8-Decatrienoic acid, 5,9-dimethyl-	1	----	----	----	----	1	----	----	----	----	----
116	24216	Diglycolic acid	2	1	----	----	----	----	----	----	----	----	----
117	14249	Fencholic acid	1	----	----	1	----	----	----	----	----	----	----
118	24237	Formic acid	1	----	----	1	----	1	----	----	----	----	----
119	24236	Fumaric acid	1	2	----	1	----	1	----	----	----	----	----
120	3662	2-Furanacrylic acid	1	1	1	1	----	----	----	----	----	----	----
121	16500	2-Furoic acid	1	1	1	1	----	----	----	----	----	----	----
122	24247	Glutaric acid	1	2	----	1	----	1	----	----	----	----	----
123	15362	Glycolic acid	1	2	----	----	----	----	----	----	----	----	----
124	2073	Heptanoic acid	1	1	1	1	----	----	----	----	----	----	----
125	7701	Hexanoic acid	1	----	----	1	----	----	1	----	----	----	----
126	24616	Hexanoic acid, 3-methoxy-	1	----	----	1	----	----	----	----	----	----	----
127	21981	Hydracrylic acid, 3-(*p*-methoxyphenyl)-2-phenyl-	1	1	1	1	----	1	----	----	----	1	1
128	24260	Isobutyric acid	1	----	----	1	----	----	1	----	----	----	----
129	24620	Isodextropimaric acid	1	----	----	1	----	----	----	----	----	----	----
130	24132	Isovaleric acid	1	----	1	1	----	1	1	----	----	----	----
131	16901	Itaconic acid	1	1	----	----	----	----	----	----	----	----	----
132	3130	Lactic acid	1	----	----	1	----	1	----	----	----	----	----
133	112	Lauric acid	2	1	----	1	----	----	----	----	----	----	----
134	3377	Levulinic acid	1	2	----	1	----	1	----	----	----	----	----
135	11010-a	Linoleic acid (natural) (*cis*)	2	2	2	1	----	----	----	----	----	----	----
136	11010-b	Linoleic acid (*trans*)	1	1	2	1	----	----	----	----	----	----	----
137	23986-a	Linolenic acid (natural) (*cis*)	2	2	2	----	1	----	----	----	----	----	----
138	23986-b	Linolenic acid (*trans*)	1	2	2	----	----	----	----	----	----	----	----
139	1002	Maleic acid	1	2	----	1	----	1	----	----	----	----	----
140	24283	Maleic anhydride	1	2	----	----	----	----	----	----	----	----	----
141	6292	Malic acid	1	1	----	1	----	1	----	----	----	----	----
142	15724	Methacrylic acid	1	1	2	1	----	----	----	----	----	----	----
143	6294	Mucic acid	----	----	----	----	1	----	----	----	----	----	----
144	15381	Myristic acid	1	1	1	----	----	----	----	----	----	----	----
145	16902	1-Naphthoic acid	1	2	----	1	----	----	----	----	----	----	----
146	4164	Nonanoic acid	1	1	1	1	----	----	----	----	----	----	----
147	30047	Nonanoic acid, 4-methyl-	1	1	1	1	----	----	----	----	----	----	----
148	21330	Nopinic acid	1	----	1	----	----	----	----	----	----	----	----
149	19730	Octadecanoic acid, 12-hydroxy-	1	1	1	1	1	----	----	----	----	----	----
150	4162	Octanoic acid	1	----	----	1	----	----	----	----	----	----	----
151	24619	Octanoic acid, 3-methoxy-5,7,7-trimethyl-	1	----	----	1	----	----	----	----	----	----	----
152	1291	Oleic acid	3	1	1	2	----	----	1	----	----	----	----
153	1594	Palmitic acid	----	----	----	----	1	----	----	----	----	----	----
154	2409	Phthalic acid	1	1	----	----	----	----	----	----	----	----	----
155	4165	Pivalic acid	1	----	----	----	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ACIDS AND ACID ANHYDRIDES—Con.											
156	4167	Propionic acid	2	1		1		1					
157	24366	*beta*-Resorcylic acid	1	2									
158	2407	Salicylic acid	1	2		1							
159	24368	Salicylic acid, 4-ethoxy-	1	1									
160	17391	Salicylic acid, 3-phenyl-					1						
161	23985	Senecioic acid	1			1							
162	14851	Sorbic acid	1		1	1							
163	909	Stearic acid	1	1	1	2		1					
164	6297	Succinic acid	1	1		2		1					
165	24376	Syringic acid	1	1	1								
166	979	Tannic acid	2	2									
167	6298	D-Tartaric acid	1	1				1					
168	16108	Terephthalic acid	1	1	1	1							
169	15626	*m*-Toluic acid	1	1		1							
170	15625	*o*-Toluic acid	1	1	1								
171	15627	*p*-Toluic acid	1	2									
172	2280	Undecanoic acid	1	1				1					
173	2065	Undecenoic acid (isomer not known)	1	1				1					
174	8657	Valeric acid	1			1		1					
175	4161	Valeric acid, 4-methyl-	1	1	2	1		1	1				
176	19542	Vanillic acid	2	1		1		1					
		GROUP 3.—ALDEHYDES AND ACETALS											
177	24135	Acetal	2										
178	31167	Acetaldehyde						1					
179	24738	Acetaldehyde, allyl 2-ethylhexyl acetal					1			2	1		
180	24136	Acetaldehyde, bis(2,3-dihydroxypropyl) acetal	1	1									
181	31264	Acetaldehyde, 2-(2-(butoxyethoxy)-ethoxyethyl *alpha*-ethylpiperonyl acetal	1	1	1	1						1	1
182	30277	Acetaldehyde, 2-(2-butoxyethoxy)ethyl butyl acetal	1	1	1	1	1						
183	30276	Acetaldehyde, 2-(2-butoxyethoxy)ethyl 2-(2-ethoxyethoxy)ethyl acetal	1	1	1	1	1						
184	30278	Acetaldehyde, 2-(2-butoxyethoxy)ethyl isobutyl acetal	1	1	1	1	1						
185	24741	Acetaldehyde, butyl 1,3-dimethylbutyl acetal					1				1		
186	31263	Acetaldehyde, butyl *alpha*-ethylpiperonyl acetal	2	2	2							1	1
187	24142	Acetaldehyde, butyl eugenyl acetal	2	2			1						
188	30280	Acetaldehyde, butyl heptyl acetal	1	1	1	1	1						
189	30286	Acetaldehyde, butyl *p*-methoxybenzyl acetal	1	1	1	1	1						
190	30274	Acetaldehyde, butyl 3-methoxybutyl acetal	1	2	1	1							
191	25067	Acetaldehyde, butyl 2-methyl-3-butyn-2-yl acetal	1		1	1	1				1		
192	30283	Acetaldehyde, butyl 1-methylheptyl acetal	1	1	1	1	1						
193	30290	Acetaldehyde, butyl 2-methyl-3-(3,4-methylenedioxyphenyl)propyl acetal					1						
194	24730	Acetaldehyde, butyl phenyl acetal			1		1			1	1		
195	24733	Acetaldehyde, butyl tetrahydrofuryl acetal			1		1				1		
196	24731	Acetaldehyde, cyclohexyl 2-methoxy-ethyl acetal			1		1			1	1		
197	22404	Acetaldehyde, dibutyl acetal				1	1		1		1		
198	24137	Acetaldehyde, dimethyl acetal	1	2				1					
199	31265	Acetaldehyde, 2-[2-(2-ethoxyethoxy)-ethoxy]ethyl *alpha*-ethylpiperonyl acetal	1	2	1	1						1	1
200	30279	Acetaldehyde, 2-(2-ethoxyethoxy)ethyl heptyl acetal	1	1	1	1	1						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ALDEHYDES AND ACETALS—Continued											
201	30285	Acetaldehyde, 2-(2-ethoxyethoxy)ethyl *p*-methoxybenzyl acetal	1	1	1	1	1	----	----	----	----	----	----
202	30273	Acetaldehyde, 2-(2-ethoxyethoxy)ethyl 3-methoxybutyl acetal	1	1	1	1	1	----	----	----	----	----	----
203	30100	Acetaldehyde, 2-(2-ethoxyethoxy)ethyl 3-(3,4-methylenedioxyphenyl)propyl acetal	----	----	----	----	1	----	----	----	----	----	----
204	30282	Acetaldehyde, 2-(2-ethoxyethoxy)ethyl 1-methylheptyl acetal	1	1	1	----	1	----	----	----	----	----	----
205	31664	Acetaldehyde, 2-(2-ethoxyethoxy)ethyl 1-piperonylethyl acetal	1	1	1	1	----	----	----	----	----	----	----
206	24739	Acetaldehyde, ethyl 1,3-dimethylbutyl acetal	----	----	----	----	1	----	----	----	----	----	----
207	24736	Acetaldehyde, ethyl geranyl acetal	----	----	1	----	1	----	----	----	1	----	----
208	24732	Acetaldehyde, 2-ethylhexyl methyl acetal	----	----	2	----	1	----	----	2	1	----	----
209	24740	Acetaldehyde, ethyl *p*-methoxyphenyl acetal	----	----	----	----	1	----	----	----	1	----	----
210	24734	Acetaldehyde, ethyl 1-methylheptyl acetal	----	----	----	1	1	----	----	----	1	----	----
211	21892	Acetaldehyde, ethyl phenyl acetal	1	----	3	1	----	1	----	----	----	1	1
212	24143	Acetaldehyde, eugenyl isopropyl acetal	2	1	----	1	1	----	----	----	----	----	----
213	30281	Acetaldehyde, isobutyl heptyl acetal	1	1	1	1	1	----	----	----	----	----	----
214	30287	Acetaldehyde, isobutyl *p*-methoxybenzyl acetal	1	1	1	1	1	----	----	----	----	----	----
215	30275	Acetaldehyde, isobutyl 3-methoxybutyl acetal	1	1	1	1	----	----	----	----	----	----	----
216	30288	Acetaldehyde, isobutyl *m*-methylbenzyl acetal	1	1	1	----	1	----	----	----	----	----	----
217	30284	Acetaldehyde, isobutyl 1-methylheptyl acetal	1	1	1	1	1	----	----	----	----	----	----
218	21908	Acetaldehyde, isobutyl phenyl acetal	2	----	3	1	----	1	----	----	----	1	1
219	30289	Acetaldehyde, isobutyl 6-propylpiperonyl acetal	----	----	----	----	1	----	----	----	----	----	----
220	30006	Acetaldehyde, isobutyl *p*-tolyl acetal	1	2	3	1	----	----	----	----	----	1	1
221	24737	Acetaldehyde, isopropyl phenethyl acetal	----	----	----	1	1	----	----	----	1	----	----
222	24735	Acetaldehyde, tetrahydrofurfuryl 2-methoxyethyl acetal	----	----	----	1	----	----	----	----	----	----	----
223	2175	Acetaldehyde, phenyl-	1	1	1	1	----	----	----	----	----	----	----
224	30257	Acetaldehyde, phenyl-, diethyl acetal	1	1	1	1	1	----	----	----	----	1	1
225	2444	Acetaldehyde, phenyl-, dimethyl acetal	1	1	3	1	----	----	----	----	----	----	----
226	24784-X	Acetaldehyde, *p*-tolyloxy- (50-percent in alcohol)	1	----	1	----	----	----	----	----	----	----	----
227	24160	Acrolein	1	2	----	----	----	----	----	----	----	----	----
228	24768	Acrolein, 3-(3-cyclohexen-1-yl)-2-methyl-	1	----	1	----	1	----	----	1	2	----	----
229	24350	Acrolein, 3-methoxy-, dimethyl acetal	1	1	----	----	----	----	----	----	----	----	----
230	24759	Acrolein, 2-methyl-3-(5-norbornen-2-yl)-	1	----	1	----	----	----	----	----	1	----	----
231	25253-X	Adipaldehyde, 2-hydroxy- (25-percent solution)	1	1	1	1	----	----	----	1	----	----	----
232	18874	Aldol	2	1	----	----	----	----	----	----	----	----	----
233	21324	*m*-Anisaldehyde, 2-(allyloxy)-	1	----	2	1	----	1	----	----	----	----	----
234	21261	*m*-Anisaldehyde, 4-(allyloxy)-	3	----	1	1	----	1	----	----	----	----	----
235	21325	*m*-Anisaldehyde, 2-butoxy-	2	----	1	1	----	----	----	2	1	1	1
236	21262	*m*-Anisaldehyde, 4-butoxy-	3	----	----	1	----	----	----	----	----	----	----
237	21326	*m*-Anisaldehyde, 2-ethoxy-	2	----	2	1	----	1	----	----	----	----	----
238	21263	*m*-Anisaldehyde, 4-ethoxy-	3	1	2	1	----	1	----	----	----	----	----
239	21264	*m*-Anisaldehyde, 4-isopentyloxy-	3	----	----	----	----	----	----	----	----	1	1
240	21327	*m*-Anisaldehyde, 2-isopropoxy-	2	----	2	----	----	----	----	----	----	----	----
241	21265	*m*-Anisaldehyde, 4-pentyloxy-	3	----	----	1	----	1	----	----	----	----	----
242	21328	*m*-Anisaldehyde, 2-propoxy-	2	----	2	1	----	----	----	2	1	----	----
243	21266	*m*-Anisaldehyde, 4-propoxy-	2	----	----	1	----	1	----	1	1	----	----
244	21329	*m*-Anisaldehyde, 2-(2-propynyloxy)-	1	----	1	1	----	1	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ALDEHYDES AND ACETALS—Continued											
245	21267	*m*-Anisaldehyde, 4-(2-propynyloxy)-	2			1		1					
246	1375	*o*-Anisaldehyde	1	1	1	1							
247	30295	*o*-Anisaldehyde, diethyl acetal	1	1	1	1	1						
248	21227	*o*-Anisaldehyde, 3-ethoxy-			2	2		1					
249	223	*p*-Anisaldehyde	1			1		1	1	2	1		
250	6443	*p*-Anisaldehyde, diethyl acetal	1	1	1	1							
251	18439	*d*-Arabinose,	1	2									
252	9931	Benzaldehyde	1	1	1	1		1	1				
253	5767	Benzaldehyde, *o*-(allyloxy)-	1	1	1	1							
254	30296	Benzaldehyde, *o*-(allyloxy)-, diethyl acetal	2	2	1	1	1						
255	21006	Benzaldehyde, 2-(allyloxy)-3-ethoxy-	3		2	1	1	1	2	1	1		
256	21231	Benzaldehyde, 2-butoxy-3-ethoxy-			2	1				1	1		
257	21228	Benzaldehyde, 2,3-diethoxy-			2	1							
258	21268	Benzaldehyde, 2,4-diethoxy-	1			1		1					
259	2069	Benzaldehyde, 3,4-diethoxy-	2	2									
260	21269	Benzaldehyde, 2,4-dimethoxy-	1			1		1					
261	1358	Benzaldehyde, *o*-ethoxy-	1										
262	21270	Benzaldehyde, 2-(or 4)ethoxy-4-(or 2)-hydroxy-	1		1	1		1					
263	786	Benzaldehyde, 3-ethoxy-4-hydroxy-	3	2									
264	21232	Benzaldehyde, 3-ethoxy-2-isobutoxy-			2	1		1					
265	21234	Benzaldehyde, 3-ethoxy-2-isopentyloxy-			2	1							
266	21233	Benzaldehyde, 3-ethoxy-2-pentyloxy-			2	1		1					
267	21229	Benzaldehyde, 3-ethoxy-2-propoxy-			2	1							
268	21230	Benzaldehyde, 3-ethoxy-2-(2-propynyloxy)-			1	1							
269	12120	Benzaldehyde, *m*-hydroxy-	1	1									
270	15366	Benzaldehyde, *p*-hydroxy-	1	1	1	1							
271	1853	Benzaldehyde, *p*-isopropyl-	1	1	3	1							
272	30256	Benzaldehyde, *p*-isopropyl-, diethyl acetal	1	1	1	1	1					1	1
273	5765	Benzaldehyde, *o*-(2-methylallyloxy)-	1	1	1	1							
274	30338	Benzaldehyde, *o*-(2-methylallyloxy)-, diethyl acetal	1	1	1	1	1						
275	24198	Butyraldehyde	1					1					
276	25052-X	Butyraldehyde, 3-(2-methoxyethoxy)-2-oxo-, hydrate (55-percent aqueous solution)	1	1	1	1							
277	25051-X	Butyraldehyde, 3-methoxy-2-oxo-, hydrate (57-percent aqueous solution)	1	1	1	1							
278	473	Cinnamaldehyde	1	1	1	1		1	1	1	1		
279	6442	Cinnamaldehyde, diethyl acetal	1	1	1	1	1						
280	5096	Cinnamaldehyde, *alpha*-hexyl-	1	1	1	2		1					
281	658	Cinnamaldehyde, *alpha*-pentyl-	1	1	1	1							
282	24760	Cinnamaldehyde, *alpha*-propyl-	2		1		1				1		
283	1011	Citral	3		1	1		1	2	1	1		
284	25078	Citral, diethyl acetal	1		1	1	1				1		
285	203	Citronellal	1			1	1		2	1	1		
286	18303	Crotonaldehyde	1	1									
287	24743	Cyclohexanecarboxaldehyde, 4-(and 3)-isohexyl-1-methyl-			1	1	1				1		
288	21661	3-Cyclohexene-1-carboxaldehyde			1	1		1		1	2	1	1
289	30272	3-Cyclohexene-1-carboxaldehyde, diethyl acetal	1	1		1	1						
290	30297	3-Cyclohexene-1-carboxaldehyde, 1-methyl-, diethyl acetal	1	2	1	1	1						
291	21662	3-Cyclohexene-1-carboxaldehyde, 6-methyl-			1	1		1				1	1
292	24742	3-Cyclohexene-1-carboxaldehyde, 1-methyl-4-(and 3)-(4-methyl-3-pentenyl)- (a mixture of isomers)			1	1	1				1		

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ALDEHYDES AND ACETALS—Continued											
293	24746	3-Cyclohexene-1-carboxaldehyde, 1,4,5-trimethyl-2-(2-methyl-1-propenyl)- and 3-cyclohexene-1-carboxaldehyde, 1,2,3-trimethyl-5-(2-methyl-1-propenyl)-			2	1	1				1		
294	4860	Decanal	2	2	2	2							
295	9328	Dextrose	1	1				1					
296	2459	Dodecanal	1	1	1	1							
297	24217	Eicosanal	2										
298	25046	2-Furanglyoxylaldehyde, hydrate	1	1	1	1							
299	9083	Galactose	1	1									
300	25252	Glutaraldehyde (25-percent solution)	1	1	2	1							
301	24475	Glyceraldehyde		1									
302	24108	Glyoxal	1			1							
303	25047	Glyoxal, (4-hydroxy-3-methoxyphenyl)-, hydrate	2	1	1	1							
304	25049	Glyoxal, (*m*-methoxyphenyl)-, hemihydrate				1							
305	25045	Glyoxal, (*p*-methoxyphenyl)-, hydrate	1	1	1	1							
306	24250	Heptadecanal	3										
307	2066	Heptanal	1	1	1	1		1	1				
308	25064	Heptanal, diethyl acetal	1	1	1	1							
309	24252	Hexadecanal	2										
310	15364	Hexanal	1										
311	24617	Hexanal, 3-methoxy-, dimethyl acetal	1			1							
312	24745	1,6-Hexanedial, 2,5-dimethyl-			1	1					2		
313	24649	2-Hexenal	1			1	1			1	1		
314	2934	Hydratropaldehyde	1	1	1	1							
315	1377	Hydrocinnamaldehyde	1	1	1	1							
316	3941	Hydrocinnamaldehyde, *p*-isopropyl-*alpha*-methyl-	2										
317	15311	Isobutyraldehyde	2	1				1					
318	16106	Isovaleraldehyde	2			1							
319	24290	Myristicaldehyde	1										
320	4859	Nonanal	1	1	2	1							
321	3961	Octanal	1			1		1					
322	5823	Octanal, 7-hydroxy-3,7-dimethyl-	1	1	1	1			1				
323	5824	Octanal, 7-hydroxy-3,7-dimethyl-, dimethyl acetal	1										
324	24690	4-Pentenal			1	1							
325	147	Piperonal	1	1						1	1		
326	19955	Piperonal, diethyl acetal	1	2	1	1		1					
327	16114	Propionaldehyde	1										
328	24118	Pyruvaldehyde (46-percent aqueous solution)	2			1							
329	20371	Pyruvaldehyde, diisopropyl acetal	1			1							
330	25053	Pyruvaldehyde, 3-ethoxy-, hydrate (40-percent aqueous solution)	1	1	1	1							
331	24367	*beta*-Resorcylaldehyde	1	1	1	2							
332	2174	Salicylaldehyde	1						1				
333	31400	Salicylaldehyde, 3-(2-methylallyl)-	2	1	1	1							
334	31142	Sorbaldehyde	1	1	1	1	1						
335	24379	Tiglaldehyde	1	1									
336	2278	*m*-Tolualdehyde	1	1	1	1		1					
337	21918	*o*-Tolualdehyde	1		1	1		1				1	1
338	20554	*o*-Tolualdehyde, diethyl acetal	1	1	1	1		1					
339	24380	*p*-Tolualdehyde	1										
340	5098	Undecanal	1	1	1	1							
341	3960	Undecanal, 2-methyl-	2										
342	3940	10-Undecenal	1	1	1	1							
343	30050	Valeraldehyde, 4-methyl-	2	1	1	1	1						
344	93	Vanillin	2		1	1							
345	11276	*o*-Vanillin	2	1						1	1		

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ALDEHYDES AND ACETALS—Continued											
346	8099	Veratraldehyde	3	2	2	1	----	1	----	----	----	--------	--------
347	30255	Veratraldehyde, diethyl acetal	2	1	1	1	1	----	----	----	----	--------	--------
348	141	*o*-Veratraldehyde	1	1	1	1	----	----	----	----	----	--------	--------
349	24159	Vetiveral	2	1	----	----	----	----	----	----	----	--------	--------
		GROUP 4.—ESTERS AND LACTONES											
350	22625	Acetic acid, allyl ester	1	2	----	----	----	----	----	----	----	--------	--------
351	1996	Acetic acid, benzyl ester	1	1	3	1	1	1	----	----	----	--------	--------
352	665	Acetic acid, bornyl ester	2	----	2	----	----	----	----	----	----	--------	--------
353	406	Acetic acid, butyl ester	1	----	----	----	----	----	----	----	----	--------	--------
354	1265	Acetic acid, cinnamyl ester	1	----	----	----	----	----	----	----	----	--------	--------
355	3294	Acetic acid, cyclohexyl ester	1	1	3	1	1	1	----	----	----	--------	--------
356	11098	Acetic acid, decyl ester	1	----	2	----	----	----	----	----	----	--------	--------
357	11595	Acetic acid, dodecyl ester	1	----	1	----	----	----	----	----	----	--------	--------
358	2072	Acetic acid, heptyl ester	----	----	2	1	----	1	1	2	1	--------	--------
359	2940	Acetic acid, isobornyl ester	1	----	2	----	----	----	----	----	----	--------	--------
360	15305	Acetic acid, isobutyl ester	----	----	1	----	----	----	----	----	----	--------	--------
361	30725	Acetic acid, isooctyl ester	3	1	3	----	----	----	----	----	----	--------	--------
362	576	Acetic acid, isopentyl ester	1	----	----	----	----	1	----	----	----	--------	--------
363	17634	Acetic acid, isopropenyl ester	----	1	----	----	----	----	----	----	----	--------	--------
364	4097	Acetic acid, *p*-methoxybenzyl ester	1	----	1	----	----	----	----	----	----	--------	--------
365	21921	Acetic acid, 3-methoxybutyl ester	2	----	1	1	1	1	----	----	----	1	1
366	15377	Acetic acid, methyl ester	2	1	----	----	----	----	1	----	----	--------	--------
367	11583	Acetic acid, nonyl ester	1	----	1	----	----	----	----	----	----	--------	--------
368	11269	Acetic acid, octyl ester	2	2	2	1	1	----	----	----	----	--------	--------
369	2729	Acetic acid, pentyl ester	1	----	----	----	----	1	----	----	----	--------	--------
370	3878	Acetic acid, phenethyl ester	1	----	----	----	----	1	----	----	----	--------	--------
371	24156	Acetic acid, propyl ester	1	3	1	----	----	----	----	----	----	--------	--------
372	4169	Acetic acid, *m*-tolyl ester	----	----	----	----	1	----	----	----	----	--------	--------
373	4168	Acetic acid, *o*-tolyl ester	----	----	----	----	1	----	----	----	----	--------	--------
374	1266	Acetic acid, *p*-tolyl ester	1	2	1	1	----	1	----	----	----	--------	--------
375	3928	Acetic acid, 10-undecenyl ester	----	----	1	----	----	----	----	----	----	--------	--------
376	24138	Acetic acid, undecyl ester	1	----	----	----	1	----	----	----	----	--------	--------
377	18437	Acetic acid, vinyl ester	1	2	----	----	----	----	----	----	----	--------	--------
378	21696	Acetic acid, (*p-tert*-butylphenoxy)-, allyl ester	1	----	1	1	1	1	----	1	2	1	1
379	21462	Acetic acid, (*p-tert*-butylphenoxy)-, butyl ester	1	----	----	----	----	1	----	----	----	1	1
380	21695	Acetic acid, (*p-tert*-butylphenoxy)-, isobutyl ester	1	----	1	1	1	1	----	2	2	1	1
381	21698	Acetic acid, (*p-tert*-butylphenoxy)-, isopentyl ester	1	----	1	1	1	----	----	1	1	1	1
382	21694	Acetic acid, (*p-tert*-butylphenoxy)-, isopropyl ester	1	----	1	1	1	----	----	2	2	1	1
383	21700	Acetic acid, (*p-tert*-butylphenoxy)-, 2-methoxyethyl ester	1	----	1	1	1	1	----	2	2	1	1
384	4801	Acetic acid, (*p-tert*-butylphenoxy)-, methyl ester	1	----	1	1	1	----	----	2	1	--------	--------
385	21697	Acetic acid, (*p-tert*-butylphenoxy)-, pentyl ester	1	----	1	1	1	1	----	1	2	1	1
386	21461	Acetic acid, (*p-tert*-butylphenoxy)-, propyl ester	1	----	----	1	1	1	----	1	1	1	1
387	21465	Acetic acid, (*p-tert*-butylphenoxy)-, 2-propynyl ester	1	1	1	1	1	1	----	----	----	--------	--------
388	10593	Acetic acid, (*p*-methoxyphenoxy)-, ethyl ester	1	1	1	1	----	----	1	2	2	--------	--------
389	31105	Acetic acid, (*p*-methoxyphenyl)-, benzyl ester	1	1	1	1	----	----	----	----	----	--------	--------
390	31101	Acetic acid, (*p*-methoxyphenyl)-, butyl ester	1	1	1	1	----	----	----	----	----	--------	--------
391	31111	Acetic acid, (*p*-methoxyphenyl)-, cyclohexyl ester	2	2	2	1	----	----	----	----	----	--------	--------
392	31085	Acetic acid, (*p*-methoxyphenyl)-, ethyl ester	1	2	1	1	1	----	----	----	----	--------	--------

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
393	31103	Acetic acid, (*p*-methoxyphenyl)-, isobutyl ester	1	2	1	1	----	----	----	----	----	--------	--------
394	31079	Acetic acid (*p*-methoxyphenyl)-, isopropyl ester	1	2	1	1	1	----	----	----	----	--------	--------
395	31078	Acetic acid, (*p*-methoxyphenyl)-, propyl ester	2	2	1	1	1	----	----	----	----	--------	--------
396	30388	Acetic acid, (3,4-methylenedioxyphenyl)-, methyl ester	1	----	1	----	----	----	----	----	----	--------	--------
397	22347	Acetic acid, phenoxy-, allyl ester	----	----	----	1	1	1	2	----	2	--------	--------
398	22346	Acetic acid, phenoxy-, cyclohexyl ester	1	1	1	1	1	----	----	----	----	--------	--------
399	22726	Acetic acid, phenoxy-, cyclopentyl ester	----	----	----	1	1	----	----	----	----	--------	--------
400	30918	Acetic acid, phenoxy-, 2,2-dimethylpentyl ester	1	1	1	1	1	----	----	----	----	--------	--------
401	31127	Acetic acid, phenoxy-, heptyl ester	1	1	1	2	----	----	----	----	----	1	1
402	14741	Acetic acid, phenoxy-, hexyl ester	1	1	1	----	1	----	----	----	----	--------	--------
403	22345	Acetic acid, phenoxy-, isobutyl ester	1	1	1	1	1	1	----	----	----	--------	--------
404	21969	Acetic acid, phenoxy-, 3-methoxybutyl ester	1	1	1	1	1	1	----	----	----	1	1
405	22363	Acetic acid, phenoxy-, 2-methoxy-1-methylethyl ester	1	1	1	2	1	1	----	----	----	--------	--------
406	22348	Acetic acid, phenoxy-, phenethyl ester	----	----	----	----	1	----	----	----	----	--------	--------
407	22352	Acetic acid, phenoxy-, 2-phenoxyethyl ester	1	1	1	1	1	1	----	----	----	--------	--------
408	22342	Acetic acid, phenoxy-, propyl ester	----	----	----	1	1	----	----	----	----	--------	--------
409	31353	Acetic acid, phenoxy-, 2-propylheptyl ester	2	1	1	1	----	----	----	----	----	1	1
410	22341	Acetic acid, phenoxy-, 2-propynyl ester	1	1	1	1	1	1	----	----	----	--------	--------
411	21188	Acetic acid, phenoxy-, tetrahydropyran-2-ylmethyl ester	1	----	----	1	1	1	----	----	----	--------	--------
412	22225	Acetic acid, phenyl-, allyl ester	----	----	----	1	1	1	1	----	2	--------	--------
413	30252	Acetic acid, phenyl-, *o*-allyloxybenzyl ester	----	----	----	----	1	----	----	----	----	--------	--------
414	20136	Acetic acid, phenyl-, *alpha*-allylpiperonyl ester	2	----	1	1	1	1	----	----	----	--------	--------
415	2943	Acetic acid, phenyl-, benzyl ester	1	1	1	1	1	----	----	----	----	--------	--------
416	30264	Acetic acid, phenyl-, 2-(2-butoxyethoxy)-ethyl ester	1	1	1	1	1	----	----	----	----	--------	--------
417	30458	Acetic acid, phenyl-, 2-butoxyethyl ester	1	----	2	1	1	----	----	----	----	1	1
418	2942	Acetic acid, phenyl-, butyl ester	1	1	2	1	----	----	----	----	----	--------	--------
419	30322	Acetic acid, phenyl-, *sec*-butyl ester	2	2	1	1	1	----	----	----	----	--------	--------
420	20102	Acetic acid, phenyl-, 4-butyloctyl ester	1	----	----	1	1	----	----	----	----	--------	--------
421	30327	Acetic acid, phenyl-, 2-(*o-sec*-butylphenoxy)-1-methylethyl ester	1	1	1	1	1	----	----	----	----	--------	--------
422	30329	Acetic acid, phenyl-, 2-(*p-sec*-butylphenoxy)-1-methylethyl ester	1	1	1	----	1	----	----	----	----	--------	--------
423	30351	Acetic acid, phenyl-, 2-(*p-tert*-butylphenoxy)-1-methylethyl ester	----	----	----	----	1	----	----	----	----	--------	--------
424	20516	Acetic acid, phenyl-, *alpha-tert*-butylpiperonyl ester	----	----	----	1	1	1	----	----	----	--------	--------
425	11578	Acetic acid, phenyl-, cyclohexyl ester	3	----	----	----	1	----	----	----	----	--------	--------
426	22722	Acetic acid, phenyl-, cyclopentyl ester	2	2	2	1	1	----	----	----	----	--------	--------
427	30391	Acetic acid, phenyl-, 2,4-dimethylbenzyl ester	1	----	1	----	1	----	----	----	----	--------	--------
428	30251	Acetic acid, phenyl-, 3,4-dimethylbenzyl ester	1	1	1	1	1	----	----	----	----	--------	--------
429	20101	Acetic acid, phenyl-, 1,3-dimethylbutyl ester	2	----	----	1	1	1	----	----	----	--------	--------
430	30916	Acetic acid, phenyl-, 2,3-dimethylpentyl ester	1	1	2	1	1	----	----	----	----	--------	--------
431	24155	Acetic acid, phenyl-, ester with santalol	1	1	1	----	----	----	----	----	----	--------	--------
432	21338	Acetic acid, phenyl-, *p*-ethoxybenzyl ester	1	1	1	1	1	1	----	----	----	--------	--------
433	30263	Acetic acid, phenyl-, 2-ethoxyethyl ester	1	1	1	1	1	----	----	----	----	--------	--------

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
434	30294	Acetic acid, phenyl-, 2-(*p*-ethoxyphenyl)-ethyl ester	1	1	1	1	1						
435	654	Acetic acid, phenyl-, ethyl ester	1			1	1			1			
436	20103	Acetic acid, phenyl-, 2-ethylhexyl ester	1				1	1					
437	20092	Acetic acid, phenyl-, 1-ethylpentyl ester	1	1	1	1	1	1					
438	30326	Acetic acid, phenyl-, 1-ethylpropyl ester	1	1	1	1	1						
439	24148	Acetic acid, phenyl-, geranyl ester	1										
440	19339	Acetic acid, phenyl-, heptyl ester	1		2	2	1						
441	22219	Acetic acid, phenyl-, hexyl ester	2	1	2	1	1						
442	1969	Acetic acid, phenyl-, isobutyl ester	1				1						
443	20100	Acetic acid phenyl-, 1-isobutyl-3-methyl-butyl ester	1				1	1					
444	20616	Acetica cid, phenyl-, *alpha*-isopropyl-piperonyl ester					1	1					
445	21968	Acetic acid, phenyl-, 2-methoxybutyl ester	2	1	1	1	1	1				1	1
446	30268	Acetic acid, phenyl-, 2-(2-methoxy-ethoxy)ethyl ester	1	1	1	1	1						
447	22220	Acetic acid, phenyl-, 2-methoxyethyl ester	1	1	1	1	1						
448	22361	Acetic acid, phenyl-, 2-methoxy-1-methylethyl ester	1	1	1	2	1						
449	1971	Acetic acid, phenyl-, methyl ester	1		1	1		1		2	1		
450	30168	Acetic acid, phenyl-, *m*-methylbenzyl ester	1		2	1	1					1	
451	24149	Acetic acid, phenyl-, *p*-methylbenzyl ester	1										
452	30265	Acetic acid, phenyl-, 6-methyl-3-cyclo-hexen-1-ylmethyl ester					1						
453	22221	Acetic acid, phenyl, 4-methylcyclohexyl ester					1						
454	31398	Acetic acid, phenyl-, 3,4-methylenedi-oxyphenyl ester	2	1	1	1							
455	20104	Acetic acid, phenyl-, 2-methylpentyl ester	1			1	1	1					
456	30320	Acetic acid, phenyl-, 1-methyl-2-phen-oxyethyl ester	1	1	1	1	1						
457	20718	Acetic acid, phenyl-, *alpha*-methyl-piperonyl ester				1	1	1					
458	24153	Acetic acid, phenyl-, octyl ester	2	1	1								
459	24154	Acetic acid, phenyl-, pentyl ester	1		1								
460	20106	Acetic acid, phenyl-, phenethyl ester	1	1		1	1	1					
461	20615	Acetic acid, phenyl-, *alpha*-phenethyl-piperonyl ester					1	1					
462	22222	Acetic acid, phenyl-, 2-phenoxyethyl ester	2	2	1	1	1						
463	20105	Acetic acid, phenyl-, 3-phenylpropyl ester	1		1		1	1					
464	20614	Acetic acid, phenyl-, *alpha*-(3-phenyl-propyl)piperonyl ester	1				1	1					
465	20517	Acetic acid, phenyl-, piperonyl ester	1	1	1	2	1	1					
466	22217	Acetic acid, phenyl-, propyl ester	2	2	2	1	1	1					
467	16016	Acetic acid, phenyl-, 6-propylpiperonyl ester				1							
468	22340	Acetic acid, phenyl-, 2-propynyl ester					1						
469	22224	Acetic acid, phenyl-, tetrahydrofurfuryl ester	2	1	2	1	1	1					
470	21183	Acetic acid, phenyl-, tetrahydropyran-2-ylmethyl ester	1			1	1	1					
471	17242	Acetic acid, phenyl-, *m*-tolyl ester	1	2	1	1	1	1					
472	17243	Acetic acid, phenyl-, *p*-tolyl ester	1	1	1	1	1	1					
473	20996	Acetic acid, *p*-tolyl-, *alpha*-allylpiperonyl ester	1			1		1					

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
474	676	Acetin, di-	2	1			1						
475	24158	Acetin, mono-	1	1									
476	661	Acetin, tri-	1										
477	6229	Acetoacetic acid, benzyl ester	2	1	1		1						
478	25081	Acetoacetic acid, 3,7-dimethyl-6-octen-1-yn-3-yl ester	1		1	1	1			1	1		
479	66	Acetoacetic acid, ethyl ester	2	1	2	1	1	1					
480	25068	Acetoacetic acid, 2-methyl-3-buten-2-yl ester	1		1	1	1				1		
481	25066	Acetoacetic acid, 2-methyl-3-butyn-2-yl ester	1	1	1	1	1				1		
482	30045	Acetoacetic acid, 2-*sec*-butyl-, ethyl ester	1	1	1	1	1			1	1	1	1
483	5606	Acetoacetic acid, 2-methyl-, ethyl ester			1	1	1						
484	20471	Acetoacetic acid, 4-phenyl-, ethyl ester	1	1	1	1	1	1					
485	2356	Acetylsalicylic acid, methyl ester	1	1	1	1	1	1					
486	15698	Acrylic acid, allyl ester	2	2									
487	15734	Acrylic acid, ethyl ester	2	2									
488	15715	Acrylic acid, methyl ester	2	2									
489	10548	Acrylic acid, 3-benzoyl-, ethyl ester	1	1	1	1							
490	30082	Acrylic acid, 3-(*o*-methoxyphenyl)-2-phenyl-, methyl ester				1						1	1
491	30080	Acrylic acid, 3-(*p*-methoxyphenyl)-2-phenyl-, methyl ester	1	1	1							1	1
492	21699	Acrylic acid, 3-(3,4-methylenedioxy-phenyl)-2-phenyl-, ethyl ester					1	1				1	1
493	21732	Acrylic acid, 3-(3,4-methylenedioxy-phenyl)-2-phenyl-, methyl ester	1		1								
494	6065	Adipic acid, diallyl ester	1	1	1	1							
495	31147	Alantolactone					1						
496	30957	Ambrettolic acid, lactone	1	1	1	1	1						
497	30253	*m*-Anisic acid, *p*-(2-methylallyl)-, methyl ester					1						
498	20040	*o*-Anisic acid, allyl ester					1	1					
499	15995	*o*-Anisic acid, butyl ester	2				1						
500	30234	*o*-Anisic acid, ethyl ester	2	1	1	1						1	1
501	680	*o*-Anisic acid, methyl ester	3	1		1	1	1	1	2	1		
502	20051	*o*-Anisic acid, phenethyl ester	1			1	1						
503	30644	*p*-Anisic acid, allyl ester	1	1	1	1	1					1	
504	30648	*p*-Anisic acid, benzyl ester	1	1	1	1	1						
505	30645	*p*-Anisic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	1						
506	30610	*p*-Anisic acid, 2-butoxyethyl ester	2	2	1	1	1						
507	30597	*p*-Anisic acid, *sec*-butyl ester	1	1	1	1	1						
508	17151	*p*-Anisic acid, *p*-*tert*-butylphenyl ester					1						
509	17153	*p*-Anisic acid, cyclohexyl ester					1						
510	17154	*p*-Anisic acid, *o*-cyclohexylphenyl ester					1						
511	22724	*p*-Anisic acid, cyclopentyl ester					1						
512	30728	*p*-Anisic acid, decyl ester				1	1						
513	23818	*p*-Anisic acid, diester with resorcinol	1	1	2	1	1						
514	30390	*p*-Anisic acid, 2,4-dimethylbenzyl ester	1	1	1	1	1						
515	30203	*p*-Anisic acid, 3,4-dimethylbenzyl ester	1		1		1						
516	31389	*p*-Anisic acid, 2,2-dimethyl-3-(2-methyl-propenyl)cyclopropylmethyl ester	2	1	1	1	1					1	1
517	30917	*p*-Anisic acid, 2,2-dimethylpentyl ester	1	1	1	1							
518	648	*p*-Anisic acid, ethyl ester	1	1	1	1	1						
519	30643	*p*-Anisic acid, 2-ethylbutyl ester	1		1	1	1						
520	30601	*p*-Anisic acid, 1-ethylpentyl ester	1	1	1	1	1						
521	17152	*p*-Anisic acid, *p*-ethylphenyl ester	1	1	1		1	1					
522	19820	*p*-Anisic acid, 1-ethylpropyl ester					1	1					
523	30609	*p*-Anisic acid, heptyl ester	1	1	1	1	1						
524	19797	*p*-Anisic acid, hexyl ester	1		1			1					
525	21972	*p*-Anisic acid, 3-methoxybutyl ester	2	1	1	1		1				1	1
526	30607	*p*-Anisic acid, 2-methoxyethyl ester	1	1	1	1	1						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
527	229	*p*-Anisic acid, methyl ester	1	1	2	1	1	1					
528	30084	*p*-Anisic acid, *m*-methylbenzyl ester	1	1	1	1	1			1	1	1	1
529	19813	*p*-Anisic acid, 2-methylpentyl ester	1		1		1	1					
530	30596	*p*-Anisic acid, nonyl ester	1	2	1	1	1						
531	30650	*p*-Anisic acid, octyl ester	2	2	1	1	1						
532	17155	*p*-Anisic acid, phenethyl ester					1						
533	17075	*p*-Anisic acid, phenyl ester					1						
534	31013	*p*-Anisic acid, piperonyl ester					1						
535	6075	*p*-Anisic acid, propyl ester			1		1						
536	31358	*p*-Anisic acid, 2-propylheptyl ester	1	1	1	1						1	1
537	30660	*p*-Anisic acid, 2-propynyl ester	1	1	1	1	1						
538	17150	*p*-Anisic acid, *m*-tolyl ester					1						
539	30035	*p*-Anisic acid, 3-allyl-, methyl ester	2	1	1	1							
540	30231	*p*-Anisic acid, 3-(2-methylallyl)-, methyl ester					1						
541	20576	Anisyl alcohol, *alpha*-propyl-, formate					1			2	2		
542	17879	1,2,4-Benzenetriol, triacetate	2	2									
543	20247	Benzhydrol, 3,4-methylenedioxy-, acetate					1	1					
544	20518	Benzhydrol, 4-methoxy-, acetate	2	1	2	1	1	1					
545	7823	Benzoic acid, allyl ester	1	1	3		1						
546	523	Benzoic acid, benzyl ester	1	1	1	1	1	1					
547	6067	Benzoic acid, cyclopentyl ester	1				1			2	1		
548	1352	Benzoic acid, ethyl ester	1	1	3	1	1	1					
549	1267	Benzoic acid, isobutyl ester	1		2	1	1		1				
550	21932	Benzoic acid, 2-methoxybutyl ester	1	1	1	1		1				1	1
551	525	Benzoic acid, methyl ester	1					1					
552	19697	Benzoic acid, 1-naphthyl ester					1	1					
553	30588	Benzoic acid, nonyl ester	1	2	1	1	1	1					
554	30501	Benzoic acid, octyl ester	1		2	1	1					1	1
555	7998	Benzoic acid, pentyl ester	2		2								
556	14041	Benzoic acid, 2-phenoxyethyl ester	2		1		1						
557	4731	Benzoic acid, phenyl ester	1	1	1	1							
558	4567	Benzoic acid, tetrahydrofurfuryl ester	1	1									
559	3809	Benzoic acid, *o*-tolyl ester					1						
560	30705	Benzoic acid, undecyl ester	1	1	1	1	1						
561	21002	Benzoic acid, 3-allyl-2-ethoxy-, methyl ester	2		1	1	1	1					
562	30036	Benzoic acid, 3-allyl-4-ethoxy-, methyl ester	2	1	1	1							
563	21334	Benzoic acid, 2-(allyloxy)-3-ethoxy-, ethyl ester	2		1		1					1	1
564	21413	Benzoic acid, *m*-(allyloxy)-, methyl ester	1			1	1	1				1	1
565	21001	Benzoic acid, *o*-(allyloxy)-, methyl ester	1		1	1	1	1					
566	21704	Benzoic acid, *p*-(allyloxy)-, methyl ester	1		1	1	1	1		1	1	1	1
567	21551	Benzoic acid, *m-sec*-butoxy-, methyl ester	2		1	1	1	1				1	1
568	21552	Benzoic acid, *p-sec*-butoxy-, methyl ester					1	1					
569	20682	Benzoic acid, *p-tert*-butyl-, ethyl ester	1	1	1	1	1	1					
570	21414	Benzoic acid, *p-tert*-butyl-, methyl ester	1			1		1				1	1
571	20700	Benzoic acid, *p-tert*-butyl-, propyl ester	1	1	1	1	1	1					
572	31503	Benzoic acid, 2,4-dihydroxy-, methyl ester	2	1	1	1							
573	30232	Benzoic acid, 2,4-dimethoxy-, methyl ester	3	2	1	1	1						
574	20699	Benzoic acid, *m*-ethoxy-, ethyl ester	2	2	1	2	1	1					
575	21310	Benzoic acid, *m*-ethoxy-, methyl ester	2		1	1			1	1	1		
576	20296	Benzoic acid, *o*-ethoxy, allyl ester					1	1	1	1	1		
577	18941	Benzoic acid, *o*-ethoxy-, benzyl ester	1	1	1		1						
578	20361	Benzoic acid, *o*-ethoxy-, 2-(2-butoxyethoxy)ethyl ester				1	1	1					
579	19069	Benzoic acid, *o*-ethoxy-, *sec*-butyl ester					1						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
580	19446	Benzoic acid, *o*-ethoxy-, *p-tert*-butylphenyl ester	1	1	1	----	1	1	----	----	----	--------	--------
581	18944	Benzoic acid, *o*-ethoxy-, cyclohexyl ester	1	1	1	1	1	----	----	2	1	--------	--------
582	19216	Benzoic acid, *o*-ethoxy-, 2-cyclohexylethyl ester	2	1	1	----	1	----	----	----	----	--------	--------
583	22727	Benzoic acid, *o*-ethoxy-, cyclopentyl ester	2	1	1	1	1	----	----	----	----	--------	--------
584	20295	Benzoic acid, *o*-ethoxy, ethyl ester	----	----	----	----	1	1	----	----	----	--------	--------
585	19214	Benzoic acid, *o*-ethoxy-, 1-ethylpentyl ester	1	1	1	----	1	----	----	----	----	--------	--------
586	19213	Benzoic acid, *o*-ethoxy-, heptyl ester	----	----	----	----	1	----	----	----	----	--------	--------
587	19068	Benzoic acid, *o*-ethoxy-, isobutyl ester	1	1	1	----	1	----	----	----	----	--------	--------
588	19217	Benzoic acid, *o*-ethoxy-, isopentyl ester	2	2	1	----	1	----	----	----	----	--------	--------
589	20314	Benzoic acid, *o*-ethoxy-, isopropyl ester	----	----	----	----	1	1	----	----	----	--------	--------
590	19447	Benzoic acid, *o*-ethoxy-, 4-isopropylcyclohexyl ester	1	1	1	----	1	1	----	----	----	--------	--------
591	19076	Benzoic acid, *o*-ethoxy-, *p*-methoxybenzyl ester	1	2	1	----	1	----	----	----	----	--------	--------
592	19074	Benzoic acid, *o*-ethoxy-, 2-methoxyethyl ester	----	----	----	----	1	----	----	----	----	--------	--------
593	5007	Benzoic acid, *o*-ethoxy-, methyl ester	3	1	1	1	----	----	----	----	----	--------	--------
594	19066	Benzoic acid, *o*-ethoxy-, 4-methylcyclohexyl ester	2	1	1	----	1	----	----	----	----	--------	--------
595	18942	Benzoic acid, *o*-ethoxy-, phenethyl ester	2	1	1	----	1	----	----	----	----	--------	--------
596	19078	Benzoic acid, *o*-ethoxy-, phenyl ester	----	----	----	----	1	----	----	----	----	--------	--------
597	18943	Benzoic acid, *o*-ethoxy-, 3-phenylpropyl ester	1	1	1	----	1	----	----	----	----	--------	--------
598	20434	Benzoic acid, *o*-ethoxy-, piperonyl ester	1	1	2	1	1	1	----	----	----	--------	--------
599	19077	Benzoic acid, *o*-ethoxy-, tetrahydrofurfuryl ester	1	1	1	1	1	----	----	2	1	--------	--------
600	19221	Benzoic acid, *o*-ethoxy-, *m*-tolyl ester	----	----	----	----	1	----	----	----	----	--------	--------
601	19222	Benzoic acid, *o*-ethoxy-, *o*-tolyl ester	----	----	----	----	1	----	----	----	----	--------	--------
602	19223	Benzoic acid, *o*-ethoxy-, *p*-tolyl ester	----	----	----	----	1	----	----	----	----	--------	--------
603	20362	Benzoic acid, *p*-ethoxy-, allyl ester	1	1	1	1	1	1	----	2	1	--------	--------
604	19460	Benzoic acid, *p*-ethoxy-, benzyl ester	----	----	----	----	1	1	----	----	----	--------	--------
605	20345	Benzoic acid, *p*-ethoxy-, butyl ester	1	----	2	----	1	----	----	----	----	--------	--------
606	20315	Benzoic acid, *p*-ethoxy-, ethyl ester	1	1	1	1	1	1	----	1	1	--------	--------
607	20346	Benzoic acid, *p*-ethoxy-, isopropyl ester	1	2	2	1	1	1	----	2	1	--------	--------
608	20348	Benzoic acid, *p*-ethoxy-, methyl ester	1	1	1	1	1	1	----	----	----	--------	--------
609	20347	Benzoic acid, *p*-ethoxy-, propyl ester	1	1	1	2	1	1	----	----	----	--------	--------
610	20683	Benzoic acid, *m*-hydroxy-, ethyl ester	1	1	1	1	1	1	----	----	----	--------	--------
611	30144	Benzoic acid, *o*-(2-hydroxy-4,4-dimethyl-6-oxo-1-cyclohexen-1-yl)-, lactone	1	----	1	1	----	----	----	----	----	1	1
612	30960	Benzoic acid, *p*-hydroxy-, ethyl ester	----	----	----	----	1	----	----	----	----	--------	--------
613	19595	Benzoic acid, *p*-hydroxy-, 3-phenylpropyl ester	----	----	----	----	1	1	----	----	----	--------	--------
614	1341	Benzoic acid, *p*-hydroxy-, propyl ester	1	1	1	----	1	1	----	----	----	--------	--------
615	21415	Benzoic acid, *m*-isobutoxy-, methyl ester	1	----	----	1	1	----	----	----	----	1	1
616	21705	Benzoic acid, *p*-isobutoxy-, methyl ester	1	----	1	1	1	1	----	1	2	1	1
617	30042	Benzoic acid, *m*-isopropoxy-, ethyl ester	2	1	1	1	----	----	----	----	----	1	1
618	21416	Benzoic acid, *m*-isopropoxy-, methyl ester	1	----	----	1	1	1	----	----	----	1	1
619	5010	Benzoic acid, *o*-isopropoxy-, methyl ester	2	----	----	1	1	----	----	----	----	--------	--------
620	30190	Benzoic acid, *p*-isopropyl , allyl ester	1	1	2	1	1	----	----	----	----	1	1
621	30187	Benzoic acid, *p*-isopropyl-, benzyl ester	2	1	2	1	1	----	----	----	----	1	1
622	30151	Benzoic acid, *p*-isopropyl-, butyl ester	1	----	1	1	1	----	----	----	----	1	
623	30154	Benzoic acid, *p*-isopropyl-, *sec*-butyl ester	1	----	1	1	1	----	----	----	----	1	1
624	30188	Benzoic acid, *p*-isopropyl-, cyclohexyl ester	2	1	1	1	1	----	----	----	----	1	1
625	30189	Benzoic acid, *p*-isopropyl-, cyclopentyl ester	1	1	2	1	1	----	----	----	----	1	1
626	30183	Benzoic acid, *p*-isopropyl-, 2-(2-ethoxyethoxy)ethyl ester	2	1	2	1	1	----	----	----	----	1	1

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
627	30162	Benzoic acid, *p*-isopropyl-, 2-ethoxyethyl ester	1	1	1	1	1	----	----	----	----	1	1
628	30153	Benzoic acid, *p*-isopropyl-, ethyl ester	2	----	2	1	1	----	----	----	----	1	1
629	30184	Benzoic acid, *p*-isopropyl-, 2-ethylbutyl ester	2	2	2	1	1	----	----	----	----	1	1
630	30185	Benzoic acid, *p*-isopropyl-, 2-ethylhexyl ester	1	1	1	1	1	----	----	----	----	1	1
631	30191	Benzoic acid, *p*-isopropyl-, heptyl ester	1	1	1	1	1	----	----	----	----	1	1
632	30186	Benzoic acid, *p*-isopropyl-, hexyl ester	2	1	2	1	1	----	----	----	----	1	1
633	30150	Benzoic acid, *p*-isopropyl-, isobutyl ester	1	----	1	1	1	----	----	----	----	1	1
634	30156	Benzoic acid, *p*-isopropyl-, isopentyl ester	2	----	1	1	1	----	----	----	----	1	1
635	30148	Benzoic acid, *p*-isopropyl-, isopropyl ester	1	----	1	1	1	----	----	----	----	1	1
636	30209	Benzoic acid, *p*-isopropyl-, *p*-methoxybenzyl ester	----	----	----	----	1	----	----	----	----	----	----
637	30179	Benzoic acid, *p*-isopropyl-, 3-methoxybutyl ester	1	----	1	1	1	----	----	----	----	1	1
638	30160	Benzoic acid, *p*-isopropyl-, 2-methoxyethyl ester	1	----	1	1	1	----	----	----	----	1	1
639	30152	Benzoic acid, *p*-isopropyl-, methyl ester	2	----	2	1	1	----	----	----	----	1	1
640	30155	Benzoic acid, *p*-isopropyl-, pentyl ester	1	----	2	1	1	----	----	----	----	1	1
641	30192	Benzoic acid, *p*-isopropyl-, phenethyl ester	1	1	2	1	1	----	----	----	----	1	1
642	30193	Benzoic acid, *p*-isopropyl-, 3-phenylpropyl ester	1	1	1	1	1	----	----	----	----	1	1
643	30147	Benzoic acid, *p*-isopropyl-, propyl ester	1	----	1	1	1	----	----	----	----	1	1
644	30195	Benzoic acid, *p*-isopropyl-, tetrahydrofurfuryl ester	1	1	1	1	1	----	----	----	----	1	1
645	21530	Benzoic acid, *m*-(2-methylallyloxy)-, methyl ester	1	----	1	1	1	1	----	----	----	1	1
646	21562	Benzoic acid, *p*-(2-methylallyloxy)-, methyl ester	----	----	----	----	1	1	----	----	----	----	----
647	24183	Benzoic acid, *p*-pentyloxy-, methyl ester	1	1	----	----	----	----	----	----	----	----	----
648	21335	Benzoic acid, *m*-propoxy-, methyl ester	1	----	1	----	1	1	----	----	----	2	1
649	21155	Benzoic acid, 3,4,5-trimethoxy-, ethyl ester	1	----	1	1	1	1	----	----	----	----	----
650	21154	Benzoic acid, 3,4,5-trimethoxy-, methyl ester	1	----	1	1	1	1	----	----	----	----	----
651	20385	Benzoic acid, 3,4,5-trimethoxy-, piperonyl ester	----	----	----	----	1	1	----	----	----	----	----
652	17535	Benzophenone, 2,4′-dihydroxy-, diacetate	----	----	----	----	1	----	----	----	----	----	----
653	17536	Benzophenone, 4,4′-dihydroxy-, diacetate	----	----	----	----	1	----	----	----	----	----	----
654	21533	Benzyl alcohol, *p*-butoxy-, acetate	----	----	----	----	1	1	----	----	----	----	----
655	24749	Benzyl alcohol, *alpha, alpha*-dimethyl-, acetate	----	----	1	----	1	----	----	----	1	----	----
656	21160	Benzyl alcohol, 2,4-dimethyl-, acetate	1	----	----	1	1	1	----	----	----	----	----
657	30169	Benzyl alcohol, 2,4-dimethyl-, benzoate	1	----	1	1	1	----	----	----	----	1	1
658	30171	Benzyl alcohol, 2,4-dimethyl-, formate	1	----	2	1	1	----	----	----	----	----	----
659	21534	Benzyl alcohol, 2,5-dimethyl-, acetate	1	----	3	1	1	1	----	----	----	1	1
660	8356	Benzyl alcohol, 2,5-dimethyl-, benzoate	----	----	----	----	1	----	----	----	----	----	----
661	21282	Benzyl alcohol, 3,4-dimethyl-, acetate	1	----	1	1	1	1	----	----	----	----	----
662	30198	Benzyl alcohol, 3,4-dimethyl-, benzoate	1	1	1	1	1	----	----	----	----	1	1
663	30120	Benzyl alcohol, 3,4-dimethyl-, formate	1	----	1	1	1	----	----	----	----	1	1
664	21161	Benzyl alcohol, *p*-ethoxy-, acetate	1	----	----	1	1	1	1	1	2	----	----
665	20523	Benzyl alcohol, *alpha*-ethyl-, acetate	2	----	3	----	1	1	----	----	----	----	----
666	11718	Benzyl alcohol, *alpha*-ethyl-, benzoate	----	----	----	----	1	----	----	----	----	----	----
667	21902	Benzyl alcohol, *m*-ethyl-, acetate	----	----	----	----	1	1	----	----	----	----	----
668	21527	Benzyl alcohol, *p*-ethyl-, acetate	----	----	1	1	1	1	----	----	----	----	----
669	21901	Benzyl alcohol, *m*-(hydroxymethyl)-, diacetate	1	----	1	1	1	1	----	----	----	1	1

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
670	11717	Benzyl alcohol, *alpha*-isopropyl-, benzoate					1						
671	18152	Benzyl alcohol, *alpha*-methyl-, acetate	2	1	3	1	1						
672	8109	Benzyl alcohol, *alpha*-methyl-, benzoate					1						
673	18714	Benzyl alcohol, *alpha*-methyl-, formate					1						
674	21554	Benzyl alcohol, *m*-methyl-, acetate					1						
675	8357	Benzyl alcohol, *m*-methyl-, benzoate	1	1	1	1	1						
676	21537	Benzyl alcohol, *o*-methyl-, acetate	1		3	1	1	1				1	1
677	20661	Benzyl alcohol, *p*-methyl-, acetate	2	1	3	1	1	1					
678	21538	Benzyl alcohol, *p*-(2-methylallyloxy)-, acetate					1	1					
679	21539	Benzyl alcohol, *p*-propoxy-, acetate					1	1					
680	20533	Benzyl alcohol, *alpha*-propyl-, acetate				1	1	1					
681	11720	Benzyl alcohol, *alpha*-propyl-, benzoate	2	1	2		1						
682	24872	Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, butyl ester	1		2	1	1			1	1		
683	24874	Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, ethyl ester	1		1	1	1			1	1		
684	24873	Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 3-methyl-, ethyl ester	1		2	1	1			2	1		
685	14380	Bicyclo [3.1.1] hept-2-ene-2-ethanol, 6,6-dimethyl-, acetate	2	1	1	1							
686	18704	1,3-Butanediol, diformate					1						
687	22074	1,4-Butanediol, diformate					1	1					
688	30440	1-Butanol, 3-methoxy-, formate	1		1	1	1						
689	30504	2-Butanol, benzoate	1		3	1	1					1	1
690	21283	2-Butanol, 4-(*p*-isopropylphenyl)-, acetate	1		1	1	1	1					
691	21284	2-Butanol, 4-(*p*-methoxyphenyl)-, acetate				1	1	1					
692	20243	2-Butanol, 4-(3,4-methylenedioxyphenyl)-, acetate					1	1					
693	24193	2-Butanol, 2-methyl-4-phenyl-, acetate	2										
694	24795	2-Butanol, 3-methyl-4-phenyl-, acetate	2		1		1				1		
695	31841	2-Butanone, 4-[(*p*-hydroxyethoxy)-phenyl]-, acetate	1	1	1								
696	31840	2-Butanone, 4-(*o*-hydroxyphenyl)-, acetate	1	1	1								
697	31833	2-Butanone, 4-(*p*-hydroxyphenyl)-, acetate		2									
698	30125	2-Butenoic acid, *m*-methylbenzyl ester	1		1	1							
699	31831	3-Buten-2-one, 4-(*o*-hydroxyphenyl)-, acetate		1									
700	6120	Butyric acid, benzyl ester	2	1	3	1	1						
701	6125	Butyric acid, butyl ester	1		2								
702	30709	Butyric acid, 4-*tert*-butyl-2-(*alpha*-methylbenzyl)phenyl ester					1						
703	30428	Butyric acid, 2-(*o*-*sec*-butylphenoxy)-1-methylethyl ester	1		2	1	1						
704	30437	Butyric acid, 2-(*p*-*sec*-butylphenoxy)-1-methylethyl ester	1		1	1	1						
705	30434	Butyric acid, 2-(*p*-*tert*-butylphenoxy)-1-methylethyl ester	1		1	1	1						
706	18396	Butyric acid, *p*-*tert*-butylphenyl ester					1						
707	18356	Butyric acid, 6-*tert*-butyl-*m*-tolyl ester					1						
708	18406	Butyric acid, 4-*tert*-butyl-*o*-tolyl ester					1						
709	18408	Butyric acid, 2-*tert*-butyl-*p*-tolyl ester					1						
710	2461	Butyric acid, cinnamyl ester	1										
711	6059	Butyric acid, cyclohexyl ester	2										
712	3884	Butyric acid, 2-cyclohexylcyclohexyl ester	2	1	3	1							
713	2140	Butyric acid, 4-cyclohexylcyclohexyl ester	1	1	1	1							

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
714	18399	Butyric acid, *o*-cyclohexylphenyl ester	----	----	----	----	1	----	----	----	----	----	----
715	18400	Butyric acid, *p*-cyclohexylphenyl ester	----	----	----	----	1	----	----	----	----	----	----
716	22713	Butyric acid, cyclopentyl ester	----	----	----	----	1	----	----	----	----	----	----
717	30734	Butyric acid, decyl ester	1	1	2	1	1	----	----	----	----	----	----
718	31779	Butyric acid, diester with 1,2-hexadecanediol	1	1	1	2	1	----	----	----	----	----	----
719	31743	Butyric acid, diester with 1,12-octadecanediol	1	1	1	1	1	----	----	----	----	----	----
720	30379	Butyric acid, 2,4-dimethylbenzyl ester	1	----	2	1	1	----	----	----	----	----	----
721	30137	Butyric acid, 3,4-dimethylbenzyl ester	1	----	2	1	1	----	----	----	----	----	----
722	18413	Butyric acid, *p*-(*alpha*,*alpha*-dimethylbenzyl)phenyl ester	1	----	1	1	1	----	----	----	1	----	----
723	30912	Butyric acid, 2,2-dimethylpentyl ester	1	1	3	1	1	----	----	----	----	----	----
724	24473	Butyric acid, 1,1-dimethyl-3-phenylpropyl ester	----	1	----	----	----	----	----	----	----	----	----
725	24200	Butyric acid, ester with citronellol	1	----	----	----	----	----	----	----	----	----	----
726	24201	Butyric acid, ester with linaloöl	1	----	----	----	----	----	----	----	----	----	----
727	18427	Butyric acid, ethyl ester	1	----	----	----	----	----	----	----	----	----	----
728	21866	Butyric acid, *alpha*-ethylbenzyl ester	2	----	3	----	----	----	----	----	----	1	1
729	18403	Butyric acid, *m*-ethylphenyl ester	----	----	----	----	1	----	----	----	----	----	----
730	18404	Butyric acid, *p*-ethylphenyl ester	----	----	----	----	1	----	----	----	----	----	----
731	20981	Butyric acid, eugenyl ester	2	----	----	1	1	1	----	----	----	----	----
732	15359	Butyric acid, geranyl ester	1	----	----	----	----	1	----	----	----	----	----
733	21505	Butyric acid, heptyl ester	----	----	2	1	1	1	----	----	----	1	1
734	31766	Butyric acid, 1-hexyl-12-hydroxydodecyl ester	2	1	1	2	1	----	----	----	----	----	----
735	31750	Butyric acid, 2-hydroxyhexadecyl ester	1	1	1	1	1	----	----	----	----	----	----
736	31786	Butyric acid, 1-(hydroxymethyl)pentadecyl ester	1	1	1	2	1	----	----	----	----	----	----
737	31735	Butyric acid, 1-hydroxyoctadecyl ester	2	1	1	1	1	----	----	----	----	----	----
738	11267	Butyric acid, isobutyl ester	1	----	1	1	1	1	----	----	----	----	----
739	20982	Butyric acid, isoeugenyl ester	1	----	----	1	----	----	----	----	----	----	----
740	18397	Butyric acid, *o*-isopropylphenyl ester	----	----	----	----	1	----	----	----	----	----	----
741	18398	Butyric acid, *p*-isopropylphenyl ester	----	----	----	----	1	----	----	----	----	----	----
742	21923	Butyric acid, 3-methoxybutyl ester	2	----	1	1	----	1	----	----	----	1	1
743	31836	Butyric acid, *p*-(methoxycarbonyl)-phenyl ester	----	1	----	----	----	----	----	----	----	----	----
744	18501	Butyric acid, 2-methoxyethyl ester	----	----	----	----	1	----	----	----	----	----	----
745	30062	Butyric acid, *m*-methylbenzyl ester	2	1	2	1	1	----	----	----	1	1	1
746	22396	Butyric acid, 1-methyl-2-phenoxyethyl ester	----	----	----	----	1	----	----	----	----	----	----
747	18358	Butyric acid, 1-naphthyl ester	----	----	----	----	1	----	----	----	----	----	----
748	12024	Butyric acid, 2-naphthyl ester	1	----	1	----	1	----	----	----	----	----	----
749	30449	Butyric acid, 1-naphthylmethyl ester	----	----	----	----	1	----	----	----	----	----	----
750	18415	Butyric acid, *p*-nonylphenyl ester	1	----	1	1	1	----	----	----	----	----	----
751	24204	Butyric acid, octyl ester	1	1	1	----	----	----	----	----	----	----	----
752	31835	Butyric acid, *p*-(3-oxobutyl)phenyl ester	----	2	----	----	----	----	----	----	----	----	----
753	6124	Butyric acid, pentyl ester	1	1	3	1	----	----	2	----	----	----	----
754	2954	Butyric acid, phenethyl ester	1	----	----	1	1	1	----	----	----	----	----
755	22351	Butyric acid, 3-(3-phenoxypropoxy)-propyl ester	----	----	----	----	1	----	----	----	----	----	----
756	20536	Butyric acid, *alpha*-propylbenzyl ester	----	----	----	----	1	1	----	----	----	----	----
757	22229	Butyric acid, 2-propynyl ester	----	----	----	----	1	----	----	----	----	----	----
758	30730	Butyric acid, *p*-(1,1,3,3-tetramethylbutyl)phenyl ester	1	1	1	1	1	----	----	----	----	----	----
759	30506	Butyric acid, thymyl ester	1	----	1	1	1	----	----	----	----	1	1
760	18341	Butyric acid, *m*-tolyl ester	----	----	----	----	1	----	----	----	----	----	----
761	18340	Butyric acid, *o*-tolyl ester	----	----	----	----	1	----	----	----	----	----	----
762	18342	Butyric acid, *p*-tolyl ester	----	----	----	----	1	----	----	----	----	----	----
763	30898	Butyric acid, undecyl ester	1	1	2	1	1	----	----	----	----	----	----
764	24888	Butyric acid, vinyl ester	2	----	1	1	1	----	----	----	1	----	----
765	21403	Butyric acid, 3-benzyl-3-hydroxy-, butyl ester	1	----	----	1	1	1	----	----	----	1	1

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
766	21404	Butyric acid, 3-benzyl-3-hydroxy-, ethyl ester	1	----	----	1	1	----	----	----	----	1	1
767	24767	Butyric acid, 2-ethyl-, allyl ester	1	----	1	----	----	----	----	----	1	----	----
768	30224	Butyric acid, 2-ethyl-, benzyl ester	1	1	1	1	1	----	----	----	----	1	1
769	30241	Butyric acid, 2-ethyl-, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	1	----	----	----	----	2	1
770	30457	Butyric acid, 2-ethyl-, 2-butoxyethyl ester	1	----	1	1	1	----	----	----	----	1	1
771	14392	Butyric acid, 2-ethyl-, butyl ester	1	1	1	1	----	----	----	----	----	----	----
772	30243	Butyric acid, 2-ethyl-, *sec*-butyl ester	1	1	1	1	1	----	----	----	----	1	1
773	30358	Butyric acid, 2-ethyl-, 2-(*o*-*sec*-butylphenoxy)-1-methylethyl ester	1	----	1	1	1	----	----	----	----	----	----
774	30359	Butyric acid, 2-ethyl-, 2-(*p*-*sec*-butylphenoxy)-1-methylethyl ester	1	----	1	1	1	----	----	----	----	----	----
775	30360	Butyric acid, 2-ethyl-, 2-(*p*-*tert*-butylphenoxy)-1-methylethyl ester	1	----	1	1	1	----	----	----	----	----	----
776	30227	Butyric acid, 2-ethyl-, cyclohexyl ester	2	1	1	1	1	----	----	----	----	1	1
777	30240	Butyric acid, 2-ethyl-, cyclopentyl ester	1	1	1	1	1	----	----	----	----	1	1
778	30228	Butyric acid, 2-ethyl-, 2-ethoxyethyl ester	1	1	1	1	1	----	----	----	----	1	1
779	24766	Butyric acid, 2-ethyl-, ethyl ester	1	----	1	----	1	----	----	----	1	----	----
780	30248	Butyric acid, 2-ethyl-, 4-ethyl-1-methyloctyl ester	1	1	1	1	1	----	----	----	----	1	
781	30261	Butyric acid, 2-ethyl-, 1-ethylpentyl ester	1	2	1	1	1	----	----	----	----	1	1
782	30260	Butyric acid, 2-ethyl-, 1-ethylpropyl ester	1	1	1	1	1	----	----	----	----	1	1
783	30218	Butyric acid, 2-ethyl-, heptyl ester	1	1	1	1	1	----	----	----	----	1	1
784	30217	Butyric acid, 2-ethyl-, hexyl ester	1	1	2	1	1	----	----	----	----	1	1
785	30214	Butyric acid, 2-ethyl-, isobutyl ester	1	1	1	1	1	----	----	----	----	1	1
786	30216	Butyric acid, 2-ethyl-, isopentyl ester	1	1	2	1	1	----	----	----	----	1	1
787	30213	Butyric acid, 2-ethyl-, isopropyl ester	1	1	1	1	----	----	----	----	----	1	1
788	30324	Butyric acid, 2-ethyl-, 2-isopropylcyclohexyl ester	1	1	1	1	1	----	----	----	----	----	----
789	30242	Butyric acid, 2-ethyl-, 3-methoxybutyl ester	1	1	1	1	1	----	----	----	----	1	1
790	30246	Butyric acid, 2-ethyl-, 2-(2-methoxyethoxy)ethyl ester	1	1	1	1	1	----	----	----	----	1	1
791	30222	Butyric acid, 2-ethyl-, 2-methoxyethyl ester	1	1	1	1	1	----	----	----	----	1	1
792	30354	Butyric acid, 2-ethyl-, 2-methoxy-1-methylethyl ester	1	----	2	1	1	----	----	----	----	----	----
793	30323	Butyric acid, 2-ethyl-, 2-methylcyclohexyl ester	1	1	3	1	1	----	----	----	----	----	----
794	30356	Butyric acid, 2-ethyl-, 1-methyl-2-phenoxyethyl ester	1	----	1	1	1	----	----	----	----	----	----
795	30258	Butyric acid, 2-ethyl-, octyl ester	1	2	1	1	1	----	----	----	----	1	1
796	30215	Butyric acid, 2-ethyl-, pentyl ester	1	1	1	1	1	----	----	----	----	1	1
797	30225	Butyric acid, 2-ethyl-, phenethyl ester	1	1	1	1	1	----	----	----	----	1	1
798	30245	Butyric acid, 2-ethyl-, 2-phenoxyethyl ester	1	1	1	1	1	----	----	----	----	1	1
799	30226	Butyric acid, 2-ethyl-, 3-phenylpropyl ester	1	1	1	1	1	----	----	----	----	1	1
800	30212	Butyric acid, 2-ethyl-, propyl ester	1	1	1	1	1	----	----	----	----	1	1
801	30244	Butyric acid, 2-ethyl-, tetrahydrofurfuryl ester	1	1	1	1	1	----	----	----	----	1	1
802	21406	Butyric acid, 3-hydroxy-3-phenyl-, butyl ester	1	----	----	1	1	1	----	----	----	1	1
803	21405	Butyric acid, 3-hydroxy-4-phenyl-, ethyl ester	1	----	----	1	1	1	----	----	----	1	1
804	20660	Butyric acid, 4-hydroxy-2-piperonyl-, *gamma*-lactone	----	----	----	----	1	1	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
805	21008	Butyric acid, 3-(*m*-methoxyphenoxy)-, propyl ester	2	----	----	1	1	1	----	----	----	--------	--------
806	31630	Butyric acid, 3-piperonyl-, ethyl ester	1	1	1	----	----	----	----	----	----	--------	--------
807	1776	Butyrin	1	1	----	----	----	----	----	----	----	--------	--------
808	7027	Butyrolactone	1	----	1	----	----	----	----	----	----	--------	--------
809	5836	Carbonic acid, dibenzyl ester	2	1	1	1	----	----	----	----	----	--------	--------
810	30046	Carbonic acid, dibutyl ester	1	1	1	1	----	----	----	----	----	--------	--------
811	14705	Carbonic acid, dimethyl ester	1	2	----	----	----	----	----	----	----	--------	--------
812	4252	Carbonic acid, dipentyl ester	2	1	1	1	----	----	----	----	----	--------	--------
813	3938	Carbonic acid, 1-heptynyl methyl ester	1	----	1	----	----	----	----	----	----	--------	--------
814	24205	Carbonic acid, methyl 1-octynyl ester	1	----	1	----	----	----	----	----	----	--------	--------
815	3429	Carvacrol, acetate	----	----	----	----	1	----	----	----	----	--------	--------
816	24206	Cedrol, acetate	1	----	----	----	----	----	----	----	----	--------	--------
817	30102	Chrysanthemumdicarboxylic acid, dimethyl ester	----	----	----	----	1	----	----	2	1	--------	--------
818	30971	Chrysanthemumic acid, allyl ester	1	1	2	2	1	----	----	2	1	--------	--------
819	22006	Chrysanthemumic acid, 3-allyl-1,2-dimethyl-4-oxo-2-cyclopenten-1-yl ester	----	----	----	----	1	1	----	----	----	--------	--------
820	30039	Chrysanthemumic acid, 3-allyl-4-ethoxybenzyl ester	----	----	----	----	1	----	----	1	1	--------	--------
821	20032	Chrysanthemumic acid, *alpha*-allylfurfuryl ester	----	----	----	----	1	1	----	----	----	--------	--------
822	30041	Chrysanthemumic acid, 3-allyl-4-methoxybenzyl ester	----	----	----	----	1	----	----	1	1	--------	--------
823	30336	Chrysanthemumic acid, 2-allyl-4,5-methylenedioxyphenyl ester	1	1	1	1	----	----	----	----	----	--------	--------
824	21422	Chrysanthemumic acid, *m*-(allyloxy)-benzyl ester	----	----	----	----	1	1	----	----	----	--------	--------
825	21427	Chrysanthemumic acid, *o*-(allyloxy)-benzyl ester	----	----	----	----	1	1	----	----	----	--------	--------
826	21733	Chrysanthemumic acid, *p*-(allyloxy)benzyl ester	1	----	----	----	1	1	----	2	1	--------	--------
827	30167	Chrysanthemumic acid, 2-(allyloxy)-3-methoxybenzyl ester	----	----	----	----	1	----	----	----	----	--------	--------
828	30230	Chrysanthemumic acid, 2-(3-allyloxy)-naphthylmethyl ester	----	----	----	----	1	----	----	----	----	--------	--------
829	20003	Chrysanthemumic acid, *alpha*-allylpiperonyl ester	1	----	----	----	1	1	----	1	1	--------	--------
830	20908	Chrysanthemumic acid, 6-allylpiperonyl ester	----	----	----	----	1	1	----	----	----	--------	--------
831	20498	Chrysanthemumic acid, *alpha*-allyl-*o*-veratryl ester	----	----	----	----	1	1	----	----	----	--------	--------
832	20412	Chrysanthemumic acid, *alpha*-amylpiperonyl ester	----	----	----	----	1	1	----	----	----	--------	--------
833	20408	Chrysanthemumic acid, benzhydryl ester	----	----	----	----	1	1	----	----	----	--------	--------
834	20248	Chrysanthemumic acid, benzyl ester	1	----	1	1	1	1	----	1	1	--------	--------
835	20273	Chrysanthemumic acid, *d*-bornyl ester	----	----	----	----	1	1	----	----	----	--------	--------
836	21573	Chrysanthemumic acid, *m-sec*-butoxybenzyl ester	----	----	----	----	1	1	----	2	1	--------	--------
837	21556	Chrysanthemumic acid, *p*-butoxybenzyl ester	----	----	----	----	1	1	----	2	1	--------	--------
838	21578	Chrysanthemumic acid, *p-sec*-butoxybenzyl ester	----	----	----	----	1	1	----	1	1	--------	--------
839	21339	Chrysanthemumic acid, *p*-butoxyphenethyl ester	----	----	----	----	1	1	----	----	----	--------	--------
840	30970	Chrysanthemumic acid, butyl ester	1	1	2	1	1	----	----	1	1	--------	--------
841	30973	Chrysanthemumic acid, *sec*-butyl ester	1	1	2	1	1	----	----	1	1	--------	--------
842	21423	Chrysanthemumic acid, *p-tert*-butylbenzyl ester	----	----	----	----	1	1	----	1	1	--------	--------
843	20413	Chrysanthemumic acid, *alpha*-butylpiperonyl ester	----	----	----	----	1	1	----	----	----	--------	--------

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
844	20309	Chrysanthemumic acid, *alpha-tert*-butylpiperonyl ester					1	1					
845	20835	Chrysanthemumic acid, chrysanthemumyl ester					1	1					
846	20144	Chrysanthemumic acid, cinnamyl ester	1			1	1						
847	20422	Chrysanthemumic acid, cuminyl ester					1						
848	20352	Chrysanthemumic acid, cyclohexyl ester					1	1					
849	20585	Chrysanthemumic acid, cyclohexylmethyl ester					1	1		2	1		
850	21036	Chrysanthemumic acid, 3-cyclohexyl-2-methyl-4-oxo-2-cyclopenten-1-yl ester					1	1					
851	21021	Chrysanthemumic acid, diester with 2-piperonyl-1,4-butanediol					1	1					
852	19395	Chrysanthemumic acid, diester with pyrocatechol	1	1		1	1	1					
853	20410	Chrysanthemumic acid, 2,3-dimethoxybenzyl ester					1	1		2	1		
854	21170	Chrysanthemumic acid, 2,4-dimethylbenzyl ester					1	1		2	1		
855	21825	Chrysanthemumic acid, 3,4-dimethylbenzyl ester	1		1	1	1	1		2	1		
856	20675	Chrysanthemumic acid, 2-(7,7-dimethylbicyclo[3.1.1]hept-2-enyl)ethyl ester					1	1					
857	20202	Chrysanthemumic acid, *dl*-2,3-dimethyl-4-oxo-2-cyclopenten-1-yl ester					1	1					
858	20133	Chrysanthemumic acid, ester with 4-hydroxy-4-methyl-2-pentanone					1	1					
859	21019	Chrysanthemumic acid, ester with 1-(3,4-methylenedioxyphenyl)-2-propanol	1			1							
860	21020	Chrysanthemumic acid, ester with 2-methyl-3-(3,4-methylenedioxyphenyl)-1-propanol	1			1	1	1					
861	21340	Chrysanthemumic acid, *m*-ethoxybenzyl ester	1		1	1	1	1		2	2	1	1
862	21424	Chrysanthemumic acid, *o*-ethoxybenzyl ester					1	1		1	1		
863	21171	Chrysanthemumic acid, *p*-ethoxybenzyl ester					1	1		2	1		
864	19003	Chrysanthemumic acid, 2-(2-ethoxyethoxy)ethyl ester					1						
865	30254	Chrysanthemumic acid, 2-(3-ethoxy)-naphthylmethyl ester	1	1	1	1	1					1	1
866	21341	Chrysanthemumic acid, *p*-ethoxyphenethyl ester	1	1	1	1	1	1		1	2		
867	31012	Chrysanthemumic acid, ethyl ester	1	2	1	1	1			1	1		
868	21906	Chrysanthemumic acid, *m*-ethylbenzyl ester					1	1					
869	21558	Chrysanthemumic acid, *p*-ethylbenzyl ester					1	1					
870	20272	Chrysanthemumic acid, *alpha*-ethylpiperonyl ester					1						
871	20138	Chrysanthemumic acid, geranyl ester					1	1					
872	21425	Chrysanthemumic acid, *m*-isobutoxybenzyl ester					1	1		1	1		
873	30972	Chrysanthemumic acid, isobutyl ester	1	1	2	2	1			1	1		
874	21426	Chrysanthemumic acid, *m*-isopropoxybenzyl ester	1	1	2	1	1	1		2	1		
875	30969	Chrysanthemumic acid, isopropyl ester	1	1	2	1	1			1	1		
876	21285	Chrysanthemumic acid, 3-(*p*-isopropylphenyl)-1-methylpropyl ester	1			1	1	1					
877	20337	Chrysanthemumic acid, *alpha*-isopropylpiperonyl ester	2		1	1	1	1					

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
878	21173	Chrysanthemumic acid, *m*-methoxybenzyl ester	----	----	----	----	1	1	----	2	1	--------	--------
879	20335	Chrysanthemumic acid, *o*-methoxybenzyl ester	1	----	----	1	1	1	----	----	----	--------	--------
880	20143	Chrysanthemumic acid, *p*-methoxybenzyl ester	1	----	1	1	1	----	----	1	2	--------	--------
881	30298	Chrysanthemumic acid, 3-methoxy-4-(2-methylallyl)benzyl ester	1	2	1	1	1	----	----	----	----	--------	--------
882	30239	Chrysanthemumic acid, 4-methoxy-3-(2-methylallyl)benzyl ester	----	----	----	----	1	----	----	----	----	--------	--------
883	30299	Chrysanthemumic acid, 3-methoxy-2-naphthylmethyl ester	1	2	1	1	1	----	----	----	----	--------	--------
884	20944	Chrysanthemumic acid, *o*-methoxyphenyl ester	1	1	----	1	----	1	----	2	2	--------	--------
885	19113	Chrysanthemumic acid, *p*-methoxyphenyl ester	1	----	----	1	1	----	----	1	1	--------	--------
886	20044	Chrysanthemumic acid, 1-(*o*-methoxyphenyl)-3-butenyl ester	----	----	----	----	1	1	----	----	----	--------	--------
887	20033	Chrysanthemumic acid, 1-(*p*-methoxyphenyl)-3-butenyl ester	----	----	----	----	1	1	----	----	----	--------	--------
888	21286	Chrysanthemumic acid, 3-(*p*-methoxyphenyl)-1-methylpropyl ester	1	----	----	1	1	1	----	----	----	--------	--------
889	30166	Chrysanthemumic acid, 3-methoxy-2-propoxybenzyl ester	----	----	----	----	1	----	----	----	----	--------	--------
890	30968	Chrysanthemumic acid, methyl ester	2	1	1	1	1	----	----	1	1	--------	--------
891	21564	Chrysanthemumic acid, *m*-(2-methylallyloxy)benzyl ester	----	----	----	----	1	----	----	----	----	--------	--------
892	30300	Chrysanthemumic acid, *o*-(2-methylallyloxy)benzyl ester	1	1	1	1	1	----	----	2	1	--------	--------
893	21577	Chrysanthemumic acid, *p*-(2-methylallyloxy)benzyl ester	----	----	----	----	1	1	----	----	----	--------	--------
894	21572	Chrysanthemumic acid, *m*-methylbenzyl ester	----	----	----	----	1	----	----	----	----	--------	--------
895	21559	Chrysanthemumic acid, *o*-methylbenzyl ester	----	----	----	----	1	1	----	----	----	--------	--------
896	21739	Chrysanthemumic acid, 1-methyl-3-cyclohexen-1-yl ester	1	----	1	----	1	1	----	----	----	--------	--------
897	20336	Chrysanthemumic acid, 2-methylcyclohexyl ester	----	----	----	----	1	1	----	----	----	--------	--------
898	20353	Chrysanthemumic acid, 4-methylcyclohexyl ester	----	----	----	----	1	1	----	----	----	--------	--------
899	20246	Chrysanthemumic acid, 3,4-methylenedioxybenzhydryl ester	2	----	1	----	----	1	----	----	----	--------	--------
900	21172	Chrysanthemumic acid, 3,4-methylenedioxyphenethyl ester	----	----	----	----	1	1	----	----	----	--------	--------
901	20244	Chrysanthemumic acid, 4-(3,4-methylenedioxyphenyl)butyl ester	1	----	----	1	1	1	----	----	----	--------	--------
902	20856	Chrysanthemumic acid, 3-(3,4-methylenedioxyphenyl)-2-propenyl ester	----	----	----	----	1	1	----	----	----	--------	--------
903	20857	Chrysanthemumic acid, 3-(3,4-methylenedioxyphenyl)propyl ester	----	----	----	----	1	1	1	----	----	--------	--------
904	20294	Chrysanthemumic acid, *alpha*-methyl-*p*-methoxybenzyl ester	----	----	----	----	1	1	----	----	----	--------	--------
905	21030	Chrysanthemumic acid, *alpha*-(*p*-methylphenyl)piperonyl ester	----	----	----	----	1	1	----	----	----	--------	--------
906	20110	Chrysanthemumic acid, *alpha*-methylpiperonyl ester	1	----	----	1	1	1	----	----	----	--------	--------
907	20588	Chrysanthemumic acid, *p*-methyl-*alpha*-propylbenzyl ester	----	----	----	----	1	----	----	----	----	--------	--------
908	19125	Chrysanthemumic acid, 2-naphthyl ester	----	----	----	----	1	----	----	----	----	--------	--------
909	30446	Chrysanthemumic acid, 1-naphthylmethyl ester	----	----	----	----	1	----	----	----	----	--------	--------

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Materia	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
910	20411	Chrysanthemumic acid, *alpha-tert*-pentylpiperonyl ester					1	1					
911	20590	Chrysanthemumic acid, *alpha*-phenethylpiperonyl ester					1	1					
912	20333	Chrysanthemumic acid, phenyl ester					1						
913	30302	Chrysanthemumic acid, *p*-phenylbenzyl ester	1	1	1	1	1			1	1		
914	20312	Chrysanthemumic acid, 2-phenylcyclohexyl ester					1	1					
915	20274	Chrysanthemumic acid, piperonyl ester	2		1	1	1	1		2	1		
916	20717	Chrysanthemumic acid, 6-propenylpiperonyl ester					1	1					
917	21342	Chrysanthemumic acid, *m*-propoxybenzyl ester					1	1		2	1		
918	21560	Chrysanthemumic acid, *p*-propoxybenzyl ester					1	1		2	1		
919	20886	Chrysanthemumic acid, propyl ester	2	2	2	2	1	1	2	2	2		
920	20091	Chrysanthemumic acid, *alpha*-propylpiperonyl ester	1			1	1	1					
921	20687	Chrysanthemumic acid, 6-propylpiperonyl ester					1	1					
922	20380	Chrysanthemumic acid, 1,2,3,4-tetrahydro-2-naphthyl ester					1	1					
923	20409	Chrysanthemumic acid, thymyl ester					1	1		2	1		
924	30301	Chrysanthemumic acid, 2,4,6 trimethyl-3-cyclohexen-1-ylmethyl ester	1	1	1	1							
925	20424	Chrysanthemumic acid, veratryl ester					1	1		1	1		
926	16326	Cinnamic acid, *trans*-, allethrolonyl ester								2	1		
927	2313	Cinnamic acid, allyl ester	1	1									
928	2482	Cinnamic acid, 2-(4-allyl-2-methoxyphenoxy)ethyl ester					1						
929	20134	Cinnamic acid, *alpha*-allylpiperonyl ester	2		1					1	1		
930	1268	Cinnamic acid, benzyl ester	1		1								
931	2445	Cinnamic acid, cinnamyl ester	1										
932	2424	Cinnamic acid, cyclohexyl ester	2										
933	2451	Cinnamic acid, ester with linaloöl	2		2	1	1	1		1	1		
934	20276	Cinnamic acid, 2-ethoxyethyl ester					1	1		1	1		
935	667	Cinnamic acid, ethyl ester	1		1	1							
936	2384	Cinnamic acid, isobutyl ester	1	1	1	1							
937	2026	Cinnamic acid, isopropyl ester	1			1	1			1	1		
938	579	Cinnamic acid, methyl ester	1	1	1	1		1	1	1	1		
939	24209	Cinnamic acid, pentyl ester	1		1								
940	1026	Cinnamic acid, phenethyl ester	2										
941	23960	Cinnamic acid, 3-phenylpropyl ester	1			1	1						
942	2024	Cinnamic acid, propyl ester	1			1			2	2	1		
943	23964	Cinnamic acid, 3,4-dimethoxy-, methyl ester	2			1							
944	20112	Cinnamic acid, *o*-isopropoxy-, methyl ester					1						
945	20001	Cinnamic acid, *o*-methoxy-, *cis*-, allyl ester	1			1		1					
946	24786	Cinnamic acid, *beta*-methyl-, ethyl ester	2		1		1				1		
947	24785	Cinnamic acid, *beta*-methyl-, methyl ester	2		1								
948	20119	Cinnamic acid, 3,4-methylenedioxy-, allethrolonyl ester	1					1		2			
949	30060	Cinnamic acid, 3,4-methylenedioxy-, methyl ester								1	1		
950	2455	Cinnamyl alcohol, formate	1		1	1							
951	659	Citric acid, triethyl ester	1	1	1		1						
952	17368	*m*-Cresol, 4-*tert*-butyl-, acetate					1						
953	19647	*m*-Cresol, 4-*tert*-butyl-, benzoate					1	1					

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
954	17449	*m*-Cresol, 4,6-di-*tert*-butyl-, acetate					1						
955	20011	*m*-Cresol, 6-(1,1-dimethylpropyl)-, acetate					1	1					
956	10054	*p*-Cresol, 2-allyl-, acetate					1						
957	20012	*p*-Cresol, 2-*tert*-butyl-, acetate					1	1					
958	24211	2,4-Cresotic acid, methyl ester	1										
959	24212	Crotonic acid, allyl ester	1	1									
960	4112	Crotonic acid, benzyl ester					1			2	1		
961	2289	Crotonic acid, 2-cyclohexylcyclohexyl ester					1						
962	2290	Crotonic acid, 4-cyclohexylcyclohexyl ester					1						
963	4116	Crotonic acid, 2-cyclohexylethyl ester					1						
964	22721	Crotonic acid, cyclopentyl ester					1						
965	5622	Crotonic acid, ethyl ester	2	2	2	1	1						
966	19910	Crotonic acid, 4-ethyl-1-methyloctyl ester					1	1					
967	19909	Crotonic acid, 1-ethylpentyl ester					1	1					
968	21543	Crotonic acid, heptyl ester	2		2	1	1	1		1	1	1	1
969	19821	Crotonic acid, 4-isopropylcyclohexyl ester					1	1		1	1		
970	19911	Crotonic acid, 2-(2-methoxyethoxy)ethyl ester					1	1					
971	19824	Crotonic acid, 4-methylcyclohexyl ester					1	1					
972	19908	Crotonic acid, 2-methylpentyl ester	1	1	3		1	1					
973	20929	Crotonic acid, piperonyl ester					1	1		1	2		
974	6127	Crotonic acid, propyl ester			1								
975	19822	Crotonic acid, tetrahydrofurfuryl ester					1	1					
976	21191	Crotonic acid, tetrahydropyran-2-ylmethyl ester					1	1					
977	20489	Cuminyl alcohol, *alpha*-allyl-, acetate	1	1	1	1	1	1					
978	21011	Cyclohexaneacetic acid, *alpha*-allyl-piperonyl ester	2			1	1	1					
979	18692	Cyclohexaneacetic acid, phenethyl ester					1						
980	19651	Cyclohexanebutyric acid, allyl ester	1	1	2		1	1					
981	19652	Cyclohexanebutyric acid. benzyl ester	1	1	1		1	1					
982	19650	Cyclohexanebutyric acid, cyclohexyl ester	1	1	1		1	1					
983	22730	Cyclohexanebutyric acid, cyclopentyl ester	1	1	2		1						
984	12154	Cyclohexanebutyric acid, ethyl ester	1	1	3		1						
985	14188	Cyclohexanebutyric acid, hexyl ester	1	1	1		1						
986	14191	Cyclohexanebutyric acid, isopropyl ester	1	1	2		1						
987	19696	Cyclohexanebutyric acid, 2-methoxyethyl ester	1	1	1		1	1		2	2		
988	13229	Cyclohexanebutyric acid, methyl ester					1						
989	18694	Cyclohexanebutyric acid, phenethyl ester					1						
990	19655	Cyclohexanebutyric acid, tetrahydrofurfuryl ester	1	1	1		1	1					
991	21010	Cyclohexanebutyric acid, 2-acetyl-3-oxo-, ethyl ester	1			1	1	1					
992	19784	Cyclohexanecarboxylic acid, allyl ester			1		1	1					
993	19661	Cyclohexanecarboxylic acid, benzyl ester			1		1	1					
994	4226	Cyclohexanecarboxylic acid, butyl ester			2		1		2	2	1		
995	4802	Cyclohexanecarboxylic acid, cyclohexyl ester			2		1						
996	22729	Cyclohexanecarboxylic acid, cyclopentyl ester			2		1						
997	19665	Cyclohexanecarboxylic acid, 3-heptyl ester			1		1	1					
998	19663	Cyclohexanecarboxylic acid, hexyl ester			1		1	1					

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
999	19658	Cyclohexanecarboxylic acid, isopropyl ester			2		1	1					
1000	19786	Cyclohexanecarboxylic acid, 2-methoxyethyl ester			1		1	1					
1001	19664	Cyclohexanecarboxylic acid, 3-pentyl ester			2								
1002	19662	Cyclohexanecarboxylic acid, phenethyl ester			1		1	1					
1003	19816	Cyclohexanecarboxylic acid, 3-phenylpropyl ester			1		1	1					
1004	19657	Cyclohexanecarboxylic acid, propyl ester			2		1	1					
1005	4230	Cyclohexanecarboxylic acid, tetrahydrofurfuryl ester			1								
1006	20189	Cyclohexanecarboxylic acid, 1-hydroxy-, allyl ester			1		1						
1007	20076	Cyclohexanecarboxylic acid, 1-hydroxy-, benzyl ester	1				1	1					
1008	20948	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-(2-butoxyethoxy)ethyl ester					1	1					
1009	6498	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-butoxyethyl ester					1						
1010	20073	Cyclohexanecarboxylic acid, 1-hydroxy-, butyl ester					1						
1011	6134	Cyclohexanecarboxylic acid, 1-hydroxy-, cyclohexyl ester					1						
1012	6133	Cyclohexanecarboxylic acid, 1-hydroxy-, cyclopentyl ester					1						
1013	6494	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-ethoxyethyl ester					1						
1014	20071	Cyclohexanecarboxylic acid, 1-hydroxy-, ethyl ester	1		1	1	1	1					
1015	6209	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-ethylbutyl ester					1						
1016	20600	Cyclohexanecarboxylic acid, 1-hydroxy-, heptyl ester					1	1					
1017	20494	Cyclohexanecarboxylic acid, 1-hydroxy-, hexyl ester				1	1	1					
1018	6203	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-hydroxyethyl ester					1						
1019	20074	Cycloehxanecarboxylic acid, 1-hydroxy-, isobutyl ester	1		2		1	1					
1020	6136	Cyclohexanecarboxylic acid, 1-hydroxy-, isopentyl ester					1						
1021	20072	Cyclohexanecarboxylic acid, 1-hydroxy-, isopropyl ester	3			1	1	1					
1022	20340	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-isopropylcyclohexyl ester					1	1					
1023	20344	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-methoxy-1-methylethyl ester	1	1	1	1	1	1					
1024	20070	Cyclohexanecarboxylic acid, 1-hydroxy-, methyl ester	1	1	1		1	1					
1025	20342	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-methylcyclohexyl ester				2	1	1					
1026	20343	Cyclohexanecarboxylic acid, 1-hydroxy-, 4-methylcyclohexyl ester	1	1	2	1	1	1					
1027	20599	Cyclohexanecarboxylic acid, 1-hydroxy-, octyl ester					1	1					
1028	20075	Cyclohexanecarboxylic acid, 1-hydroxy-, pentyl ester					1	1					
1029	20077	Cyclohexanecarboxylic acid, 1-hydroxy-, phenethyl ester	1			1	1	1					
1030	20188	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-propoxyethyl ester	1	1	1	1	1						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1031	6137	Cyclohexanecarboxylic acid, 1-hydroxy-, propyl ester	----	----	----	----	1	----	----	----	----	----	----
1032	6449	Cyclohexanecarboxylic acid, 1-hydroxy-, propyl ester, butyrate	----	----	----	----	1	----	----	----	----	----	----
1033	6448	Cyclohexanecarboxylic acid, 1-hydroxy-, propyl ester, propionate	----	----	----	----	1	----	----	----	----	----	----
1034	20341	Cyclohexanecarboxylic acid, 1-hydroxy-4-methyl-, methyl ester	1	----	1	1	1	1	----	----	----	----	----
1035	12218	Cyclohexanecarboxylic acid, 2-hydroxy-, isopentyl ester	----	----	----	----	1	----	----	----	----	----	----
1036	21624	Cyclohexanecarboxylic acid, 2-hydroxy-, methyl ester	1	----	1	----	1	1	----	----	----	1	1
1037	12224	Cyclohexanecarboxylic acid, 2-hydroxy-, pentyl ester	----	----	----	----	1	----	----	----	----	----	----
1038	21676	Cyclohexanecarboxylic acid, 4-hydroxy-2,6-dimethyl-, ethyl ester	----	----	1	1	1	1	----	----	----	1	1
1039	21701	Cyclohexanecarboxylic acid, 2-methyl-, benzyl ester	2	1	1	----	1	1	----	1	2	1	1
1040	21628	Cyclohexanecarboxylic acid, 2-methyl-, butyl ester	1	----	2	1	1	1	----	----	----	1	1
1041	21683	Cyclohexanecarboxylic acid, 2-methyl-, cyclohexyl ester	----	----	1	1	1	1	----	----	----	1	1
1042	21682	Cyclohexanecarboxylic acid, 2-methyl-, cyclopentyl ester	----	----	3	1	1	1	----	----	----	1	1
1043	21692	Cyclohexanecarboxylic acid, 2-methyl-, heptyl ester	1	----	1	----	1	1	----	2	1	1	1
1044	21684	Cyclohexanecarboxylic acid, 2-methyl-, isobutyl ester	----	----	2	1	1	1	----	----	----	1	1
1045	21686	Cyclohexanecarboxylic acid, 2-methyl-, isopentyl ester	----	----	2	----	1	1	----	1	1	1	1
1046	21629	Cyclohexanecarboxylic acid, 2-methyl-, isopropyl ester	1	----	3	----	1	----	----	----	----	1	1
1047	21691	Cyclohexanecarboxylic acid, 2-methyl-, 2-methoxyethyl ester	1	1	2	----	1	1	----	1	1	1	1
1048	21685	Cyclohexanecarboxylic acid, 2-methyl-, pentyl ester	----	----	1	1	1	1	----	----	----	1	1
1049	21568	Cyclohexanecarboxylic acid, 2-methyl-, propyl ester	1	----	----	1	1	1	----	----	----	1	1
1050	24748	1,2-Cyclohexanediol, 1-methyl-4-isopropenyl-, 2-acetate	----	----	1	----	1	----	----	----	1	----	----
1051	17442	Cyclohexaneëthanol, acetate	----	----	----	----	1	----	----	----	----	----	----
1052	19591	Cyclohexaneëthanol, benzoate	1	1	1	----	1	1	----	----	----	----	----
1053	18707	Cyclohexaneëthanol, formate	----	----	----	----	1	----	----	----	----	----	----
1054	22794	Cyclohexanehexanoic acid, allyl ester	1	1	1	----	1	----	----	----	----	----	----
1055	22799	Cyclohexanehexanoic acid, benzyl ester	2	1	1	----	1	----	----	----	----	----	----
1056	22803	Cyclohexanehexanoic acid, 2-butoxyethyl ester	1	1	1	----	1	----	----	----	----	----	----
1057	22800	Cyclohexanehexanoic acid, cyclohexyl ester	2	1	1	----	1	----	----	----	----	----	----
1058	22731	Cyclohexanehexanoic acid, cyclopentyl ester	2	1	1	----	1	----	----	----	----	----	----
1059	4109	Cyclohexanehexanoic acid, ethyl ester	1	1	1	----	1	----	----	----	----	----	----
1060	22797	Cyclohexanehexanoic acid, isopropyl ester	1	1	1	----	1	----	----	----	1	----	----
1061	18696	Cyclohexanehexanoic acid, phenethyl ester	----	----	----	----	1	----	----	----	----	----	----
1062	22796	Cyclohexanehexanoic acid, propyl ester	2	1	1	----	1	----	----	----	----	----	----
1063	22801	Cyclohexanehexanoic acid, 2-methoxyethyl ester	1	1	1	----	1	----	----	----	----	----	----
1064	22802	Cyclohexanehexanoic acid, tetrahydrofurfuryl ester	1	1	1	----	1	----	----	----	----	----	----
1065	23811	Cyclohexanepropionic acid, benzyl ester	1	1	2	----	1	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1066	23808	Cyclohexanepropionic acid, 2-butoxyethyl ester	1	1	1	----	1	----	----	----	----	----	----
1067	23807	Cyclohexanepropionic acid, cyclohexyl ester	1	1	1	----	1	----	----	----	----	----	----
1068	23815	Cyclohexanepropionic acid, cyclopentyl ester	1	1	2	----	1	----	----	----	----	----	----
1069	23806	Cyclohexanepropionic acid, 2-ethoxyethyl ester	1	1	1	----	1	----	----	----	----	----	----
1070	23812	Cyclohexanepropionic acid, 4-ethyl-1-methyloctyl ester	1	1	1	----	1	----	----	----	----	----	----
1071	23701	Cyclohexanepropionic acid, 1-ethylpropyl ester	1	1	1	----	1	----	----	----	----	----	----
1072	23805	Cyclohexanepropionic acid, hexyl ester	1	1	1	----	1	----	----	----	----	----	----
1073	23700	Cyclohexanepropionic acid, isopentyl ester	2	1	1	----	1	----	----	----	----	----	----
1074	23817	Cyclohexanepropionic acid, 4-methylcyclohexyl ester	1	1	2	----	1	----	----	----	----	----	----
1075	23699	Cyclohexanepropionic acid, pentyl ester	2	1	2	----	1	----	----	----	----	----	----
1076	18693	Cyclohexanepropionic acid, phenethyl ester	1	1	1	----	1	----	----	----	----	----	----
1077	23813	Cyclohexanepropionic acid, 2-phenoxyethyl ester	1	1	1	----	1	----	----	----	----	----	----
1078	23816	Cyclohexanepropionic acid, 3-phenylpropyl ester	1	1	2	----	1	----	----	----	----	----	----
1079	23809	Cyclohexanepropionic acid, 2-propynyl ester	1	1	3	----	1	----	----	----	----	----	----
1080	23810	Cyclohexanepropionic acid, tetrahydrofurfuryl ester	1	1	1	----	1	----	----	----	----	----	----
1081	19648	Cyclohexanevaleric acid, ethyl ester	1	1	2	----	1	1	----	----	----	----	----
1082	30436	Cyclohexanol, formate	1	----	1	1	1	----	----	----	----	----	----
1083	18262	Cyclohexanol, 2-*sec*-butyl-, acetate	1	----	1	1	1	----	----	----	----	----	----
1084	18712	Cyclohexanol, 2-*sec*-butyl-, formate	----	----	----	----	1	----	----	----	----	----	----
1085	18312	Cyclohexanol, 4-*sec*-butyl-, acetate	----	----	----	----	1	----	----	----	----	----	----
1086	30518	Cyclohexanol, 4-*sec*-butyl-, benzoate	1	----	1	1	1	----	----	----	----	1	1
1087	18713	Cyclohexanol, 4-*sec*-butyl-, formate	----	----	----	----	1	----	----	----	----	----	----
1088	30599	Cyclohexanol, 4-*tert*-butyl-, benzoate	----	----	----	----	1	----	----	----	----	----	----
1089	30461	Cyclohexanol, 4-*tert*-butyl-, formate	1	----	2	1	1	----	----	----	----	1	1
1090	18336	Cyclohexanol, 2-cyclohexyl-, acetate	----	----	----	----	1	----	----	----	----	----	----
1091	30462	Cyclohexanol, 2-cyclohexyl-, formate	1	----	2	1	1	----	----	----	----	1	1
1092	30463	Cyclohexanol, 4-cyclohexyl-, formate	1	----	2	2	1	----	----	----	----	1	1
1093	18260	Cyclohexanol, 2-isopropyl-, acetate	3	----	1	1	1	----	----	----	----	----	----
1094	19609	Cyclohexanol, 2-isopropyl-, benzoate	----	----	----	----	1	1	----	----	----	----	----
1095	18710	Cyclohexanol, 2-isopropyl-, formate	----	----	----	----	1	----	----	----	----	----	----
1096	18258	Cyclohexanol, 4-isopropyl-, acetate	1	----	----	1	1	----	----	1	1	----	----
1097	19597	Cyclohexanol, 4-isopropyl-, benzoate	----	----	----	----	1	1	----	----	----	----	----
1098	18708	Cyclohexanol, 4-isopropyl-, formate	----	----	----	----	1	----	----	----	----	----	----
1099	19604	Cyclohexanol, 2-methyl-, benzoate	1	1	3	----	1	1	----	----	----	----	----
1100	30441	Cyclohexanol, 2-methyl-, formate	1	----	1	1	1	----	----	----	----	----	----
1101	17734	Cyclohexanol, 4-methyl-, acetate	----	----	----	----	1	----	----	----	----	----	----
1102	18705	Cyclohexanol, 4-methyl-, formate	----	----	----	----	1	----	----	----	----	----	----
1103	5859	Cyclohexanol, 2-phenyl-, acetate	2	----	----	1	1	----	----	----	----	----	----
1104	6535	2-Cyclohexene-1-carboxylic acid, 2,6-dimethyl-4-oxo-, ethyl ester	2	----	1	1	1	----	----	----	----	----	----
1105	21625	3-Cyclohexene-1-carboxylic acid, 1-methylpropyl ester	1	----	1	----	1	1	----	----	----	----	----
1106	21620	3-Cyclohexene-1-carboxylic acid, propyl ester	2	----	2	1	1	1	----	----	----	----	----
1107	21741	3-Cyclohexene-1-carboxylic acid, 3,4-dimethyl-, propyl ester	2	----	3	1	1	1	----	----	----	----	----
1108	24871	3-Cyclohexene-1-carboxylic acid, 6-methoxy-, ethyl ester	2	----	1	1	1	----	----	2	1	----	----
1109	24972	3-Cyclohexene-1-carboxylic acid, 1-methyl-, *sec*-butyl ester	1	----	1	1	1	----	----	1	1	1	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1110	21742	3-Cyclohexene-1-carboxylic acid, 1-methyl-, isopropyl ester	2	----	2	----	1	1	----	----	----	----	----
1111	21477	3-Cyclohexene-1-carboxylic acid, 6-methyl-, allyl ester	----	----	2	----	1	1	----	----	----	1	1
1112	21343	3-Cyclohexene-1-carboxylic acid, 6-methyl-, benzyl ester	1	----	1	1	1	1	----	----	----	----	----
1113	21354	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-butoxyethyl ester	----	----	1	----	1	1	----	----	----	----	----
1114	21344	3-Cyclohexene-1-carboxylic acid, 6-methyl-, butyl ester	1	----	2	1	1	1	----	----	----	----	----
1115	21486	3-Cyclohexene-1-carboxylic acid, 6-methyl-, *sec*-butyl ester	----	----	3	----	1	1	----	----	----	1	1
1116	21611	3-Cyclohexene-1-carboxylic acid, 6-methyl-, *tert*-butyl ester	1	----	1	2	----	1	----	----	----	1	1
1117	21496	3-Cyclohexene-1-carboxylic acid, 6-methyl-, cyclohexyl ester	----	----	2	----	1	1	----	----	----	1	1
1118	21613	3-Cyclohexene-1-carboxylic acid, 6-methyl-, cyclopentyl ester	1	----	3	2	1	1	----	----	----	1	1
1119	21841	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1,3-dimethylbutyl ester	3	----	2	1	----	1	----	----	----	1	1
1120	21614	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1,1-dimethylpropyl ester	1	----	2	----	----	----	----	----	----	1	1
1121	21480	3-Cyclohexene-1-carboxylic acid, 6-methyl-, ethyl ester	----	----	3	----	1	1	----	----	----	1	1
1122	21488	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-ethylbutyl ester	----	----	2	2	1	1	----	----	----	1	1
1123	21800	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-ethylhexyl ester	1	----	1	1	----	1	----	----	----	1	1
1124	21801	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1-ethylpentyl ester	1	----	1	1	1	1	----	----	1	1	1
1125	21489	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1-ethylpropyl ester	----	----	3	----	1	1	----	----	----	----	----
1126	21498	3-Cyclohexene-1-carboxylic acid, 6-methyl-, heptyl ester	1	----	----	1	1	1	----	----	----	1	1
1127	21487	3-Cyclohexene-1-carboxylic acid, 6-methyl-, hexyl ester	----	----	1	----	1	1	----	----	----	1	1
1128	21485	3-Cyclohexene-1-carboxylic acid, 6-methyl-, isobutyl ester	----	----	3	1	1	1	----	----	----	1	1
1129	21842	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1-isobutyl-3-methylbutyl ester	1	----	1	1	----	1	----	----	2	1	1
1130	21495	3-Cyclohexene-1-carboxylic acid, 6-methyl-, isopentyl ester	----	----	2	1	1	1	----	----	----	1	1
1131	21478	3-Cyclohexene-1-carboxylic acid, 6-methyl-, isopropyl ester	----	----	2	----	1	1	1	1	2	1	1
1132	21350	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-methoxyethyl ester	1	----	1	1	1	1	----	----	----	1	1
1133	31594	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-methoxy-1-methylethyl ester	1	1	2	1	----	----	----	----	----	----	----
1134	21479	3-Cyclohexene-1-carboxylic acid, 6-methyl-, methyl ester	----	----	2	----	1	1	----	----	----	1	1
1135	31593	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1-methylbutyl ester	1	1	2	1	----	----	----	----	----	----	----
1136	21846	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-methylcyclohexyl ester	3	----	2	1	----	1	----	----	----	1	1
1137	21844	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1-methylheptyl ester	2	----	1	1	----	1	----	----	----	1	1
1138	21497	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-methylpentyl ester	1	----	1	1	1	1	----	----	----	1	2
1139	21481	3-Cyclohexene-1-carboxylic acid, 6-methyl-, pentyl ester	----	----	2	1	1	1	----	----	----	1	1

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1140	21848	3-Cyclohexene-1-carboxylic acid, 6-methyl-, phenethyl ester	1	----	1	1	----	1	----	----	----	1	1
1141	21345	3-Cyclohexene-1-carboxylic acid, 6-methyl-, propyl ester	1	----	2	1	1	1	----	----	----	--------	--------
1142	21484	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-propynyl ester	----	----	2	----	1	1	----	----	----	1	1
1143	21843	3-Cyclohexene-1-carboxylic acid, 6-methyl-, tetrahydrofurfuryl ester	2	----	1	1	1	1	----	----	----	1	1
1144	21674	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, bis(2-propynyl) ester	2	1	1	----	1	1	----	----	----	1	1
1145	22280	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, diallyl ester	2	1	1	----	1	----	----	----	----	--------	--------
1146	21670	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, dibutyl ester	1	1	1	----	1	1	----	----	----	1	1
1147	8986	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, diethyl ester	1	1	1	----	----	----	----	----	----	--------	--------
1148	21673	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, diisobutyl ester	1	1	1	----	1	1	----	----	----	1	1
1149	3898	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, diisopropyl ester	1	1	1	2	1	----	----	----	----	--------	--------
1150	3408	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, dimethyl ester	1	1	1	----	----	----	----	----	----	--------	--------
1151	21669	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, dipropyl ester	1	1	1	1	1	1	----	----	----	1	1
1152	20786	3-Cyclohexene-1-glycolic acid, 6-methyl-, butyl ester	----	----	----	----	1	1	----	----	----	--------	--------
1153	20785	3-Cyclohexene-1-glycolic acid, 6-methyl-, propyl ester	----	----	----	----	1	1	----	----	----	--------	--------
1154	21729	2-Cyclohexene-1-hexanoic acid, allyl ester	1	----	1	----	1	1	----	2	1	1	1
1155	30667	2-Cyclohexene-1-hexanoic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	2	1	----	----	----	----	--------	--------
1156	30666	2-Cyclohexene-1-hexanoic acid, 2-butoxyethyl ester	2	1	1	1	1	----	----	----	----	--------	--------
1157	21708	2-Cyclohexene-1-hexanoic acid, butyl ester	1	----	1	2	1	1	----	1	1	1	1
1158	30661	2-Cyclohexene-1-hexanoic acid, *sec*-butyl ester	1	1	1	1	1	----	----	----	----	--------	--------
1159	21709	2-Cyclohexene-1-hexanoic acid, ethyl ester	1	----	1	2	1	1	----	1	1	1	1
1160	30665	2-Cyclohexene-1-hexanoic acid, 1-ethylpropyl ester	2	1	1	1	----	----	----	----	----	1	1
1161	21710	2-Cyclohexene-1-hexanoic acid, isobutyl ester	1	----	1	1	1	1	----	1	1	1	1
1162	21703	2-Cyclohexene-1-hexanoic acid, isopropyl ester	1	----	1	1	1	1	----	1	1	1	1
1163	21731	2-Cyclohexene-1-hexanoic acid, 2-methoxyethyl ester	1	1	1	----	1	1	----	1	1	1	1
1164	21707	2-Cyclohexene-1-hexanoic acid, methyl ester	1	----	1	2	1	1	----	2	1	1	1
1165	30664	2-Cyclohexene-1-hexanoic acid, pentyl ester	1	1	2	2	1	----	----	----	----	--------	--------
1166	21702	2-Cyclohexene-1-hexanoic acid, propyl ester	1	----	1	1	1	1	----	1	2	1	1
1167	21734	2-Cyclohexene-1-hexanoic acid, 2-propynyl ester	1	----	1	1	1	1	----	1	1	--------	--------
1168	21738	3-Cyclohexene-1-methanol, 1-methyl-, benzoate	1	----	1	1	1	1	----	----	----	--------	--------
1169	21914	3-Cyclohexene-1-methanol, 6-methyl-, acetate	1	----	3	1	1	1	----	----	----	1	1
1170	30099	3-Cyclohexene-1-methanol, *alpha,alpha,*-6-trimethyl-, acetate	1	1	3	1	1	1	----	----	----	1	1

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1171	19919	Cyclopentanecarboxylic acid, allethrolonyl ester	----	----	----	----	1	1	----	----	----	--------	--------
1172	21745	Cyclopentanecarboxylic acid, 1-hydroxy-, allyl ester	1	----	1	1	1	1	----	----	----	--------	--------
1173	21750	Cyclopentanecarboxylic acid, 1-hydroxy-, benzyl ester	1	----	1	1	1	1	----	----	----	1	1
1174	21736	Cyclopentanecarboxylic acid, 1-hydroxy-, butyl ester	1	----	1	1	1	1	----	----	----	--------	--------
1175	6138	Cyclopentanecarboxylic acid, 1-hydroxy-, cyclohexyl ester	1	----	1	1	1	----	----	----	----	--------	--------
1176	6139	Cyclopentanecarboxylic acid, 1-hydroxy-, cylopentyl ester	1	----	1	1	1	----	----	----	----	--------	--------
1177	21748	Cyclopentanecarboxylic acid, 1-hydroxy-, ethyl ester	1	----	1	1	1	1	----	----	----	--------	--------
1178	21751	Cyclopentanecarboxylic acid, 1-hydroxy-, heptyl ester	1	----	1	1	1	1	----	----	----	--------	--------
1179	21744	Cyclopentanecarboxylic acid, 1-hydroxy-, isobutyl ester	2	----	1	1	1	1	----	----	----	--------	--------
1180	21735	Cyclopentanecarboxylic acid, 1-hydroxy-, isopropyl ester	1	----	1	1	1	1	----	----	----	--------	--------
1181	21747	Cyclopentanecarboxylic acid, 1-hydroxy-, 2-methoxyethyl ester	1	----	1	1	1	1	----	----	----	--------	--------
1182	21749	Cyclopentanecarboxylic acid, 1-hydroxy-, methyl ester	1	----	1	1	1	1	----	----	----	--------	--------
1183	6141	Cyclopentanecarboxylic acid, 1-hydroxy-, propyl ester	1	----	1	1	1	----	----	----	----	--------	--------
1184	21754	Cyclopentanecarboxylic acid, 2-oxo-, allyl ester	1	----	1	----	1	1	----	----	----	--------	--------
1185	6472	Cyclopentanecarboxylic acid, 2-oxo-, cyclopentyl ester	1	----	1	1	1	----	----	1	2	--------	--------
1186	21753	Cyclopentanecarboxylic acid, 2-oxo-, isobutyl ester	2	----	1	----	1	1	----	1	1	--------	--------
1187	21752	Cyclopentanecarboxylic acid, 2-oxo-, pentyl ester	2	----	1	----	1	1	----	----	----	--------	--------
1188	21571	1-Cyclopentene-1-carboxylic acid, propyl ester	----	----	1	1	1	1	----	----	----	1	1
1189	21574	Cyclopropanecarboxylic acid, 3-isobutyl-2,2-dimethyl-, 2,4-dimethylbenzyl ester	----	----	----	----	1	1	----	----	----	--------	--------
1190	21531	Cyclopropanecarboxylic acid, 3-isobutyl-2,2-dimethyl-, *p*-ethoxybenzyl ester	----	----	----	----	1	1	----	----	----	--------	--------
1191	21466	Cyclopropanecarboxylic acid, 3-isobutyl-2,2-dimethyl-, ethyl ester	1	----	----	1	1	1	----	----	----	1	1
1192	21500	Cyclopropanecarboxylic acid, 3-isobutyl-2,2-dimethyl-, *m*-propoxybenzyl ester	----	----	----	----	1	1	----	----	----	--------	--------
1193	31384	Cyclopropanemethanol, 2,2-dimethyl-3-(2-methylpropenyl)-, acetate	1	1	2	1	----	----	----	----	----	--------	--------
1194	31386	Cyclopropanemethanol, 2,2-dimethyl-3-(2-methylpropenyl)-, benzoate	1	1	1	1	----	----	----	----	----	--------	--------
1195	31413	Cyclopropanemethanol, 2,2-dimethyl-3-(2-methylpropenyl)-, formate	2	2	3	1	----	----	----	----	----	--------	--------
1196	1976	Decanoic acid, ethyl ester	1	----	1	----	----	----	----	----	----	--------	--------
1197	1458	Diethylene glycol, diacetate	1	1	----	----	----	----	----	----	----	--------	--------
1198	24971	Dimethyl ester of adduct of acrylic acid and conjugated linoleic acid	1	1	1	1	----	----	----	----	----	--------	--------
1199	22683	*m*-Dioxane-2-acetic acid, 2,4-dimethyl-, ethyl ester	----	----	----	1	1	1	1	----	2	--------	--------
1200	31532	*m*-Dioxane-2-propionic acid, 2,4,5,5-tetramethyl-, ethyl ester	1	1	1	1	----	----	----	----	----	--------	--------
1201	31185	Dioxaspiro[4.4]nonane-2-methanol, acetate	1	2	2	2	----	----	----	----	----	1	1
1202	31183	1,3-Dioxolane-4-methanol, 2-benzyl-, acetate	1	1	1	1	----	----	----	----	----	1	1

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1203	31233	1,3-Dioxolane-4-methanol, 2-benzyl-2-methyl-, acetate	2	1	1	2	----	----	----	----	----	1	1
1204	31227	1,3-Dioxolane-4-methanol, 2-ethyl-2-methyl-, acetate	2	1	1	1	----	----	----	----	----	1	1
1205	31814	1,3-Dioxolane-4-methanol, 2-(*p*-methoxyphenethyl)-2-methyl-, acetate	1	1	1	----	----	----	----	----	----	----	----
1206	31228	1,3-Dioxolane-4-methanol, 2-(*p*-methoxyphenyl)-2-methyl-, acetate	1	2	1	1	----	----	----	----	----	1	1
1207	31166	1,3-Dioxolane-4-methanol, 2-(6-methyl-3-cyclohexen-1-yl)-, acetate	1	1	1	1	----	----	----	----	----	1	1
1208	31360	1,3-Dioxolane-4-methanol, 2-(3,4-methylenedioxyphenyl)-, acetate	1	1	1	1	----	----	----	----	----	1	1
1209	31208	1,3-Dioxolane-4-methanol, 2-methyl-2-phenyl-, acetate	1	1	1	1	----	----	----	----	----	1	1
1210	31164	1,3-Dioxolane-4-methanol, 2-phenyl-, acetate	1	1	1	1	----	----	----	----	----	1	1
1211	22808	1,3-Dioxolane-4-methanol, 2-propenyl-, acetate	----	----	----	----	1	----	----	----	----	----	----
1212	31182	1,3-Dioxolane-4-methanol, 2-styryl-, acetate	1	1	1	1	----	----	----	----	----	1	1
1213	31186	1,3-Dioxolane-4-methanol, 2-*p*-tolyl-, acetate	1	1	1	1	----	----	----	----	----	1	1
1214	6381	1,3-Dioxolane-2-propionic acid, 2-methyl-, cyclohexyl ester	1	1	2	1	----	----	----	----	----	----	----
1215	25089	1,6,10-Dodecatrien-3-ol, 3,7,11-trimethyl-, acetate	1	----	1	1	1	----	----	2	1	----	----
1216	5909	Dodecyl alcohol, formate	1	----	----	----	----	----	----	----	----	----	----
1217	20593	Enanthic acid, 2-hydroxy-4,6,6-trimethyl-, ethyl ester	2	1	1	1	1	----	----	----	----	----	----
1218	18220	Esculetin, 4-methyl-	1	----	----	1	----	----	----	----	----	----	----
1219	24218	1,1-Ethanediol, diacetate	1	2	----	----	----	----	----	----	----	----	----
1220	30512	Ethanol, 2-butoxy-, benzoate	1	----	1	1	1	----	----	----	----	1	1
1221	30447	Ethanol, 2-butoxy-, formate	1	----	1	1	1	----	----	----	----	----	----
1222	30576	Ethanol, 2-(2-butoxyethoxy)-, benzoate	1	1	1	1	1	----	----	----	----	----	----
1223	30435	Ethanol, 2-(2-butoxyethoxy)-, formate	1	----	1	1	1	----	----	----	----	----	----
1224	2094	Ethanol, 2-(*p*-*tert*-butylphenoxy)-, acetate	----	----	----	----	1	----	----	----	----	----	----
1225	1955	Ethanol, 2-ethoxy-, acetate	2	2	1	1	----	1	----	----	----	----	----
1226	30508	Ethanol, 2-ethoxy-, benzoate	1	----	1	1	1	----	----	----	----	1	1
1227	30507	Ethanol, 2-methoxy-, benzoate	1	----	1	1	1	----	----	----	----	1	1
1228	31407	Ethanol, 3,4-methylenedioxyphenoxy-, acetate	1	1	1	1	----	----	----	----	----	----	----
1229	404	Ethyl acetate	1	----	----	----	----	----	----	----	----	----	----
1230	407	Ethyl formate	1	----	----	----	----	----	----	----	----	----	----
1231	8223	Ethylene glycol, diacetate	2	2	----	----	----	----	----	----	----	----	----
1232	15351	Ethylene glycol, diformate	1	2	----	----	----	----	----	----	----	----	----
1233	1780	Eugenol, acetate	3	2	2	----	1	----	----	----	----	----	----
1234	17540	Fenchyl alcohol, acetate	----	----	----	----	1	----	2	1	1	----	----
1235	30489	Fenchyl alcohol, formate	1	----	1	1	1	----	----	----	----	1	1
1236	24238	Formic acid, allyl ester	2	2	----	----	----	----	----	----	----	----	----
1237	2951	Formic acid, benzyl ester	1	1	1	1	----	----	----	----	----	----	----
1238	30443	Formic acid, decyl ester	1	----	1	1	1	----	----	----	----	----	----
1239	24239	Formic acid, ester with citronellol	1	----	1	----	----	----	----	----	----	----	----
1240	21529	Formic acid, heptyl ester	----	----	1	1	----	1	----	----	----	1	1
1241	24240	Formic acid, isobutyl ester	1	1	1	1	----	1	----	----	----	----	----
1242	15291	Formic acid, isopentyl ester	1	1	1	1	----	----	----	----	----	----	----
1243	2941	Formic acid, *p*-methoxybenzyl ester	1	1	1	1	----	----	----	----	----	----	----
1244	21875	Formic acid, *m*-methylbenzyl ester	1	----	2	1	----	1	----	----	----	----	----
1245	30585	Formic acid, nonyl ester	1	1	2	1	1	----	----	----	----	----	----
1246	18706	Formic acid, octyl ester	1	1	3	----	1	----	2	2	1	----	----
1247	24242	Formic acid, pentyl ester	2	----	1	----	----	----	----	----	----	----	----
1248	18542	Formic acid, phenethyl ester	1	1	2	1	----	----	----	----	----	----	----
1249	24243	Formic acid, propyl ester	1	1	----	----	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1250	30498	Formic acid, tetradecyl ester	1	----	1	1	1	----	----	----	----	1	1
1251	30729	Formic acid, undecyl ester	2	1	2	1	1	----	----	----	----	----	----
1252	5613	Fumaric acid, diethyl ester	1	1	----	----	----	----	----	----	----	----	----
1253	5863	2-Furanacrylic acid, 2-ethoxyethyl ester	1	1	1	1	----	----	----	----	----	----	----
1254	14772	2-Furanacrylic acid, ethyl ester	1	1	1	1	----	----	----	----	----	----	----
1255	11016	Furfuryl alcohol, acetate	1	2	1	1	----	----	----	----	----	----	----
1256	21209	Furfuryl alcohol, tetrahydro-, acetate	1	----	----	1	1	1	----	----	----	----	----
1257	30486	Furfuryl alcohol, tetrahydro-, formate	1	----	1	1	1	----	----	----	----	1	1
1258	17136	Gallic acid, propyl ester	1	----	1	----	1	----	----	----	----	----	----
1259	24434	Gentisic acid, propyl ester	----	----	----	1	1	1	----	----	----	----	----
1260	24436	Gentisic acid, x-*tert*-butyl-, propyl ester	----	----	----	1	1	1	----	----	----	----	----
1261	207	Geraniol, acetate	1	----	1	1	----	1	2	----	----	1	1
1262	1978	Geraniol, formate	3	1	1	1	----	----	----	----	----	----	----
1263	5633	Glutaric acid, 3-oxo-, dimethyl ester	1	----	----	1	----	----	----	----	----	----	----
1264	31150	Glycerol, monoöleate	1	1	1	1	1	----	----	----	----	----	----
1265	7356	Glycidic acid, 3-phenyl-, ethyl ester	1	1	3	----	----	----	----	----	----	----	----
1266	10032	Guaiacol, acetate	3	2	----	----	----	----	----	----	----	----	----
1267	10569	Guaiacol, benzoate	1	1	----	----	----	----	----	----	----	----	----
1268	20067	Guaiacol, propionate	----	----	----	----	1	1	1	1	1	----	----
1269	24232	Guaiol, acetate	1	----	----	----	----	----	----	----	----	----	----
1270	30742	Heptanoic acid, benzyl ester	1	1	2	1	1	----	----	----	----	----	----
1271	30745	Heptanoic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	2	1	1	----	----	----	----	----	----
1272	30750	Heptanoic acid, 2-butoxyethyl ester	1	1	1	1	1	----	----	----	----	----	----
1273	30738	Heptanoic acid, buttyl ester	2	1	1	1	1	----	----	----	----	----	----
1274	30743	Heptanoic acid, cyclohexyl ester	1	1	2	1	1	----	----	----	----	----	----
1275	30749	Heptanoic acid, cyclopentyl ester	1	1	1	1	1	----	----	----	----	----	----
1276	24251	Heptanoic acid, ethyl ester	1	2	1	1	----	----	----	----	----	----	----
1277	30748	Heptanoic acid, phenethyl ester	1	1	1	1	1	----	----	----	----	----	----
1278	30737	Heptanoic acid, propyl ester	2	1	1	1	1	----	----	----	----	----	----
1279	30744	Heptanoic acid, tetrahydrofurfuryl ester	1	1	2	1	1	----	----	----	----	----	----
1280	30493	1-Heptanol, 1-methyl-, formate	1	----	1	1	1	----	----	----	----	1	1
1281	31354	1-Heptanol, 2-propyl-, benzoate	2	2	2	1	----	----	----	----	----	----	----
1282	30526	5-Heptenoic acid, 2-acetyl-3-oxo-, ethyl ester	3	1	1	1	1	----	----	----	----	----	----
1283	30537	6-Heptenoic acid, 2-allyl-3-oxo-, ethyl ester	2	1	1	2	----	----	----	----	----	----	----
1284	32583	1,2-Hexadecanediol, 2-acetate	----	----	----	----	2	----	----	----	----	----	----
1285	31758	1,2-Hexadecanediol, 1-benzoate	1	1	1	1	1	----	----	----	----	----	----
1286	31791	1,2-Hexadecanediol, 2-benzoate	1	1	1	1	1	----	----	----	----	----	----
1287	31784	1,2-Hexadecanediol, dibenzoate	----	----	----	1	1	----	----	----	----	----	----
1288	30487	1,3-Hexanediol, 2-ethyl-, diformate	1	----	1	1	1	----	----	----	----	1	1
1289	19606	2,5-Hexanediol, dibenzoate	1	1	1	----	1	1	----	----	----	----	----
1290	2950	Hexanoic acid, allyl ester	1	----	1	1	----	----	----	----	----	----	----
1291	20139	Hexanoic acid, *alpha*-allylpiperonyl ester	----	----	----	----	1	1	----	----	----	----	----
1292	31023	Hexanoic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	1	----	----	----	----	----	----
1293	31070	Hexanoic acid, 4-*tert*-butylcyclohexyl ester	1	1	2	1	1	----	----	----	----	----	----
1294	31063	Hexanoic acid, 4-cyclohexylcyclohexyl ester	2	1	2	2	1	----	----	----	----	----	----
1295	22081	Hexanoic acid, 2-cyclohexylethyl ester	----	----	----	----	1	1	----	----	----	----	----
1296	22715	Hexanoic acid, cyclopentyl ester	----	----	----	----	1	----	----	----	----	----	----
1297	22075	Hexanoic acid, diester with 1,4-butanediol	----	----	----	----	1	1	----	----	----	----	----
1298	31780	Hexanoic acid, diester with 1,2-hexadecanediol	1	1	2	1	1	----	----	----	----	----	----
1299	31744	Hexanoic acid, diester with 1,12-octadecanediol	1	1	1	2	1	----	----	----	----	----	----
1300	6334	Hexanoic acid, diester with 1,2-propanediol	1	1	1	1	1	----	----	----	----	----	----
1301	5741	Hexanoic acid, ester with guaiacol	2	1	----	----	----	----	----	----	----	----	----
1302	15347	Hexanoic acid, ethyl ester	1	----	1	----	----	1	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1303	22079	Hexanoic acid, 4-ethyl-1-methyloctyl ester	----	----	----	----	1	1	----	----	----	----	----
1304	22080	Hexanoic acid, 1-ethylpentyl ester	----	----	----	----	1	1	----	----	----	----	----
1305	22082	Hexanoic acid, 1-ethylpropyl ester	----	----	----	----	1	1	----	----	----	----	----
1306	20983	Hexanoic acid, eugenyl ester	2	----	----	1	----	1	----	----	----	----	----
1307	31118	Hexanoic acid, heptyl ester	1	1	2	1	----	----	----	----	----	----	----
1308	31767	Hexanoic acid, 1-hexyl-12-hydroxydodecyl ester	1	1	1	1	1	----	----	----	----	----	----
1309	13204	Hexanoic acid, 2-(2-hydroxyethoxy)-ethyl ester	----	----	----	----	1	----	----	----	----	----	----
1310	31751	Hexanoic acid, 2-hydroxyhexadecyl ester	1	1	1	1	1	----	----	----	----	----	----
1311	31787	Hexanoic acid, 1-(hydroxymethyl)pentadecyl ester	1	1	1	1	1	----	----	----	----	----	----
1312	31736	Hexanoic acid, 12-hydroxyoctadecyl ester	1	1	1	2	1	----	----	----	----	----	----
1313	6351	Hexanoic acid, 5-hydroxypentyl ester	1	1	1	1	----	----	----	----	----	----	----
1314	24254	Hexanoic acid, isobutyl ester	1	----	1	----	----	1	----	----	----	----	----
1315	20984	Hexanoic acid, isoeugenyl ester	2	----	----	1	----	1	----	----	----	----	----
1316	573	Hexanoic acid, isopentyl ester	1	----	1	----	----	----	----	----	----	----	----
1317	31077	Hexanoic acid, 2-isopropylcyclohexyl ester	2	1	1	1	1	----	----	----	----	----	----
1318	31071	Hexanoic acid, 4-isopropylcyclohexyl ester	2	1	2	2	1	----	----	----	----	----	----
1319	22076	Hexanoic acid, 2-(2-methoxyethoxy)-ethyl ester	----	----	----	----	1	1	----	----	----	----	----
1320	2710	Hexanoic acid, 2-methoxyethyl ester	----	----	----	----	1	----	2	1	1	----	----
1321	31014	Hexanoic acid, 3-methoxyethyl ester	1	1	1	1	1	----	----	----	----	----	----
1322	22358	Hexanoic acid, 2-methoxy-1-methylethyl ester	----	----	----	----	1	----	----	----	----	----	----
1323	31065	Hexanoic acid, 2-methylcyclohexyl ester	1	1	1	1	1	----	----	----	----	----	----
1324	22083	Hexanoic acid, 4-methylcyclohexyl ester	----	----	----	----	1	1	----	----	----	----	----
1325	22398	Hexanoic acid, 1-methyl-2-phenoxyethyl ester	----	----	----	----	1	----	----	----	----	----	----
1326	6030	Hexanoic acid, pentyl ester	2	----	2	----	----	1	----	----	----	----	----
1327	22073	Hexanoic acid, phenethyl ester	----	----	----	----	1	1	----	----	----	----	----
1328	22357	Hexanoic acid, 3-(3-phenoxypropoxy)-propyl ester	----	----	----	----	1	----	----	----	----	----	----
1329	18699	Hexanoic acid, 3-phenylpropyl ester	----	----	----	----	1	----	----	----	----	----	----
1330	22339	Hexanoic acid, 2-propynyl ester	----	----	----	----	1	----	----	----	----	----	----
1331	21181	Hexanoic acid, tetrahydropyran-2-ylmethyl ester	1	----	----	1	----	1	----	----	----	----	----
1332	24255	Hexanoic acid, vinyl ester	2	1	----	----	----	----	----	----	----	----	----
1333	2543	Hexanoic acid, 2-acetyl-, ethyl ester	1	1	1	1	----	1	----	----	----	----	----
1334	7443	Hexanoic acid, 2,3-epoxy-3-methyl-, cyclohexyl ester	1	1	1	1	1	----	----	----	----	----	----
1335	7950	Hexanoic acid, 2-ethyl-, butyl ester	----	----	----	----	1	----	----	----	----	----	----
1336	24890	Hexanoic acid, 2-ethyl-, vinyl ester	1	----	3	1	1	----	----	2	1	----	----
1337	25038	Hexanoic acid, 3-hydroxy-, butyl ester	1	1	1	1	----	----	----	----	----	----	----
1338	30460	1-Hexanol, 2-ethyl-, formate	1	1	2	1	1	----	----	----	----	1	1
1339	24776	2-Hexenoic acid, 3,5-dimethyl-, methyl ester	1	----	1	----	----	----	----	----	1	----	----
1340	24256	4-Hexenoic acid, 3-oxo-, octyl ester	1	1	1	----	----	----	----	----	----	----	----
1341	30538	5-Hexenoic acid, ethyl ester	1	1	1	1	1	----	----	----	----	----	----
1342	24257	Hydracrylic acid, *beta*-lactone	1	----	----	----	----	----	----	----	----	----	----
1343	6220	Hydracrylic acid, *beta*-phenyl-, methyl ester	----	----	----	----	1	----	----	----	----	----	----
1344	7121	Hydrocinnamic acid, *alpha,beta*-epoxy-*beta*-methyl-, allyl ester	2	1	1	1	----	----	----	----	----	----	----
1345	7198	Hydrocinnamic acid, *alpha,beta*-epoxy-*beta*-methyl-, 2-ethoxyethyl ester	----	----	----	----	1	----	----	----	----	----	----
1346	24744	Hydrocoumarin, 6-methyl-	----	----	1	----	1	----	----	----	1	----	----
1347	11162	Hydroquinone, diacetate	1	1	1	1	----	----	----	----	----	----	----
1348	31148	Isoalantolactone	----	----	----	----	1	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1349	21626	Isobutyric acid, allyl ester	----	----	1	----	----	1	1	1	2	1	1
1350	2944	Isobutyric acid, benzyl ester	1	1	2	1	----	----	----	----	----	----	----
1351	21635	Isobutyric acid, 2-(2-butoxyethoxy)-ethyl ester	----	----	1	1	----	1	----	----	----	1	1
1352	21634	Isobutyric acid, 2-butoxyethyl ester	----	----	1	1	----	1	----	----	----	1	1
1353	24261	Isobutyric acid, butyl ester	1	----	2	----	----	----	----	----	----	----	----
1354	19818	Isobutyric acid, 2-*sec*-butylcyclohexyl ester	1	----	2	----	----	1	----	----	----	----	----
1355	19795	Isobutyric acid, 4-*sec*-butylcyclohexyl ester	2	----	1	----	----	1	----	----	----	----	----
1356	30488	Isobutyric acid, 4-*tert*-butylcyclohexyl ester	1	----	1	1	1	----	----	----	----	1	1
1357	21663	Isobutyric acid, 2-butyloctyl ester	----	----	1	1	----	1	----	----	----	1	1
1358	30368	Isobutyric acid, 2-(*o*-*sec*-butylphenoxy)-1-methylethyl ester	1	----	1	1	1	----	----	----	----	----	----
1359	30372	Isobutyric acid, 2-(*p*-*sec*-butylphenoxy)-1-methylethyl ester	1	----	1	1	1	----	----	----	----	----	----
1360	21588	Isobutyric acid, *p*-*tert*-butylphenyl ester	1	----	----	1	----	1	----	----	----	1	1
1361	24262	Isobutyric acid, cinnamyl ester	1	----	----	----	----	----	----	----	----	----	----
1362	30464	Isobutyric acid, 2-cyclohexylcyclohexyl ester	1	----	2	1	1	----	----	----	----	1	1
1363	30465	Isobutyric acid, 4-cyclohexylcyclohexyl ester	1	----	2	1	1	----	----	----	----	1	1
1364	22714	Isobutyric acid, cyclopentyl ester	----	----	----	1	1	----	1	----	2	----	----
1365	30735	Isobutyric acid, decyl ester	1	1	1	1	1	----	----	----	----	----	----
1366	30509	Isobutyric acid, diester with 1,3-butanediol	1	----	1	1	1	----	----	----	----	1	1
1367	30510	Isobutyric acid, diester with 2,3-butanediol	1	----	1	1	1	----	----	----	----	1	1
1368	6321	Isobutyric acid, diester with 1,2-propanediol	1	1	1	1	1	----	----	----	----	----	----
1369	30170	Isobutyric acid, 2,4-dimethylbenzyl ester	1	----	2	1	1	----	----	----	----	1	1
1370	30138	Isobutyric acid, 3,4-dimethylbenzyl ester	1	----	3	1	1	----	----	----	----	----	----
1371	30919	Isobutyric acid, 2,2-dimethylpentyl ester	1	1	3	1	1	----	----	----	----	----	----
1372	24263	Isobutyric acid, 1,1-dimethyl-3-phenylpropyl ester	1	2	----	----	----	----	----	----	----	----	----
1373	24264	Isobutyric acid, ester with linaloöl	2	1	1	1	----	----	----	----	----	----	----
1374	21633	Isobutyric acid, 2-ethoxyethyl ester	----	----	1	1	----	1	1	2	2	1	1
1375	6121	Isobutyric acid, ethyl ester	1	2	2	1	----	1	----	----	----	----	----
1376	21865	Isobutyric acid, *alpha*-ethylbenzyl ester	2	----	3	1	----	----	----	----	----	1	1
1377	21636	Isobutyric acid, 2-ethylbutyl ester	----	----	3	1	----	1	----	----	----	1	1
1378	21637	Isobutyric acid, 2-ethylhexyl ester	----	----	1	1	----	1	----	----	----	1	1
1379	19817	Isobutyric acid, 4-ethyl-1-methyloctyl ester	1	----	1	----	----	1	----	----	----	----	----
1380	21550	Isobutyric acid, *m*-ethylphenyl ester	2	----	2	1	----	1	----	----	----	1	1
1381	21565	Isobutyric acid, *p*-ethylphenyl ester	1	----	1	1	----	1	----	----	----	1	1
1382	21506	Isobutyric acid, heptyl ester	----	----	1	1	----	1	----	----	----	1	1
1383	19791	Isobutyric acid, hexyl ester	1	----	2	----	----	1	----	----	----	----	----
1384	6122	Isobutyric acid, isobutyl ester	1	1	2	1	----	----	----	----	----	----	----
1385	19794	Isobutyric acid, 4-isopropylcyclohexyl ester	2	----	2	----	----	----	----	----	----	----	----
1386	21586	Isobutyric acid, *o*-isopropylphenyl ester	3	----	----	1	----	1	----	----	----	1	1
1387	21587	Isobutyric acid, *p*-isopropylphenyl ester	2	----	----	1	----	1	----	----	----	1	1
1388	21924	Isobutyric acid, 3-methoxybutyl ester	1	----	1	1	----	1	----	----	----	1	1
1389	21630	Isobutyric acid, 2-methoxyethyl ester	----	----	1	1	----	1	----	----	----	1	1
1390	30365	Isobutyric acid, 2-methoxy-1-methylethyl ester	1	----	2	1	1	----	----	----	----	----	----
1391	21877	Isobutyric acid, *m*-methylbenzyl ester	1	----	3	1	----	1	----	----	----	----	----
1392	30502	Isobutyric acid, 4-methylcyclohexyl ester	1	----	3	1	1	----	----	----	----	1	1

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1393	21664	Isobutyric acid, 1-methylheptyl ester	----	----	1	1	----	1	----	----	----	1	1
1394	21566	Isobutyric acid, 1-naphthyl ester	2	----	1	1	----	1	----	----	----	1	1
1395	30455	Isobutyric acid, 1-naphthylmethyl ester	1	----	1	1	1	----	----	----	----	1	1
1396	30670	Isobutyric acid, *p*-nonylphenyl ester	1	1	1	1	1	----	----	----	----	--------	--------
1397	24265	Isobutyric acid, octyl ester	1	1	1	----	----	----	----	----	----	--------	--------
1398	2711	Isobutyric acid, 2-phenoxyethyl ester	1	1	1	----	----	----	----	----	----	--------	--------
1399	31007	Isobutyric acid, piperonyl ester	2	2	1	1	1	----	----	----	----	--------	--------
1400	6018	Isobutyric acid, propyl ester	3	----	1	1	----	----	----	----	----	--------	--------
1401	19793	Isobutyric acid, tetrahydrofurfuryl ester	2	----	1	----	----	----	----	----	----	--------	--------
1402	21182	Isobutyric acid, tetrahydropyran-2-ylmethyl ester	1	----	1	1	----	1	----	1	1	--------	--------
1403	30731	Isobutyric acid, *p*-(1,1,3,3-tetramethylbutyl)phenyl ester	1	1	1	1	1	----	----	----	----	--------	--------
1404	30503	Isobutyric acid, thymyl ester	1	----	1	1	1	----	----	----	----	1	1
1405	21544	Isobutyric acid, *o*-tolyl ester	1	----	3	1	----	1	----	----	----	1	1
1406	21545	Isobutyric acid, *p*-tolyl ester	1	----	1	1	----	1	----	----	----	1	1
1407	30899	Isobutyric acid, undecyl ester	1	1	2	1	1	----	----	----	----	--------	--------
1408	24267	Isoeugenol, acetate	1	----	----	----	----	----	----	----	----	--------	--------
1409	24268	Isogeraniol, acetate	1	1	1	----	----	----	----	----	----	--------	--------
1410	24271	Isovaleric acid, allyl ester	1	1	----	----	----	----	----	----	----	--------	--------
1411	2953	Isovaleric acid, benzyl ester	1	----	2	1	----	----	----	----	----	--------	--------
1412	24272	Isovaleric acid, cinnamyl ester	1	----	----	----	----	----	----	----	----	--------	--------
1413	30121	Isovaleric acid, 2-cyclohexylcyclohexyl ester	1	2	1	1	1	----	----	----	----	--------	--------
1414	31427	Isovaleric acid, 4-cyclohexylcyclohexyl ester	1	2	1	2	----	----	----	----	----	--------	--------
1415	30600	Isovaleric acid, cyclopentyl ester	1	1	3	1	1	----	----	----	----	--------	--------
1416	30988	Isovaleric acid, diester with *p*-xylene-*alpha,alpha'*-diol	1	1	1	2	1	----	----	----	----	--------	--------
1417	30389	Isovaleric acid, 2,4-dimethylbenzyl ester	1	----	2	----	1	----	----	----	----	--------	--------
1418	30141	Isovaleric acid, 3,4-dimethylbenzyl ester	1	----	2	1	1	----	----	----	----	1	1
1419	30976	Isovaleric acid, 2,2-dimethylpentyl ester	1	1	3	1	1	----	----	----	----	--------	--------
1420	24273	Isovaleric acid, ester with linaloöl	1	----	1	1	----	----	----	----	----	--------	--------
1421	21996	Isovaleric acid, ethyl ester	1	1	1	1	----	1	1	----	----	1	1
1422	31424	Isovaleric acid, *alpha*-ethylbenzyl ester	2	1	3	1	----	----	----	----	----	--------	--------
1423	31422	Isovaleric acid, *p*-methoxybenzyl ester	2	3	2	1	----	----	----	----	----	--------	--------
1424	21878	Isovaleric acid, *m*-methylbenzyl ester	2	----	3	1	----	1	----	----	----	--------	--------
1425	30598	Isovaleric acid, octyl ester	1	1	1	1	1	----	----	----	----	--------	--------
1426	31844	Isovaleric acid, *p*-(3-oxobutyl)phenyl ester	1	2	1	----	----	----	----	----	----	--------	--------
1427	30606	Isovaleric acid, phenethyl ester	2	1	2	1	1	1	----	----	----	--------	--------
1428	30608	Isovaleric acid, 3-phenylpropyl ester	1	1	1	1	1	----	----	----	----	--------	--------
1429	24274	Isovaleric acid, *p*-tolyl ester	1	----	----	1	----	----	----	----	----	--------	--------
1430	3166	Lactic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	1	----	----	----	----	--------	--------
1431	397	Lactic acid, butyl ester	1	----	----	----	1	----	----	----	----	--------	--------
1432	3303	Lactic acid, decyl ester	1	1	1	1	----	----	----	----	----	--------	--------
1433	1356	Lactic acid, 2-ethoxyethyl ester	2	2	----	----	1	----	----	----	----	--------	--------
1434	395	Lactic acid, ethyl ester	1	----	1	----	1	1	----	----	----	--------	--------
1435	591	Lactic acid, 2-ethylbutyl ester	1	1	1	1	----	----	----	----	----	--------	--------
1436	604	Lactic acid, 2-ethylbutyl ester, acetate	1	1	1	1	----	----	----	----	----	--------	--------
1437	603	Lactic acid, hexyl ester, acetate	1	1	2	1	----	----	----	----	----	--------	--------
1438	17815	Lactic acid, isobutyl ester	----	----	1	----	----	----	----	----	----	--------	--------
1439	589	Lactic acid, isopentyl ester	1	1	1	1	----	----	----	----	----	--------	--------
1440	602	Lactic acid, isopentyl ester, acetate	2	1	1	1	----	----	----	----	----	--------	--------
1441	586	Lactic acid, isopropyl ester	1	1	1	1	----	----	----	----	----	--------	--------
1442	584	Lactic acid, methyl ester	1	1	1	1	----	1	----	----	----	--------	--------
1443	9122	Lactic acid, 2-methyl-, ethyl ester	1	1	2	----	1	----	----	----	----	--------	--------
1444	24275	Lactic acid, 2-methyl-, hexyl ester	1	1	----	----	----	----	----	----	----	--------	--------
1445	20733	Lactic acid, 3-phenyl-, ethyl ester	----	----	----	----	1	1	----	----	----	--------	--------
1446	20735	Lactic acid, 3-phenyl-, pentyl ester	1	1	1	1	1	1	----	----	----	--------	--------
1447	20734	Lactic acid, 3-phenyl-, propyl ester	2	1	2	1	1	1	----	----	----	--------	--------
1448	2318	Lauric acid, allyl ester	----	----	----	----	1	----	----	----	----	--------	--------

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1449	17966	Lauric acid, benzyl ester	----	----	----	----	1	----	----	----	----	----	----
1450	820	Lauric acid, 2-butoxyethyl ester	1	1	2	----	1	----	----	----	----	----	----
1451	8303	Lauric acid, butyl ester	----	----	----	----	1	----	----	----	----	----	----
1452	2157	Lauric acid, 2-(*p-tert*-butylphenoxy)ethyl ester	2	1	2	----	1	----	----	----	----	----	----
1453	7268	Lauric acid, diester with 2,5-dimethylcyclohexane-1,1-dimethanol	----	----	----	----	1	----	----	----	----	----	----
1454	31782	Lauric acid, diester with 1,2-hexadecanediol	1	1	1	2	1	----	----	----	----	----	----
1455	31746	Lauric acid, diester with 1,12-octadecanediol	1	1	2	2	1	----	----	----	----	----	----
1456	3487	Lauric acid, 2-(1,3-diisopentyloxy)propyl ester	----	----	----	----	1	----	----	----	----	----	----
1457	3486	Lauric acid, 2-(1,3-dimethoxy)propyl ester	----	----	----	----	1	----	----	----	----	----	----
1458	422	Lauric acid, 2-[*p*-(1,1-dimethylpropyl)-phenoxy]ethyl ester	----	----	----	----	1	----	----	----	----	----	----
1459	18181	Lauric acid, dodecyl ester	1	1	1	----	1	----	----	----	----	----	----
1460	9518	Lauric acid, ester with 2-methyl-1,3-dioxolane-4-methanol	1	1	1	----	1	----	----	----	----	----	----
1461	22468	Lauric acid, ester with tetrahydrofuran-2-propanol	----	----	----	----	1	----	----	----	----	----	----
1462	821	Lauric acid, 2-(2-ethoxyethoxy)ethyl ester	----	----	----	----	1	----	----	----	----	----	----
1463	824	Lauric acid, 2-ethoxyethyl ester	1	1	2	----	1	----	----	----	----	----	----
1464	645	Lauric acid, ethyl ester	1	1	1	1	----	----	----	----	----	----	----
1465	3485	Lauric acid, ethylene glycol diester	2	----	----	----	1	1	----	----	----	----	----
1466	3481	Lauric acid, glycidyl ester	2	1	1	----	1	----	----	----	----	----	----
1467	31769	Lauric acid, 1-hexyl-12-hydroxydodecyl ester	----	----	----	2	1	----	----	----	----	----	----
1468	4785	Lauric acid, hydroabietyl ester	----	----	----	----	1	----	----	----	----	----	----
1469	1504	Lauric acid, 2-hydroxyethyl ester, polymer	1	----	----	----	1	----	----	----	----	----	----
1470	31756	Lauric acid, 2-hydroxyhexadecyl ester	1	1	1	2	1	----	----	----	----	----	----
1471	31789	Lauric acid, 1-(hydroxymethyl)pentadecyl ester	1	1	1	1	1	----	----	----	----	----	----
1472	31738	Lauric acid, 12-hydroxyoctadecyl ester	1	1	1	1	1	----	----	----	----	----	----
1473	968	Lauric acid, 2-hydroxypropyl ester	1	1	2	----	1	1	----	----	----	----	----
1474	8323	Lauric acid, isobutyl ester	----	----	----	----	1	1	----	----	----	----	----
1475	669	Lauric acid, methyl ester	1	1	2	1	1	----	----	----	----	----	----
1476	1311	Lauric acid, monester with mannitan	----	----	----	----	1	----	----	----	----	----	----
1477	425	Lauric acid, pentyl ester	1	1	1	----	1	----	----	----	----	----	----
1478	16013	Lauric acid, 6-propylpiperonyl ester	----	----	----	----	1	1	----	----	----	----	----
1479	3489	Lauric acid, tetrahydrofurfuryl ester	----	----	----	----	1	----	----	----	----	----	----
1480	4786	Lauric acid, 3,4,5-trimethylcyclohexyl ester	2	1	2	----	1	----	----	----	----	----	----
1481	2320	Levulinic acid, benzyl ester	1	1	1	1	1	----	----	----	----	----	----
1482	518	Levulinic acid, butyl ester	----	1	1	----	----	----	----	----	----	----	----
1483	3924	Levulinic acid, cyclohexyl ester	1	1	1	1	----	----	----	----	----	----	----
1484	677	Levulinic acid, ethyl ester	3	1	----	----	----	----	----	----	----	----	----
1485	941	Linaloöl, acetate	2	----	1	1	1	----	----	----	----	----	----
1486	24279	Linaloöl, benzoate	1	----	----	----	----	----	----	----	----	----	----
1487	24241	Linaloöl. formate	2	----	2	1	----	----	----	----	----	----	----
1488	2531	Maleic acid, diallyl ester	2	2	----	----	----	----	----	----	----	----	----
1489	20831	Malic acid, DL-, bis(1-methylbutyl) ester	1	1	2	1	1	1	----	----	----	----	----
1490	20828	Malic acid, DL-, diisobutyl ester	1	1	1	1	1	1	----	----	----	----	----
1491	20830	Malic acid, DL-, diisopentyl ester	2	1	1	1	1	1	----	----	----	----	----
1492	20829	Malic acid, DL-, dipentyl ester	2	2	1	1	1	1	----	----	----	----	----
1493	656	Malonic acid, diethyl ester	1	1	1	----	----	----	1	----	----	----	----
1494	6356	Malonic acid, butyl-, diethyl ester	2	----	1	----	----	----	----	----	----	----	----
1495	5656	Malonic acid, furfurylidene-, diethyl ester	2	----	----	1	----	----	----	----	----	----	----
1496	2939	Malonic acid, phenethyl-, diethyl ester	2	2	2	1	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1497	10502	Malonic acid, piperonyl-, diethyl ester	2			1							
1498	5686	Malonic acid, piperonylidene-, dibutyl ester	2										
1499	5688	Malonic acid, piperonylidene-, diethyl ester	1		1	1							
1500	20241	Mandelic acid, allyl ester	1			1	1	1	1	1	1		
1501	1789	Mandelic acid, butyl ester	1				1						
1502	20242	Mandelic acid, *sec*-butyl ester	1			1	1	1					
1503	20097	Mandelic acid, 2-butyloctyl ester	1			1	1	1					
1504	20240	Mandelic acid, cyclohexyl ester	1				1	1					
1505	20045	Mandelic acid, 2,6-dimethyl-4-heptyl ester	1				1	1					
1506	1643	Mandelic acid, ethyl ester	2	1	2	1	1						
1507	20036	Mandelic acid, ethyl ester, acetate	2			1		1					
1508	20042	Mandelic acid, ethyl ester, benzoate	1										
1509	20035	Mandelic acid, ethyl ester, butyrate	1					1					
1510	20037	Mandelic acid, ethyl ester, propionate	2			1		1					
1511	20099	Mandelic acid, 1-ethylpentyl ester	1			1	1	1					
1512	20098	Mandelic acid, 2-ethylhexyl ester	1			1	1	1					
1513	20128	Mandelic acid, heptyl ester	1			1	1	1					
1514	20351	Mandelic acid, isopentyl ester	1			1	1	1					
1515	1788	Mandelic acid, isopropyl ester	1				1						
1516	1787	Mandelic acid, methyl ester	1				1						
1517	20096	Mandelic acid, 2-methylpentyl ester	1			1	1	1					
1518	20129	Mandelic acid, octyl ester	1				1	1					
1519	20127	Mandelic acid, pentyl ester					1	1					
1520	20081	Mandelic acid, 2-phenylcyclohexyl ester	1			1	1	1					
1521	20224	Mandelic acid, propyl ester	1		1		1	1					
1522	21297	Mandelic acid, 2,4-dimethyl-, ethyl ester	1		1	1	1	1					
1523	20545	Mandelic acid, *p*-isopropyl-, allyl ester				1	1	1					
1524	20125	Mandelic acid, *p*-methoxy-, ethyl ester					1	1	1	2	1		
1525	24946	Methacrylic acid, methyl ester	1	1	1	1							
1526	20146	4,7-Methanoinden-6-ol, 3a,4,5,6,7,7a-hexahydro-, acetate					1	1					
1527	18551	4,7-Methanoinden-6-ol, 3a,4,5,6,7,7a-hexahydro-, formate		1		1						2	1
1528	7958	Myristic acid, butyl ester				1	1						
1529	1489	Myristic acid, cyclohexyl ester	1	1	2	1	1						
1530	31614	Myristic acid, decyl ester	1	1	1	2	1						
1531	31783	Myristic acid, diester with 1,2-hexadecanediol	1	1	1	2	1						
1532	31747	Myristic acid, diester with 1,12-octadecanediol	1	1	1	2	1						
1533	3497	Myristic acid, diethylene glycol diester				1	1						
1534	3498	Myristic acid, 1,3-dimethoxy-2-propyl ester				1	1						
1535	31616	Myristic acid, dodecyl ester	1	1	1	1	1						
1536	3495	Myristic acid, ethylene ester				1	1						
1537	3490	Myristic acid, glycidyl ester				1	1						
1538	31611	Myristic acid, heptyl ester	1	1	1	2	1						
1539	31550	Myristic acid, hexyl ester				2	1						
1540	31770	Myristic acid, 1-hexyl-12-hydroxydodecyl ester	1	1	1	1	1						
1541	3496	Myristic acid, 2-(2-hydroxyethoxy)ethyl ester				1	1						
1542	3494	Myristic acid, 2-hydroxyethyl ester				1	1						
1543	31757	Myristic acid, 2-hydroxyhexadecyl ester	1	1	1	1	1						
1544	31790	Myristic acid, 1-(hydroxymethyl)pentadecyl ester	1	1	2	1	1						
1545	31739	Myristic acid, 12-hydroxyoctadecyl ester	2	2	1	1	1						
1546	1095	Myristic acid, isopropyl ester				1	1						
1547	1980	Myristic acid, methyl ester	1	1	1	1	1						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1548	31613	Myristic acid, nonyl ester	1	1	1	2	1						
1549	31612	Myristic acid, octyl ester	1	2	1	2	1						
1550	31610	Myristic acid, pentyl ester	1	1	1	1	1						
1551	31609	Myristic acid, propyl ester	1	1	1	2	1						
1552	31615	Myristic acid, undecyl ester	1	1	1	1	1						
1553	30445	1-Naphthoic acid, isopentyl ester				1							
1554	11236	1-Naphthoic acid, methyl ester	1	1	1	1							
1555	31050	1-Naphthoic acid, piperonyl ester					1						
1556	30454	1-Naphthoic acid, propyl ester				1						1	1
1557	30207	2-Naphthoic acid, 3-allyloxy-, methyl ester	2	1	2	1	1					1	1
1558	30205	2-Naphthoic acid, 3-hydroxy-, methyl ester	2	1	1	1						1	1
1559	13187	Nonanoic acid, ethyl ester	1										
1560	30533	Nonanoic acid, 2-acetyl-4-oxo-, ethyl ester	1	1	1	1	1						
1561	24294	Nonanoic acid, 4-hydroxy-, *gamma*-lactone	1										
1562	19610	2-Nonanol, 5-ethyl-, benzoate	1	1	1		1	1					
1563	10016	1,18-Octadecanedioic acid, diethyl ester	2			1							
1564	31733	1,12-Octadecanediol, 1-acetate	1	1	1	1	1						
1565	31764	1,12-Octadecanediol, 12-acetate	1	1	1	1	1						
1566	31740	1,12-Octadecanediol, 1-benzoate	1	1	1	1	1						
1567	31771	1,12-Octadecanediol, 12-benzoate	2	2	1	1	1						
1568	31741	1,12-Octadecanediol, diacetate	1	2	1	1	1						
1569	31748	1,12-Octadecanediol, dibenzoate	1	1	1	1	1						
1570	30511	1-Octadecanol, formate					1					1	1
1571	25079	2,6-Octadienoic acid, 3,7-dimethyl-, ethyl ester	1		1	1	1			1	1		
1572	25077	3,6-Octadien-1-ol, 3,7-dimethyl-, acetate and 6-octen-1-ol, 7-methyl-3-methylene-, acetate	1		1	1	1				1		
1573	30977	Octanoic acid, benzyl ester	1	1	1	1	1						
1574	30983	Octanoic acid, butyl ester	1	1	1	1	1						
1575	30982	Octanoic acid, *sec*-butyl ester	2	1	2	1	1						
1576	31004	Octanoic acid, *tert*-butyl ester	1	1	2	1	1						
1577	30978	Octanoic acid, cyclohexyl ester	1	1	1	1	1						
1578	31059	Octanoic acid, 2-cyclohexylcyclohexyl ester	1	1	2	2	1						
1579	31064	Octanoic acid, 4-cyclohexylcyclohexyl ester	1	1	1	1	1						
1580	31009	Octanoic acid, cyclopentyl ester	2	1	2	1	1						
1581	31781	Octanoic acid, diester with 1,2-hexadecanediol	1	1	1	1	1						
1582	31745	Octanoic acid, diester with 1,12-octadecanediol	1	1	1	1	1						
1583	1977	Octanoic acid, ethyl ester	1		1								
1584	31019	Octanoic acid, 2-ethylbutyl ester	1	1	1	1	1						
1585	31016	Octanoic acid, 1-ethylpentyl ester	1	1	1	1	1						
1586	31006	Octanoic acid, 1-ethylpropyl ester	1	1	2	1	1						
1587	31018	Octanoic acid, heptyl ester	1	1	1	1	1						
1588	31768	Octanoic acid, 1-hexyl-12-hydroxydodecyl ester	1	1	1	1	1						
1589	31752	Octanoic acid, 2-hydroxyhexadecyl ester	1	1	1	2	1						
1590	31788	Octanoic acid, 1-(hydroxymethyl)pentadecyl ester	1	1	1	2	1						
1591	31737	Octanoic acid, 12-hydroxyoctadecyl ester	1	1	1	1	1						
1592	31003	Octanoic acid, isobutyl ester	1	1	1	1	1						
1593	1827	Octanoic acid, isopentyl ester	1	1	1	1							
1594	30981	Octanoic acid, isopropyl ester	2	1	2	1	1						
1595	31057	Octanoic acid, 2-methylcyclohexyl ester	2	1	2	2	1						
1596	31375	Octanoic acid, 3,4-methylenedioxyphenyl ester	1	2	1	1	1						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1597	31017	Octanoic acid, octyl ester	2	1	2	1	1						
1598	24295	Octanoic acid, pentyl ester	1	1	1	1							
1599	31010	Octanoic acid, phenethyl ester	2	1	2	1	1						
1600	31022	Octanoic acid, phenyl ester	1	1	1	1	1						
1601	31008	Octanoic acid, piperonyl ester	1	1	2	1	1						
1602	30979	Octanoic acid, propyl ester	2	1	2	1	1						
1603	31025	Octanoic acid, *m*-tolyl ester	1	1	1	1	1						
1604	31024	Octanoic acid, *o*-tolyl ester	1	1	1	2	1						
1605	31049	Octanoic acid, *p*-tolyl ester	1	1	1	2	1						
1606	25037	Octanoic acid, 3-hydroxy-, butyl ester	1	1	1	1							
1607	30444	1-Octanol, 2-butyl-, formate	1		1	1	1						
1608	30540	7-Octenoic acid, 3-oxo-, methyl ester	1	1	1	1	1						
1609	24779	5-Octen-3-ol, 3,6-dimethyl-, acetate	2		2		1				1		
	25077	6-Octen-1-ol, 7-methyl-3-methylene-, acetate and 3,6-octadien-1-ol,3,7-dimethyl-, acetate. (*See* item 1572.)											
1610	205	6(or 7)-Octen-1-ol, 3,7-dimethyl-, acetate	1	1	1								
1611	2039	*d*-6(or 7)-Octen-1-ol, 3,7-dimethyl-, acetate	1						2				
1612	25075	6-Octen-1-yn-3-ol, 3,7-dimethyl-, acetate	1		1	1	1			1	1		
1613	24794	1-Octyn-3-ol, 3-ethyl-, acetate	2		2								
1614	651	Oleic acid, methyl ester	1	1	1	1	1						
1615	974	Olein, mono-	1										
1616	23843	Orthoacetic acid, triethyl ester	2	2						1			
1617	24332	Orthoacetic acid, trimethyl ester	1	1									
1618	24333	Orthoformic acid, triethyl ester	2	1					1				
1619	25021	7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 4-methyl-, *sec*-butyl ester			3	1	1			1	1		
1620	6011	Oxalic acid, dibutyl ester	1		1								
1621	15352	Oxalic acid, diethyl ester	2	1	1								
1622	6013	Oxalic acid, diisopentyl ester	1	1		1							
1623	11244	Oxalic acid, diisopropyl ester	1	1									
1624	21214	Oxalic acid, dimethyl ester	2	2				1					
1625	20359	Palmitic acid, *alpha*-allylpiperonyl ester				1	1	1					
1626	31585	Palmitic acid, benzyl ester	1	1	1	1	1						
1627	31138	Palmitic acid, bornyl ester				1	1						
1628	7959	Palmitic acid, butyl ester	1	1	1	1	1						
1629	31577	Palmitic acid, *sec*-butyl ester	1	1	1	2	1						
1630	31578	Palmitic acid, *tert*-butyl ester	1	1	1	2	1						
1631	31136	Palmitic acid, 2-*sec*-butylcyclohexyl ester				1	1						
1632	31725	Palmitic acid, 1-butyl-1,4-diethyl-4-hydroxy-2-octynyl ester	1	1	1	2	1						
1633	31134	Palmitic acid, citronellyl ester				1	1						
1634	30710	Palmitic acid, cyclohexyl ester	1	1	1	1	1						
1635	31582	Palmitic acid, decyl ester	2	1	2	1	1						
1636	31711	Palmitic acid, 1,1-diallyl-4-hydroxy-4-methyl-6-heptenyl ester	1	1	1	2	1						
1637	31712	Palmitic acid, diester with 4-allyl-7-methyl-1,9-decadiene-4,7-diol	1	2	1	2	1						
1638	31696	Palmitic acid, diester with 1,3-butanediol	2	2	1	2	1						
1639	31968	Palmitic acid, diester with 1,4-butanediol	1	1	1		1						
1640	31731	Palmitic acid, diester with 2-butyl-2-ethyl-1,3-propanediol	1	1	1	1	1						
1641	31763	Palmitic acid, diester with 3,5-decanediol	1	1	1	1	1						
1642	31726	Palmitic acid, diester with 5,8-diethyl-6-dodecyne-5,8-diol	2	1	1	2	1						
1643	31724	Palmitic acid, diester with 6,9-diethyl-7-tetradecyne-6,9-diol	1	1	1	2	1						
1644	31710	Palmitic acid, diester with 3,6-diisopropyl-2,7-dimethyl-4-octyne-3,6-diol	1	1	1	2	1						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1645	31728	Palmitic acid, diester with 2,2-dimethyl-1,3-butanediol	1	1	1	1	1	----	----	----	----	--------	--------
1646	31716	Palmitic acid, diester with 2,5-dimethyl-3-hexyne-2,5-diol	1	1	1	2	1	----	----	----	----	--------	--------
1647	31720	Palmitic acid, diester with 2,7-dimethyl-2,7-octanediol	1	1	1	2	1	----	----	----	----	--------	--------
1648	31700	Palmitic acid, diester with 3,6-dimethyl-3,6-octanediol	1	1	1	1	1	----	----	----	----	--------	--------
1649	31705	Palmitic acid, diester with 3,6-dimethyl-4-octyne-3,6-diol	2	1	1	2	1	----	----	----	----	--------	--------
1650	31718	Palmitic acid, diester with 6,9-dimethyl-7-tetradecyne-6,9-diol	1	1	2	1	1	----	----	----	----	--------	--------
1651	31708	Palmitic acid, diester with 5-ethyl-4,6-decanediol	1	1	1	1	1	----	----	----	----	--------	--------
1652	31140	Palmitic acid, diester with 2-ethyl-1,3-hexanediol	----	----	----	----	1	----	----	----	----	--------	--------
1653	31694	Palmitic acid, diester with 3-ethyl-2,4-octanediol	1	1	2	1	1	----	----	----	----	--------	--------
1654	31762	Palmitic acid, diester with 7-methyl-3,5-octanediol	2	1	1	1	1	----	----	----	----	--------	--------
1655	31777	Palmitic acid, diester with 1,2-octanediol	2	1	1	2	1	----	----	----	----	--------	--------
1656	31706	Palmitic acid, diester with 1,5-pentanediol	1	1	1	1	1	----	----	----	----	--------	--------
1657	31702	Palmitic acid, diester with 1,3-propandiol	1	1	1	1	1	----	----	----	----	--------	--------
1658	31722	Palmitic acid, diester with 2.3,6,7-tetramethyl-4-octyne-3,6-diol	1	1	1	2	1	----	----	----	----	--------	--------
1659	31714	Palmitic acid, diester with 3,6,8-trimethyl-4-nonyne-3,6-diol	1	1	1	2	1	----	----	----	----	--------	--------
1660	31723	Palmitic acid, 1,4-diethyl-4-hydroxy-1-pentyl-2-nonynyl ester	1	1	1	2	1	----	----	----	----	--------	--------
1661	3506	Palmitic acid, diethylene glycol diester	----	----	----	----	1	----	----	----	----	--------	--------
1662	3500	Palmitic acid, 2,3-dihydroxypropyl ester	1	2	1	1	1	----	----	----	----	--------	--------
1663	3507	Palmitic acid, 1,3-dimethoxy-2-propyl ester	----	----	----	----	1	----	----	----	----	--------	--------
1664	31170	Palmitic acid, 2,2-dimethylpentyl ester	----	----	----	1	1	----	----	----	----	--------	--------
1665	31171	Palmitic acid, 2-(2,2-dimethylpropyl)-2-propenyl ester	----	----	----	1	1	----	----	----	----	--------	--------
1666	31584	Palmitic acid, dodecyl ester	1	1	1	1	1	----	----	----	----	--------	--------
1667	6331	Palmitic acid, ethyl ester	1	2	2	1	1	----	----	----	----	--------	--------
1668	3504	Palmitic acid, ethylene ester	----	----	----	----	1	----	----	----	----	--------	--------
1669	31580	Palmitic acid, 2-ethylhexyl ester	1	1	1	2	1	----	----	----	----	--------	--------
1670	31699	Palmitic acid, 1-ethyl-4-hydroxy-1,4-dimethylhexyl ester	2	2	2	2	1	----	----	----	----	--------	--------
1671	31704	Palmitic acid, 1-ethyl-4-hydroxy-1,4-dimethyl-2-hexynyl ester	1	1	1	1	1	----	----	----	----	--------	--------
1672	31693	Palmitic acid, 2-ethyl-3-hydroxy-1-methylheptyl ester	1	1	1	2	1	----	----	----	----	--------	--------
1673	31730	Palmitic acid, 2-ethyl-2-(hydroxymethyl)hexyl ester	1	1	1	2	1	----	----	----	----	--------	--------
1674	31707	Palmitic acid, 2-ethyl-3-hydroxy-1-propylheptyl ester	2	1	1	2	1	----	----	----	----	--------	--------
1675	31713	Palmitic acid, 1-ethyl-4-hydroxy-1,4,6-trimethyl-2-heptynyl ester	1	1	1	2	1	----	----	----	----	--------	--------
1676	31133	Palmitic acid, 1-ethylpropyl ester	----	----	----	1	1	----	----	----	----	--------	--------
1677	31131	Palmitic acid, geranyl ester	----	----	----	1	1	----	----	----	----	--------	--------
1678	3501	Palmitic acid, glyceryl diester	----	----	----	----	1	----	----	----	----	--------	--------
1679	3499	Palmitic acid, glycidyl ester	----	----	----	----	1	----	----	----	----	--------	--------
1680	31549	Palmitic acid, heptyl ester	----	----	----	2	1	----	----	----	----	--------	--------
1681	31703	Palmitic acid, *trans*-2-hexadecenyl ester	1	1	1	2	1	----	----	----	----	--------	--------
1682	30711	Palmitic acid, hexyl ester	1	1	1	2	1	----	----	----	----	--------	--------
1683	31695	Palmitic acid, 3-hydroxybutyl ester	1	1	1	2	1	----	----	----	----	--------	--------
1684	31697	Palmitic acid, 4-hydroxybutyl ester	1	1	1	2	1	----	----	----	----	--------	--------

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1685	31727	Palmitic acid, 3-hydroxy-2,2-dimethylbutyl ester	1	1	1	1	1	----	----	----	----	----	----
1686	31717	Palmitic acid, 4-hydroxy-1,4-dimethyl-1-pentyl-2-nonynyl ester	2	2	2	1	1	----	----	----	----	----	----
1687	3505	Palmitic acid, 2-(2-hydroxyethoxy)ethyl ester	----	----	----	----	1	----	----	----	----	----	----
1688	3503	Palmitic acid, 2-hydroxyethyl ester	----	----	----	----	1	----	----	----	----	----	----
1689	31721	Palmitic acid, 4-hydroxy-1-isopropyl-1,4,5-trimethyl-2-hexynyl ester	1	1	1	1	1	----	----	----	----	----	----
1690	31732	Palmitic acid, 2-(hydroxymethyl)-2-methylpentyl ester	1	1	1	1	1	----	----	----	----	----	----
1691	31701	Palmitic acid, 3-hydroxy-1-methyloctyl ester	1	2	2	2	1	----	----	----	----	----	----
1692	31141	Palmitic acid, 1-[2-(hydroxymethyl)propyl]butyl ester	1	1	1	1	1	----	----	----	----	----	----
1693	31692	Palmitic acid, 5-hydroxypentyl ester	1	1	1	1	1	----	----	----	----	----	----
1694	31775	Palmitic acid, 12-hydroxyoctadecyl ester	2	1	1	2	1	----	----	----	----	----	----
1695	31754	Palmitic acid, 1-hydroxy-2-propyl ester	1	1	1	1	1	----	----	----	----	----	----
1696	31760	Palmitic acid, 1-hydroxy-2-propyl ester, acetate	2	2	1	2	1	----	----	----	----	----	----
1697	31761	Palmitic acid, 2-hydroxypropyl ester	1	1	1	1	1	----	----	----	----	----	----
1698	31146	Palmitic acid, 5-hydroxy-4*H*-pyran-4-one-2-methyl ester	1	1	1	1	1	----	----	----	----	----	----
1699	31709	Palmitic acid, 4-hydroxy-1,1,4-triisopropyl-5-methyl-2-hexenyl ester	1	1	1	2	1	----	----	----	----	----	----
1700	31719	Palmitic acid, 6-hydroxy-1,1,6-trimethylheptyl ester	2	2	2	2	1	----	----	----	----	----	----
1701	31715	Palmitic acid, 4-hydroxy-1,1,4-trimethyl-2-pentynyl ester	1	1	1	1	1	----	----	----	----	----	----
1702	31755	Palmitic acid, 3-hydroxy-1,2,2-trimethylpropyl ester	1	1	1	1	1	----	----	----	----	----	----
1703	31729	Palmitic acid, 3-hydroxy-1,2,2-trimethyl-3-(trityloxy)propyl ester	1	1	1	1	1	----	----	----	----	----	----
1704	31576	Palmitic acid, isobutyl ester	1	1	1	2	1	----	----	----	----	----	----
1705	31137	Palmitic acid, 2-isopropylcyclohexyl ester	----	----	----	1	1	----	----	----	----	----	----
1706	31132	Palmitic acid, 4-isopropylcyclohexyl ester	----	----	----	1	1	----	----	----	----	----	----
1707	31139	Palmitic acid, menthyl ester	----	----	----	2	1	----	----	----	----	----	----
1708	30269	Palmitic acid, 2-methoxy-1-methylethyl ester	1	1	1	1	1	----	----	----	----	1	1
1709	31172	Palmitic acid, 3-methoxypropyl ester	----	----	----	1	1	----	----	----	----	----	----
1710	3509	Palmitic acid, methyl ester	1	1	2	1	1	----	----	----	----	----	----
1711	31169	Palmitic acid, 2-methylallyl ester	----	----	----	1	1	----	----	----	----	----	----
1712	31135	Palmitic acid, 2-methylcyclohexyl ester	----	----	----	1	1	----	----	----	----	----	----
1713	31579	Palmitic acid, 2-methylpentyl ester	1	1	1	2	1	----	----	----	----	----	----
1714	31581	Palmitic acid, nonyl ester	1	1	1	1	1	----	----	----	----	----	----
1715	30713	Palmitic acid, octadecyl ester	1	1	1	2	1	----	----	----	----	----	----
1716	30712	Palmitic acid, octyl ester	1	1	1	1	1	----	----	----	----	----	----
1717	31548	Palmitic acid, pentyl ester	----	----	----	1	----	----	----	----	----	----	----
1718	31575	Palmitic acid, propyl ester	1	1	1	1	1	----	----	----	----	----	----
1719	31583	Palmitic acid, undecyl ester	1	1	1	1	1	----	----	----	----	----	----
1720	31759	Palmitin, tri-	1	1	1	2	1	----	----	----	----	----	----
1721	30956	Pentadecanoic acid, 15-hydroxy-, lactone	1	1	1	1	1	----	----	----	----	----	----
1722	30492	1,3-Pentanediol, 2,2,4-trimethyl-, diformate	1	----	1	1	1	----	----	----	----	1	1
1723	6407	1,5-Pentanediol, diformate	1	----	1	1	----	----	----	----	----	----	----
1724	30915	1-Pentanol, 2,2-dimethyl-, benzoate	1	1	2	1	1	----	----	----	----	----	----
1725	19592	1-Pentanol, 1-ethyl-, benzoate	1	1	3	----	1	1	----	----	----	----	----
1726	25337	1-Pentanol, 2-ethyl-4-methyl-, acetate	2	1	1	2	1	----	----	----	----	1	----
1727	19593	3-Pentanol, benzoate	1	----	2	1	1	1	----	----	----	----	----
1728	24764	2-Pentenoic acid, 2-benzoyl-, ethyl ester	2	----	2	----	1	----	----	----	1	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1729	30529	4-Pentenoic acid, 2-acetyl-2-allyl-, ethyl ester	2	1	1	1	1	----	----	----	----	----	----
1730	24339	Phenethyl alcohol, *alpha, alpha*-dimethyl-, acetate	1	----	2	----	----	----	----	----	----	----	----
1731	20635	Phenethyl alcohol, *alpha*-ethyl-, formate	----	----	----	----	1	1	1	2	1	----	----
1732	21138	Phenol, 2-allyl-6-methoxy-, acetate	3	----	1	1	----	1	----	----	----	----	----
1733	20008	Phenol, x,x-bis(1,1-dimethylpropyl)-, acetate	----	----	----	----	1	1	----	----	----	----	----
1734	20007	Phenol, 2,4-bis(1-methylbutyl)-, acetate	1	1	1	----	1	1	----	----	----	----	----
1735	20010	Phenol, 2-*tert*-butyl-6-isopropyl-, acetate	----	----	----	----	1	1	----	----	----	----	----
1736	30706	Phenol, 4-*tert*-butyl-2-(*alpha*-methylbenzyl)-, acetate	----	----	----	----	1	----	----	----	----	----	----
1737	20015	Phenol, 2,4-di-*tert*-butyl-6-isopropyl-, acetate	2	1	2	----	1	1	----	----	----	----	----
1738	19608	Phenol, *m*-ethyl-, benzoate	1	1	1	----	1	1	----	----	----	----	----
1739	20014	Phenol, *p*-ethyl-, acetate	----	----	----	----	1	1	1	1	1	----	----
1740	19605	Phenol, *p*-ethyl-, benzoate	1	1	1	----	1	1	----	----	----	----	----
1741	18256	Phenol, *o*-isopropyl-, acetate	1	----	----	1	----	----	1	2	1	----	----
1742	20009	Phenol, *p*-isopropyl-, acetate	----	----	----	----	1	----	2	1	1	----	----
1743	30573	Phenol, *m*-methoxy-, acetate	2	1	1	1	1	----	----	----	----	----	----
1744	22704	Phenol, *p*-methoxy, acetate	----	----	----	----	1	----	----	----	----	----	----
1745	21101	Phenol, 3,4-methylenedioxy-, acetate	1	2	2	1	----	1	----	----	----	1	1
1746	18254	Phenol, *p*-nonyl-, acetate	2	----	----	1	----	----	----	----	----	----	----
1747	30672	Phenol, *p*-nonyl-, benzoate	3	2	1	1	1	----	----	----	----	----	----
1748	30726	Phenol, *p*-(1,1,3,3,-tetramethylbutyl)-, acetate	2	2	1	1	1	----	----	----	----	----	----
1749	9081	Phenolphthalein	1	1	1	----	1	1	----	----	----	----	----
1750	655	Phthalic acid, bis(2-ethoxyethyl) ester	1	2	----	----	----	----	----	----	----	----	----
1751	8328	Phthalic acid, bis[2-(2-methoxyethoxy)-ethyl] ester	1	1	----	----	----	----	----	----	----	----	----
1752	4283	Phthalic acid, bis(tetrahydrofurfuryl) ester	1	2	----	----	----	----	----	----	----	----	----
1753	2574	Phthalic acid, diallyl ester	2	2	----	----	----	----	----	----	----	----	----
1754	364	Phthalic acid, dibenzyl ester	2	----	----	----	----	----	----	----	----	----	----
1755	283	Phthalic acid, dibutyl ester	1	1	----	----	----	1	----	----	----	----	----
1756	515	Phthalic acid, dicyclohexyl ester	1	1	----	----	----	----	----	----	----	----	----
1757	329	Phthalic acid, diethyl ester	2	2	1	1	----	----	----	----	----	----	----
1758	1766	Phthalic acid, diisopropyl ester	1	2	1	----	----	----	----	----	----	----	----
1759	262	Phthalic acid, dimethyl ester	1	1	1	----	----	1	----	----	----	----	----
1760	363	Phthalic acid, dipentyl ester	1	1	----	----	----	----	----	----	----	----	----
1761	1767	Phthalic acid, dipropyl ester	1	2	1	----	----	----	----	----	----	----	----
1762	5785	Phthalide	----	----	----	----	1	----	----	----	----	----	----
1763	24621	Pinonic acid, dodecyl ester	1	----	----	----	----	----	----	----	----	----	----
1764	5703	Piperonyl alcohol, acetate	1	----	1	1	----	----	----	----	----	----	----
1765	20460	Piperonyl alcohol, benzoate	1	1	1	1	1	1	----	----	----	----	----
1766	5004	Piperonyl alcohol, *alpha*-allyl-, acetate	2	----	----	1	----	----	----	1	1	----	----
1767	20909	Piperonyl alcohol, 6-allyl-, acetate	3	2	2	2	1	1	----	----	----	----	----
1768	20561	Piperonyl alcohol, *alpha*-benzyl-, acetate	2	2	1	1	1	1	----	----	----	----	----
1769	30881	Piperonyl alcohol, *alpha*-benzyl-, formate	----	----	----	1	----	----	----	----	----	----	----
1770	20391	Piperonyl alcohol, *alpha*-butyl-, acetate	1	1	1	----	1	----	----	1	1	----	----
1771	20463	Piperonyl alcohol, *alpha-tert*-butyl-, acetate	2	2	1	1	1	1	----	----	----	----	----
1772	20462	Piperonyl alcohol, *alpha*-cyclohexyl-, benzoate	----	----	----	----	1	1	----	----	----	----	----
1773	21610	Piperonyl alcohol, *alpha*-(2,4-dimethylbenzyl)-, acetate	----	----	----	----	1	1	----	----	----	----	----
1774	20736	Piperonyl alcohol, *alpha*-(1,1-dimethylpropyl)-, acetate	2	2	1	1	1	1	----	----	----	----	----
1775	20275	Piperonyl alcohol, *alpha*-ethyl-, acetate	3	----	1	2	1	1	----	1	1	----	----
1776	20093	Piperonyl alcohol, *alpha*-methyl-, acetate	----	----	----	----	1	1	----	----	----	----	----
1777	20395	Piperonyl alcohol, *alpha*-(2-methylallyl)-, acetate	----	----	----	----	1	1	----	----	----	1	1

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1778	21038	Piperonyl alcohol, *alpha*-(*o*-methylphenyl)-, acetate	2	----	1	1	----	1	----	----	----	----	----
1779	21039	Piperonyl alcohol, *alpha*-(*p*-methylphenyl)-, acetate	1	----	1	1	----	1	----	----	----	----	----
1780	20393	Piperonyl alcohol, *alpha*-pentyl-, acetate	1	1	1	1	1	----	----	----	----	----	----
1781	20436	Piperonyl alcohol, *alpha*-(3-phenylpropyl)-, acetate	----	----	----	1	1	1	----	----	----	----	----
1782	20089	Piperonyl alcohol, *alpha*-propyl-, acetate	1	----	----	1	1	1	----	----	----	----	----
1783	30387	Piperonylic acid, methyl ester	1	----	1	----	----	----	----	----	----	----	----
1784	20135	Pivalic acid, *alpha*-allylpiperonyl ester	1	----	1	----	----	1	----	----	----	----	----
1785	20486	Pivalic acid, hexyl ester	----	----	----	1	1	1	2	2	2	----	----
1786	30142	Pivalic acid, propyl ester	2	----	1	1	----	----	----	----	----	----	----
1787	6528	1,2-Propanediol, 1-benzoate	1	1	1	1	1	----	----	----	----	----	----
1788	20691	1,2-Propanediol, 1-(3,4-methylenedioxyphenyl)-, diacetate	3	2	2	2	1	1	----	----	----	----	----
1789	31074	1,2-Propanediol, 3-(3,4-methylenedioxyphenyl)-, diacetate	2	1	1	1	1	----	----	----	----	----	----
1790	24966	1,2-Propanediol, 2-phenyl-, 1-acetate	2	1	1	1	----	----	----	----	----	----	----
1791	6378	1,3-Propanediol, monobenzoate	----	----	----	----	1	----	----	----	----	----	----
1792	30490	1,3-Propanediol, 2,2-dimethyl-, diformate	1	----	2	1	1	----	----	----	----	1	1
1793	12105	1,3-Propanediol, 2,2-dimethyl-1-phenyl-, diacetate	----	----	----	----	1	----	----	----	----	----	----
1794	31734	Propanoic acid, 12-hydroxyoctadecyl ester	1	1	1	1	1	----	----	----	----	----	----
1795	22349	1-Propanol, 3-(3-phenoxypropoxy)-, acetate	1	1	2	1	1	----	----	----	----	----	----
1796	18533	1-Propanol, 3-phenyl-, acetate	2	1	1	1	----	----	----	----	----	----	----
1797	30433	2-Propanol, 1-(*p*-biphenyloxy)-, acetate	----	----	----	----	1	----	----	----	----	----	----
1798	30439	2-Propanol, 1-(*p*-biphenyloxy)-, formate	----	----	----	----	1	----	----	----	----	----	----
1799	30418	2-Propanol, 1-(*o-sec*-butylphenoxy)-, acetate	1	----	1	1	1	----	----	----	----	----	----
1800	30421	2-Propanol, 1-(*o-sec*-butylphenoxy)-, formate	1	----	1	2	1	----	----	----	----	----	----
1801	30414	2-Propanol, 1-(*p-sec*-butylphenoxy)-, acetate	1	----	1	1	1	----	----	----	----	----	----
1802	30420	2-Propanol, 1-(*p-sec*-butylphenoxy)-, formate	1	----	1	1	1	----	----	----	----	----	----
1803	30423	2-Propanol, 1-(*p-tert*-butylphenoxy)-, formate	1	----	1	1	1	----	----	----	----	----	----
1804	18548	2-Propanol, 1-methoxy-, acetate	----	----	----	----	1	----	----	----	----	----	----
1805	22362	2-Propanol, 1-methoxy-, benzoate	----	----	----	2	1	----	----	----	----	----	----
1806	21013	2-Propanol, 1-(3,4-methylenedioxyphenyl)-, acetate	2	----	----	1	----	----	----	----	----	----	----
1807	2642	2-Propanol, 1-phenoxy-, acetate	----	----	----	----	1	----	----	----	----	----	----
1808	8537	2-Propanone, 1-hydroxy-, acetate	1	----	----	----	----	----	----	----	----	----	----
1809	24349	2-Propen-1,1-diol, diacetate	2	1	----	----	----	----	----	----	----	----	----
1810	24758	1-Propen-1-ol, 2-phenyl-, acetate	1	----	2	----	1	----	----	----	1	----	----
1811	24478	Propionic acid, allyl ester	1	2	----	----	----	----	----	----	----	----	----
1812	2952	Propionic acid, benzyl ester	1	----	2	1	----	1	----	----	----	----	----
1813	18250	Propionic acid, 2-biphenylyl ester	1	----	----	1	----	----	----	----	----	----	----
1814	18253	Propionic acid, 4-biphenylyl ester	2	----	----	1	----	----	----	----	----	----	----
1815	24351	Propionic acid, bornyl ester	2	----	----	1	----	----	----	----	----	----	----
1816	24352	Propionic acid, butyl ester	1	----	----	----	----	----	----	----	----	----	----
1817	20063	Propionic acid, 2-*tert*-butyl-6-isopropylphenyl ester	2	----	----	1	----	1	----	----	----	----	----
1818	30708	Propionic acid, 4-*tert*-butyl-2-(*alpha*-methylbenzyl)phenyl ester	----	----	----	----	1	----	----	----	----	----	----
1819	2130	Propionic acid, 2-(*p-tert*-butylphenoxy)-ethyl ester	1	----	----	1	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1820	30425	Propionic acid, 2-(*o-sec*-butylphenoxy)-1-methylethyl ester	1	----	2	2	1	----	----	----	----	----	----
1821	30415	Propionic acid, 2-(*p-sec*-butylphenoxy)-1-methylethyl ester	1	----	1	1	1	----	----	----	----	----	----
1822	30429	Propionic acid, 2-(*p-tert*-butylphenoxy)-1-methylethyl ester	1	----	1	1	1	----	----	----	----	----	----
1823	20358	Propionic acid, *alpha-tert*-butylpiperonyl ester	2	----	1	----	----	1	----	----	----	----	----
1824	18252	Propionic acid, 6-*tert*-butyl-*m*-tolyl ester	1	----	----	1	----	----	----	----	----	----	----
1825	2446	Propionic acid, cinnamyl ester	1	----	1	1	----	----	----	----	----	----	----
1826	4101	Propionic acid, 2-cyclohexylethyl ester	2	----	----	1	----	----	----	----	----	----	----
1827	30733	Propionic acid, decyl ester	1	1	2	1	1	----	----	----	----	----	----
1828	20065	Propionic acid, 2,4-di-*tert*-butyl-6-isopropylphenyl ester	1	----	----	1	----	1	----	----	----	----	----
1829	20027	Propionic acid, 4,6-di-*tert*-butyl-*m*-tolyl ester	2	----	----	1	----	1	----	----	----	----	----
1830	21371	Propionic acid, diester with 4,6-dimethyl-*m*-xylene-*alpha*, *alpha'*-diol	2	----	1	1	----	1	----	----	----	1	1
1831	31778	Propionic acid, diester with 1,2-hexadecanediol	2	1	1	2	1	----	----	----	----	----	----
1832	31742	Propionic acid, diester with 1,12-octadecanediol	1	1	1	1	1	----	----	----	----	----	----
1833	6421	Propionic acid, diester with pyrocatechol	1	----	1	1	----	----	----	----	----	----	----
1834	21579	Propionic acid, 2,4-dimethylbenzyl ester	2	----	----	1	1	1	----	----	----	1	1
1835	21304	Propionic acid, 3,4-dimethylbenzyl ester	2	----	1	----	----	1	----	----	----	----	----
1836	31385	Propionic acid, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethyl ester	1	1	1	1	----	----	----	----	----	----	----
1837	30911	Propionic acid, 2,2-dimethylpentyl ester	1	1	3	1	1	----	----	----	----	----	----
1838	24358	Propionic acid, ester with citronellol	1	----	----	----	----	----	----	----	----	----	----
1839	24353	Propionic acid, ester with linaloöl	1	----	1	1	----	----	----	----	----	----	----
1840	24354	Propionic acid, ethyl ester	1	----	----	----	----	----	----	----	----	----	----
1841	20524	Propionic acid, *alpha*-ethylbenzyl ester	2	1	3	1	----	1	----	----	----	----	----
1842	20979	Propionic acid, eugenyl ester	1	----	----	1	----	1	----	----	----	----	----
1843	24355	Propionic acid, geranyl ester	1	----	----	----	----	----	----	----	----	----	----
1844	21504	Propionic acid, heptyl ester	----	----	2	1	----	1	----	----	----	1	1
1845	31765	Propionic acid, 1-hexyl-12-hydroxydodecyl ester	1	1	1	1	1	----	----	----	----	----	----
1846	31749	Propionic acid, 2-hydroxyhexadecyl ester	1	1	1	1	1	----	----	----	----	----	----
1847	31785	Propionic acid, 1-(hydroxymethyl)pentadecyl ester	1	1	1	1	1	----	----	----	----	----	----
1848	4363	Propionic acid, isobornyl ester	----	----	2	----	----	----	----	----	----	----	----
1849	20980	Propionic acid, isoeugenyl ester	1	----	----	1	----	1	----	----	----	----	----
1850	18261	Propionic acid, 2-isopropylcyclohexyl ester	3	----	1	1	----	----	----	----	----	----	----
1851	18259	Propionic acid, 4-isopropylcyclohexyl ester	1	----	2	1	1	----	----	----	----	----	----
1852	18257	Propionic acid, *o*-isopropylphenyl ester	1	----	----	1	----	----	----	----	----	----	----
1853	6113	Propionic acid, *p*-methoxybenzyl ester	1	----	1	----	----	----	----	----	----	----	----
1854	21922	Propionic acid, 3-methoxybutyl ester	2	----	1	1	----	1	----	----	----	1	1
1855	4100	Propionic acid, *alpha*-methylbenzyl ester	2	1	3	1	----	----	----	----	----	----	----
1856	21876	Propionic acid, *m*-methylbenzyl ester	1	----	3	1	----	1	----	----	----	----	----
1857	22395	Propionic acid, 1-methyl-2-phenoxyethyl ester	----	----	----	----	1	----	----	----	----	----	----
1858	30448	Propionic acid, 1-naphthylmethyl ester	2	1	1	1	1	----	----	----	----	----	----
1859	18255	Propionic acid, *p*-nonylphenyl ester	1	----	----	1	----	----	----	----	----	----	----
1860	31834	Propionic acid, *p*-(3-oxobutyl)phenyl ester	----	2	----	----	----	----	----	----	----	----	----
1861	24356	Propionic acid, pentyl ester	1	----	1	----	----	----	1	----	----	----	----
1862	18544	Propionic acid, phenethyl ester	2	1	3	1	1	----	2	2	1	----	----
1863	5860	Propionic acid, 2-phenylcyclohexyl ester	2	----	----	1	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1864	24357	Propionic acid, propyl ester	1	2	1	----	----	----	1	----	----	----	----
1865	20090	Propionic acid, *alpha*-propylpiperonyl ester	1	----	----	1	----	1	----	----	----	----	----
1866	15415	Propionic acid, tetrahydrofurfuryl ester	1	1	----	----	----	----	----	----	----	----	----
1867	21180	Propionic acid, tetrahydropyran-2-ylmethyl ester	1	----	----	1	----	1	----	----	----	----	----
1868	30727	Propionic acid, *p*-(1,1,3,3-tetramethylbutyl)phenyl ester	2	2	1	1	1	----	----	----	----	----	----
1869	30505	Propionic acid, thymyl ester	1	----	2	1	1	----	----	----	----	1	1
1870	8386	Propionic acid, *m*-tolyl ester	2	----	----	1	----	----	----	2	1	----	----
1871	30897	Propionic acid, undecyl ester	1	1	2	1	1	----	----	----	----	----	----
1872	24889	Propionic acid, vinyl ester	1	----	1	1	1	----	----	1	1	----	----
1873	22795	Propionic acid, 3-ethoxy-, cyclopentyl ester	----	----	----	1	1	----	1	----	1	----	----
1874	19456	Propionic acid, 3-ethoxy-, diester with 1,3-butanediol	----	----	1	----	----	1	----	----	----	----	----
1875	30932	Propionic acid, 3-ethoxy-, 2,2-dimethylpentyl ester	1	1	1	2	1	----	----	----	----	----	----
1876	21507	Propionic acid, 3-ethoxy-, heptyl ester	----	----	1	1	----	1	----	----	----	1	1
1877	20398	Propionic acid, 3-ethoxy-, 5-hydroxypentyl ester	----	----	----	1	1	1	----	----	----	----	----
1878	20376	Propionic acid, 3-ethoxy-, *beta*-hydroxyphenethyl ester	----	----	----	----	1	1	----	----	----	----	----
1879	21928	Propionic acid, 3-ethoxy-, 3-methoxybutyl ester	1	1	2	1	----	1	----	----	----	1	1
1880	14472	Propionic acid, 3-ethoxy-, propyl ester	1	----	1	----	----	----	----	----	----	----	----
1881	21931	Propionic acid, 3-methoxy-, 3-methoxybutyl ester	1	1	2	1	----	1	----	----	----	1	1
1882	21012	Propionic acid, 3-(*o*-methoxyphenoxy)-, propyl ester	3	----	----	1	----	----	----	----	----	----	----
1883	30124	Propionic acid, 3-(*o*-methoxyphenyl)-2-phenyl-, methyl ester	1	----	1	1	1	----	----	----	2	1	1
1884	30113	Propionic acid, 3-(*p*-methoxyphenyl)-2-phenyl-, ethyl ester	1	----	1	1	1	----	----	----	----	1	1
1885	30101	Propionic acid, 3-(*p*-methoxyphenyl)-2-phenyl-, methyl ester	1	----	1	1	1	----	----	----	----	1	1
1886	30061	Propionic acid, 3-(3,4-methylenedioxyphenyl)-, ethyl ester	1	1	1	1	1	----	----	----	1	----	----
1887	30083	Propionic acid, 3-(3,4-methylenedioxyphenyl)-, methyl ester	1	1	1	1	1	----	----	----	1	1	1
1888	30123	Propionic acid, 3-(3,4-methylenedioxyphenyl)-2-phenyl-, ethyl ester	----	----	----	----	1	----	----	----	1	----	----
1889	910	2*H*-Pyran-6-carboxylic acid, 3,4-dihydro-2,2-dimethyl-4-oxo-, ethyl ester	----	----	----	----	1	----	----	----	----	----	----
1890	24747	Pyran-2-methanol, 3,4-dihydro-, acetate	----	----	1	----	----	----	----	----	----	----	----
1891	21178	Pyran-2-methanol, tetrahydro-, acetate	1	----	----	1	----	1	1	1	1	----	----
1892	21196	Pyran-2-methanol, tetrahydro-, benzoate	1	----	----	1	----	1	----	----	----	----	----
1893	21052	4*H*-Pyran-4-one, 5-hydroxy-2-(hydroxymethyl)-, 2-acetate	----	----	----	2	1	1	----	----	----	----	----
1894	3602	Pyrocatechol, diacetate	1	1	----	1	----	----	----	----	----	----	----
1895	20956	*o*-Pyrocatechuic acid, methyl ester	----	----	----	----	1	1	----	----	----	----	----
1896	6314	Resorcinol, diacetate	1	2	2	----	----	----	----	----	----	----	----
1897	2359	Resorcinol, monoacetate	1	1	2	1	1	----	----	2	----	----	----
1898	517	Salicylic acid, benzyl ester	1	1	1	1	1	1	----	----	----	----	----
1899	513	Salicylic acid, ethyl ester	1	1	1	1	1	1	----	----	----	----	----
1900	24370	Salicylic acid, isobutyl ester	1	----	----	----	----	----	----	----	----	----	----
1901	378	Salicylic acid, isopentyl ester	1	1	1	----	1	----	----	----	----	----	----
1902	511	Salicylic acid, isopropyl ester	1	1	1	----	1	1	----	----	----	----	----
1903	90	Salicylic acid, methyl ester	1	1	1	1	----	1	1	2	1	----	----
1904	334	Salicylic acid, pentyl ester	1	1	1	----	1	1	1	----	----	----	----
1905	2933	Salicylic acid, phenethyl ester	1	1	1	----	----	----	----	----	----	----	----
1906	21009	Salicylic acid, 3-allyl-, methyl ester	2	----	----	1	1	1	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1907	24369	Salicylic acid, *p*-ethyl-, ethyl ester	1	1									
1908	393	Sebacic acid, dibutyl ester	1	1	1	1							
1909	1970	Sebacic acid, diethyl ester	1										
1910	662	Sebacic acid, dimethyl ester	1			1							
1911	20356	Senecioic acid, allethrolonyl ester	1			1		1					
1912	15510	Senecioic acid, 2-[2-(2-butoxyethoxy)-ethoxy]ethyl ester	1		1	1							
1913	21792	Sorbic acid, allyl ester	1		1	1		1				1	1
1914	14767	Sorbic acid, benzyl ester	1		1								
1915	21867	Sorbic acid. 2-butoxyethyl ester	1		2	1		1				1	1
1916	5089	Sorbic acid, butyl ester	1		1	1			2	2	1		
1917	11732	Sorbic acid. ethyl ester	1	1	1	1							
1918	21798	Sorbic acid, 2-ethylbutyl ester	1		1	1		1				1	1
1919	21845	Sorbic acid, 2-ethylhexyl ester	2		1	1		1				1	1
1920	21799	Sorbic acid, 1-ethylpropyl ester	1		1	1						1	1
1921	21794	Sorbic acid, heptyl ester	2		2	1						1	1
1922	21797	Sorbic acid, hexyl ester	1		1	1		1				1	1
1923	21774	Sorbic acid, isobutyl ester	1		1	1		1					
1924	21776	Sorbic acid, isopentyl ester	1		1	1		1	2			1	1
1925	21773	Sorbic acid, isopropyl ester	1		1	1		1					
1926	21933	Sorbic acid, 3-methoxybutyl ester	1	1	1	1		1				1	1
1927	21796	Sorbic acid, 2-methoxyethyl ester	1		1	1		1				1	1
1928	30202	Sorbic acid, methyl ester	1	1	1	1	1					1	1
1929	30680	Sorbic acid, octadecyl ester	1	1	1	1							
1930	21775	Sorbic acid, pentyl ester	1		1	1		1				1	1
1931	21847	Sorbic acid, phenethyl ester	1		1	1		1				1	1
1932	5088	Sorbic acid, propyl ester	1		1	1							
1933	21793	Sorbic acid, 2-propynyl ester	1		1	1		1				1	1
1934	31588	Stearic acid, decyl ester	1	1	1	1	1						
1935	3514	Stearic acid, diethylene glycol diester	2										
1936	31619	Stearic acid, dodecyl ester	1	1	1	2	1						
1937	31617	Stearic acid, heptyl ester	1	1	1	1	1						
1938	31551	Stearic acid, hexyl ester				1	1						
1939	31587	Stearic acid, nonyl ester	1	1	1	2	1						
1940	31618	Stearic acid, octyl ester	2	2	1	1	1						
1941	31586	Stearic acid, propyl ester	1	1	1	1	1						
1942	666	Succinic acid, dibutyl ester	1										
1943	682	Succinic acid, diethyl ester	1										
1944	16168	Succinic acid, 2,4-diacetyl-2,3-dihydroxy-, diethyl ester				1							
1945	16170	Succinic acid, hexanoyl-, diethyl ester					1						
1946	20933	Succinic acid, piperonylidene-, dimethyl ester	1	1	1	2	1	1					
1947	31799	Succinic acid, (1,1,3,5-tetramethyl-2-octenyl)-, dibutyl ester	2	1	1	1							
1948	31798	Succinic acid, (1,1,3,5-tetramethyl-2-octenyl)-, dipropyl ester	1	1	1	1							
1949	396	Tartaric acid, dibutyl ester	2	1	2		1	1					
1950	683	Tartaric acid, diethyl ester	1										
1951	3572	Tartaric acid, diisopropyl ester	1	1	1	1							
1952	522	Terpineol, acetate	1	1	2	2		1					
1953	24377	Terpineol, propionate	1										
1954	24381	Toluene-*alpha*,*alpha*-diol, 2-hydroxy-, triacetate	2	1									
1955	30127	*m*-Toluic acid, allyl ester	1		1	1	1			1	1	1	1
1956	8604	*m*-Toluic acid, benzyl ester	2		1	1							
1957	30133	*m*-Toluic acid, 2-(2-butoxyethoxy)ethyl ester	1		1	1	1			1	1	2	1
1958	30466	*m*-Toluic acid, 2-butoxyethyl ester	1		2	1	1					1	1
1959	30095	*m*-Toluic acid, butyl ester	2	1	2	1	1				1	1	1
1960	30128	*m*-Toluic acid, *sec*-butyl ester	2		3	1	1			2	1	1	1
1961	30110	*m*-Toluic acid, cyclohexyl ester	2		1	1	1			1	1	1	1
1962	30111	*m*-Toluic acid, cyclopentyl ester	1		1	1	1			2	1	1	1

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1963	30145	*m*-Toluic acid, ethyl ester	1	----	1	1	1	----	----	----	2	1	1
1964	30149	*m*-Toluic acid, 1-ethylpentyl ester	1	----	2	1	1	----	----	----	----	1	1
1965	30129	*m*-Toluic acid, 1-ethylpropyl ester	1	----	3	1	1	----	----	----	----	1	1
1966	30109	*m*-Toluic acid, heptyl ester	1	----	2	1	1	----	----	1	1	1	1
1967	30108	*m*-Toluic acid, hexyl ester	1	----	1	1	1	----	----	1	1	1	1
1968	30096	*m*-Toluic acid, isobutyl ester	2	1	2	1	1	----	----	----	1	1	1
1969	30098	*m*-Toluic acid, isopentyl ester	1	1	1	1	1	----	----	----	1	1	1
1970	30094	*m*-Toluic acid, isopropyl ester	2	2	2	1	1	----	----	----	----	1	1
1971	30134	*m*-Toluic acid, 3-methoxybutyl ester	1	----	1	1	1	----	----	1	1	1	1
1972	30104	*m*-Toluic acid, 2-methoxyethyl ester	1	----	1	1	1	----	----	1	1	2	1
1973	24382	*m*-Toluic acid, methyl ester	1	1	1	1	----	----	----	----	----	--------	--------
1974	31651	*m*-Toluic acid, 2-methylpentyl ester	1	1	1	2	----	----	----	----	----	--------	--------
1975	31650	*m*-Toluic acid, octyl ester	1	1	2	2	----	----	----	----	----	--------	--------
1976	30097	*m*-Toluic acid, pentyl ester	1	1	1	1	1	----	----	----	1	1	1
1977	30136	*m*-Toluic acid, phenethyl ester	1	----	1	1	1	----	----	2	2	1	1
1978	30135	*m*-Toluic acid, 3-phenylpropyl ester	1	----	1	1	1	----	----	----	2	1	1
1979	30093	*m*-Toluic acid, propyl ester	2	1	2	1	1	----	----	----	----	1	1
1980	30157	*m*-Toluic acid, tetrahydrofurfuryl ester	1	----	1	1	1	----	----	----	----	1	1
1981	31649	*m*-Toluic acid, *p*-tolyl ester	1	1	1	2	----	----	----	----	----	--------	--------
1982	21872	*m*-Toluic acid, 2-ethoxy-, propyl ester	----	----	----	----	----	1	----	----	----	--------	--------
1983	21490	*o*-Toluic acid, allyl ester	----	----	1	----	----	1	----	----	----	1	1
1984	21987	*o*-Toluic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	----	1	----	----	----	1	1
1985	31229	*o*-Toluic acid, 2-butoxyethyl ester	1	1	1	1	----	----	----	----	----	1	1
1986	21491	*o*-Toluic acid, butyl ester	----	----	1	1	----	1	----	----	----	1	1
1987	30086	*o*-Toluic acid, *sec*-butyl ester	1	2	3	1	1	----	----	----	1	1	1
1988	30088	*o*-Toluic acid, cyclohexyl ester	1	1	1	1	1	----	----	----	1	1	1
1989	30089	*o*-Toluic acid, cyclopentyl ester	2	1	2	1	1	----	----	----	1	1	1
1990	31388	*o*-Toluic acid, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropyl methyl ester	1	1	1	1	----	----	----	----	----	--------	--------
1991	21986	*o*-Toluic acid, 2-ethylbutyl ester	1	1	1	1	----	1	----	----	----	1	1
1992	31654	*o*-Toluic acid, 1-ethylpentyl ester	2	1	1	1	----	----	----	----	----	--------	--------
1993	30078	*o*-Toluic acid, 1-ethylpropyl ester	2	1	3	1	1	----	----	----	2	1	1
1994	21988	*o*-Toluic acid, heptyl ester	1	1	1	1	----	1	----	----	----	1	1
1995	21768	*o*-Toluic acid, isobutyl ester	2	----	2	1	----	1	----	----	----	--------	--------
1996	21770	*o*-Toluic acid, isopentyl ester	2	----	1	1	----	1	----	----	----	--------	--------
1997	21767	*o*-Toluic acid, isopropyl ester	2	----	3	----	----	----	----	----	----	--------	--------
1998	21973	*o*-Toluic acid, 3-methoxybutyl ester	1	1	1	1	----	1	----	----	----	1	1
1999	21974	*o*-Toluic acid, 2-methoxyethyl ester	1	1	1	1	----	1	----	----	----	1	1
2000	2357	*o*-Toluic acid, methyl ester	----	----	1	1	----	----	----	----	----	--------	--------
2001	21769	*o*-Toluic acid, pentyl ester	2	----	1	1	----	1	----	----	----	--------	--------
2002	31223	*o*-Toluic acid, phenethyl ester	2	1	1	----	----	----	----	----	----	--------	--------
2003	21492	*o*-Toluic acid, propyl ester	----	----	2	1	----	1	----	----	----	1	1
2004	31635	*o*-Toluic acid, 2-propynyl ester	1	1	1	----	----	----	----	----	----	1	1
2005	31643	*o*-Toluic acid, tetrahydrofurfuryl ester	1	1	1	1	----	----	----	----	----	--------	--------
2006	31633	*p*-Toluic acid, allyl ester	1	1	1	----	----	----	----	----	----	--------	--------
2007	31648	*p*-Toluic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	2	----	----	----	----	----	--------	--------
2008	31126	*p*-Toluic acid, 2-butoxyethyl ester	1	1	2	1	----	----	----	----	----	--------	--------
2009	31109	*p*-Toluic acid, butyl ester	1	1	1	1	----	----	----	----	----	1	1
2010	31646	*p*-Toluic acid, *sec*-butyl ester	1	2	1	1	----	----	----	----	----	--------	--------
2011	31645	*p*-Toluic acid, cyclopentyl ester	1	2	1	1	----	----	----	----	----	--------	--------
2012	31106	*p*-Toluic acid, ethyl ester	1	1	2	1	----	----	----	----	----	--------	--------
2013	31110	*p*-Toluic acid, isobutyl ester	1	1	1	1	----	----	----	----	----	--------	--------
2014	31124	*p*-Toluic acid, isopentyl ester	2	1	1	1	----	----	----	----	----	--------	--------
2015	31108	*p*-Toluic acid, isopropyl ester	1	1	1	1	----	----	----	----	----	--------	--------
2016	31125	*p*-Toluic acid, 2-methoxyethyl ester	1	1	1	1	----	----	----	----	----	--------	--------
2017	4243	*p*-Toluic acid, methyl ester	1	1	----	1	----	----	----	----	----	1	1
2018	31123	*p*-Toluic acid, pentyl ester	2	1	1	----	----	----	----	----	----	--------	--------
2019	31226	*p*-Toluic acid, phenethyl ester	2	1	1	1	----	----	----	----	----	--------	--------
2020	31107	*p*-Toluic acid, propyl ester	1	1	1	1	----	----	----	----	----	--------	--------
2021	31356	*p*-Toluic acid, 2-propylheptyl ester	1	1	1	----	----	----	----	----	----	--------	--------
2022	31634	*p*-Toluic acid, 2-propynyl ester	1	1	1	----	----	----	----	----	----	1	1

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
2023	31644	*p*-Toluic acid, tetrahydrofurfuryl ester	1	1	1	1	----	----	----	----	----	----	----
2024	24589	Tridecanedioic acid, cyclic ethylene ester	1	----	1	1	----	----	----	----	----	----	----
2025	30459	6-Tridecanol, 3,9-diethyl-, formate	1	----	2	1	1	----	----	----	----	1	1
2026	30500	Triethylene glycol, diformate	1	----	1	1	1	----	----	----	----	1	1
2027	21824	Tropic acid, 3-(3,4-methylenedioxyphenyl)-, methyl ester, acetate	----	----	----	----	----	----	----	----	----	1	1
2028	8085	Umbelliferone, 4-methyl-	2	----	2	----	----	----	----	----	----	----	----
2029	30499	4-Undecanol, 7-ethyl-2-methyl-, formate	1	----	2	1	1	----	----	----	----	1	1
2030	2946	Valeric acid, benzyl ester	1	----	2	1	----	----	----	----	----	----	----
2031	30051	Valeric acid, butyl ester	1	1	2	1	----	----	----	----	----	----	----
2032	30584	Valeric acid, 2-(*o-sec*-butylphenoxy)-1-methylethyl ester	2	1	2	1	1	----	----	----	----	----	----
2033	30586	Valeric acid, 2-(*p-sec*-butylphenoxy)-1-methylethyl ester	1	1	2	1	1	----	----	----	----	----	----
2034	31020	Valeric acid, 2-cyclohexylcyclohexyl ester	1	1	1	1	1	----	----	----	----	----	----
2035	30980	Valeric acid, 4-cyclohexylcyclohexyl ester	1	1	1	1	1	----	----	----	----	----	----
2036	30592	Valeric acid, cyclopentyl ester	1	1	3	1	1	----	----	----	----	----	----
2037	30736	Valeric acid, decyl ester	1	1	2	1	1	----	----	----	----	----	----
2038	30380	Valeric acid, 2,4-dimethylbenzyl ester	1	----	1	1	1	----	----	----	----	----	----
2039	30139	Valeric acid, 3,4-dimethylbenzyl ester	1	----	1	1	1	----	----	----	2	1	1
2040	24388	Valeric acid, ester with citronellol	1	----	----	----	----	----	----	----	----	----	----
2041	24389	Valeric acid, ester with geraniol	1	----	----	----	----	----	----	----	----	----	----
2042	1270	Valeric acid, ethyl ester	1	----	----	----	----	1	----	----	----	----	----
2043	30579	Valeric acid, 2-ethylhexyl ester	1	1	2	1	1	----	----	----	----	----	----
2044	30517	Valeric acid, heptyl ester	2	----	1	1	1	----	----	----	----	1	1
2045	30516	Valeric acid, hexyl ester	1	----	2	2	1	----	----	----	----	1	1
2046	24390	Valeric acid, isobutyl ester	1	----	----	----	----	----	----	----	----	----	----
2047	24391	Valeric acid, isopentyl ester	1	----	----	----	----	----	----	----	----	----	----
2048	30581	Valeric acid, 3-methoxybutyl ester	1	1	2	1	1	----	----	----	----	----	----
2049	30582	Valeric acid, 2-methoxy-1-methylethyl ester	1	1	2	1	1	----	----	----	----	----	----
2050	30064	Valeric acid, *m*-methylbenzyl ester	2	1	2	1	1	----	----	1	1	1	1
2051	30593	Valeric acid, 2-methylcyclohexyl ester	1	1	3	1	1	----	----	----	----	----	----
2052	30577	Valeric acid, octyl ester	2	1	2	1	1	----	----	----	----	----	----
2053	1269	Valeric acid, pentyl ester	3	1	----	1	----	1	----	----	----	----	----
2054	2945	Valeric acid, phenethyl ester	1	1	2	1	----	----	2	----	----	----	----
2055	30583	Valeric acid, 2-phenoxyethyl ester	1	1	1	1	1	----	----	----	----	----	----
2056	30580	Valeric acid, 3-phenylpropyl ester	1	1	1	1	1	----	----	----	----	----	----
2057	30578	Valeric acid, tetrahydrofurfuryl ester	1	1	1	1	1	----	----	----	----	----	----
2058	31361	Valeric acid, 2-ethyl-4-methyl-, butyl ester	2	1	3	1	----	----	----	----	----	1	1
2059	31364	Valeric acid, 2-ethyl-4-methyl-, propyl ester	2	2	1	1	----	----	----	----	----	1	1
2060	20878	Valeric acid, 4-hydroxy-, ethyl ester	1	1	3	1	1	1	----	----	----	----	----
2061	4327	Valeric acid, 4-hydroxy-, *gamma*-lactone	1	1	1	----	----	----	----	----	----	----	----
2062	25024	Valeric acid, 5-hydroxy-, *delta*-lactone	1	1	1	1	----	----	----	----	----	----	----
2063	30028	Valeric acid, 2-methyl-, benzyl ester	1	1	2	1	----	----	----	1	1	1	1
2064	30070	Valeric acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	1	----	----	----	2	1	1
2065	30456	Valeric acid, 2-methyl-, 2-butoxyethyl ester	1	----	1	1	1	----	----	----	----	1	1
2066	30001	Valeric acid, 2-methyl-, butyl ester	1	1	3	1	----	----	----	1	1	1	1
2067	30029	Valeric acid, 2-methyl-, cyclohexyl ester	1	1	3	1	----	----	----	2	2	1	1
2068	30030	Valeric acid, 2-methyl-, cyclopentyl ester	1	1	3	1	1	----	----	2	1	1	1
2069	30087	Valeric acid, 2-methyl-, 1,3-dimethylbutyl ester	1	1	3	1	1	----	----	----	1	1	1
2070	30067	Valeric acid, 2-methyl-, 2-ethoxyethyl ester	1	1	1	1	1	----	----	----	1	1	1

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
2071	30034	Valeric acid, 2-methyl-, 2-ethylbutyl ester	1	1	3	1	1	----	----	1	2	1	1
2072	30066	Valeric acid, 2-methyl-, 2-ethylhexyl ester	1	1	1	1	1	----	----	----	1	1	1
2073	30092	Valeric acid, 2-methyl-, 4-ethyl-1-methyloctyl ester	1	1	1	1	1	----	----	----	1	1	1
2074	30069	Valeric acid, 2-methyl-, 1-ethylpropyl ester	2	1	3	1	1	----	----	----	2	1	1
2075	30073	Valeric acid, 2-methyl-, heptyl ester	1	1	1	1	1	----	----	----	1	--------	--------
2076	30065	Valeric acid, 2-methyl-, hexyl ester	1	1	1	1	1	----	----	1	1	1	1
2077	30003	Valeric acid, 2-methyl-, isobutyl ester	1	1	3	1	----	----	----	2	2	1	1
2078	30024	Valeric acid, 2-methyl-, isopentyl ester	2	1	2	1	----	----	----	1	1	1	1
2079	21998	Valeric acid, 2-methyl-, isopropyl ester	1	1	3	1	----	1	----	----	----	1	1
2080	30031	Valeric acid, 2-methyl-, 2-methoxyethyl ester	1	1	1	1	1	----	----	----	1	1	1
2081	30091	Valeric acid, 2-methyl-, 2-methylcyclohexyl ester	2	2	3	1	1	----	----	2	1	1	1
2082	30077	Valeric acid, 2-methyl-, 4-methylcyclohexyl ester	1	1	1	1	1	----	----	----	1	1	1
2083	30004	Valeric acid, 2-methyl-, pentyl ester	1	1	1	1	----	----	----	2	1	1	1
2084	30074	Valeric acid, 2-methyl-, phenethyl ester	2	1	1	1	1	----	----	----	1	1	1
2085	30076	Valeric acid, 2-methyl-, 3-phenylpropyl ester	1	2	1	1	1	----	----	----	1	1	1
2086	21989	Valeric acid, 2-methyl-, propyl ester	1	1	1	1	----	1	----	----	----	1	1
2087	30071	Valeric acid, 2-methyl-, tetrahydrofurfuryl ester	1	1	2	1	----	----	----	----	1	1	1
2088	30964	Valeric acid, 3-oxo-, ethyl ester	1	1	1	1	1	----	----	----	----	--------	--------
2089	20165	Vanillic acid, isopropyl ester	----	----	----	----	1	1	----	----	----	--------	--------
2090	20957	Veratric acid, methyl ester	2	----	----	1	----	1	----	----	----	--------	--------
2091	24214	Vetiverol, acetate	2	1	----	----	----	----	----	----	----	--------	--------
2092	21802	*m*-Xylene-*alpha,alpha'*-diol, 4,5-dimethyl-, diacetate	1	----	1	1	----	1	----	----	----	1	1
2093	21337	*m*-Xylene-*alpha,alpha'*-diol, 4,6-dimethyl-, diacetate	1	----	1	1	----	1	----	----	----	1	1
2094	20677	*m*-Xylene-*alpha,alpha'*-diol, 4-methoxy-, diacetate	2	2	2	1	1	1	----	----	----	--------	--------
2095	20662	*m*-Xylene-*alpha,alpha'*-diol, 4-methyl-, diacetate	2	2	2	1	1	1	----	----	----	--------	--------
2096	30987	*p*-Xylene-*alpha,alpha'*-diol, diacetate	1	1	1	1	----	----	----	----	----	--------	--------
2097	20016	3,4-Xylenol, acetate	1	1	2	----	1	1	----	----	----	--------	--------
		GROUP 5.—ETHERS											
2098	11163	Acetophenone, 3',4'-dimethoxy-	3	2	2	1	1	----	1	1	1	--------	--------
2099	1029	Acetophenone, 4'-ethoxy-	1	1	----	1	----	1	----	----	----	--------	--------
2100	15892	Acetophenone, 4'-hydroxy-3'-methoxy-	2	2	----	----	----	----	----	----	----	--------	--------
2101	20853	Acetophenone, 4'-methoxy-2',6'-dimethyl-	----	----	----	----	1	1	1	1	1	--------	--------
2102	25259	Acetophenone, 4'-methoxy-2-(*p*-methoxyphenyl)-	1	1	1	1	----	----	----	1	----	1	--------
2103	30572	Acetophenone, 3',4'-methylenedioxy-	2	1	1	1	----	----	----	----	----	--------	--------
2104	4601	Acrylophenone, 3-(2-furyl)-	2	1	----	----	----	----	----	----	----	--------	--------
2105	2894	Allyl ether	1	1	----	----	----	----	----	----	----	--------	--------
2106	380	Anethole	1	----	----	1	----	----	1	----	----	--------	--------
2107	25039	*o*-Anisil	1	2	2	1	----	----	----	----	----	--------	--------
2108	23357	*p*-Anisoin	1	1	1	1	1	----	----	----	----	--------	--------
2109	42	Anisole	1	----	----	----	----	----	1	2	2	--------	--------
2110	21220	Anisole, 5-allyl-2-(2-propynyloxy)-	3	----	----	1	----	----	----	----	----	--------	--------
2111	20954	Anisole, 4-(2-butenyl)-3-(2-butenyloxy)-	2	----	----	1	----	1	----	----	----	--------	--------
2112	20953	Anisole, *m*-(2-butenyloxy)-	1	----	----	1	----	----	----	----	----	--------	--------
2113	21041	Anisole, *p*-(2-butenyloxy)-	2	----	1	1	----	1	----	----	----	--------	--------
2114	21151	Anisole, 2,4-dimethyl-	1	----	----	1	----	1	----	----	----	--------	--------
2115	21150	Anisole, 2,5-dimethyl-	1	----	1	1	----	1	1	1	1	--------	--------
2116	21152	Anisole, 2,6-dimethyl-	3	----	----	1	----	1	----	----	----	--------	--------
2117	21149	Anisole, 3,4-dimethyl-	1	----	3	1	----	----	1	1	2	--------	--------

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ETHERS—Continued											
2118	11303	Anisole, 3,5-dimethyl-	1	----	1	1	----	----	----	----	----	----	----
2119	427	Anisole, *p*-(1,1-dimethylpropyl)-	1	1	3	1	----	1	----	----	----	----	----
2120	30143	Anisole, *p*-isopropenyl-	1	----	3	1	----	----	----	----	----	----	----
2121	3431	Anisole, 2-isopropyl-5-methyl-	1	----	1	1	----	----	----	----	----	----	----
2122	3441	Anisole, 5-isopropyl-2-methyl-	1	----	1	1	----	----	----	----	----	----	----
2123	19476	Anisole, *m*-methyl-	1	1	----	----	----	1	----	----	----	----	----
2124	23983	Anisole, *o*-methyl-	1	1	1	1	----	----	----	----	----	----	----
2125	7621	Anisole, *p*-methyl-	1	----	1	1	----	1	----	----	----	----	----
2126	30037	Anisole, 2-(2-methylallyl)-	1	1	1	1	1	----	----	----	----	----	----
2127	236	Anisole, *o*-phenyl-	2	----	----	----	----	----	----	----	----	----	----
2128	228	Anisole, *p*-phenyl-	1	1	----	----	----	----	----	----	----	----	----
2129	21221	Anisole, 5-propenyl-2-(2-propynyloxy)-	3	----	1	1	----	----	----	1	1	----	----
2130	21222	Anisole, 5-propyl-2-(2-propynyloxy)-	3	----	1	1	----	1	----	----	----	1	1
2131	21223	Anisole, *o*-(2-propynyloxy)-	2	----	1	1	----	1	----	----	----	----	----
2132	1170	Anisyl alcohol	2	----	1	1	----	----	----	----	----	----	----
2133	20350	Anisyl alcohol, *alpha-tert*-butyl-	----	----	----	----	1	----	1	1	1	----	----
2134	21412	Anisyl alcohol, *alpha,alpha*-dimethyl-	1	----	----	1	----	1	----	----	----	1	1
2135	20992	Benzene, 1-allyl-2-(allyloxy)-	1	----	----	1	----	1	----	----	----	----	----
2136	24166	Benzene, 1-allyl-4-(allyloxy)-3-methoxy-	1	2	----	----	----	----	----	----	----	----	----
2137	20991	Benzene, 1-allyl-2-butoxy-	1	----	----	1	----	1	----	----	----	----	----
2138	24167	Benzene, 1-allyl-4-butoxy-3-methoxy-	2	1	----	----	----	----	----	----	----	----	----
2139	21984	Benzene, 2-allyl-1,4-dimethoxy-	1	1	1	1	----	1	----	----	----	1	1
2140	21618	Benzene, 5-allyl-4-[1-[2-(2-ethoxyethoxy)-ethoxy]ethoxy]methyl-1,2-methylenedioxy-	1	----	1	----	----	----	----	----	----	1	1
2141	24168	Benzene, 1-allyl-4-ethoxy-3-methoxy-	3	1	----	----	----	----	----	----	----	----	----
2142	31251	Benzene, 4-allyl-5-ethoxy-1,2-methylenedioxy-	2	2	1	----	----	----	----	----	----	1	1
2143	24169	Benzene, 1-allyl-4-hexyloxy-3-methoxy-	2	1	----	----	----	----	----	----	----	----	----
2144	24171	Benzene, 1-allyl-4-isobutoxy-3-methoxy-	2	----	----	----	----	----	----	----	----	----	----
2145	24472	Benzene, 1-allyl-4-(isoheptyloxy)-3-methoxy-	----	2	----	----	----	----	----	----	----	----	----
2146	24174	Benzene, 1-allyl-4-(isopentyloxy)-3-methoxy-	2	1	----	----	----	----	----	----	----	----	----
2147	24170	Benzene, 1-allyl-4-isopropoxy-3-methoxy-	2	2	----	----	----	----	----	----	----	----	----
2148	31259	Benzene, 1-allyl-2-isopropoxy-4,5-methylenedioxy-	2	2	2	1	----	----	----	----	----	1	1
2149	25124	Benzene, 1-allyl-2-methoxy-3,4-methylenedioxy-	3	1	1	1	----	----	----	----	----	----	----
2150	31217	Benzene, 1-allyl-2-methoxy-4,5-methylenedioxy-	2	2	1	1	----	----	----	----	----	1	1
2151	24175	Benzene, 1-allyl-3-methoxy-4-octyloxy-	1	1	----	----	----	----	----	----	----	----	----
2152	24176	Benzene, 1-allyl-3-methoxy-4-pentyloxy-	2	1	----	----	----	----	----	----	----	----	----
2153	24173	Benzene, 1-allyl-3-methoxy-4-propoxy-	3	1	----	----	----	----	----	----	----	----	----
2154	31252	Benzene, 1-allyl-4,5-methylenedioxy-2-propoxy-	1	1	1	----	----	----	----	----	----	1	1
2155	31248	Benzene, 1-allyl-4,5-methylenedioxy-2-(2-propynyloxy)-	2	1	1	1	----	----	----	----	----	1	1
2156	20987	Benzene, 1-allyl-2-propoxy-	1	----	----	1	----	1	----	----	----	----	----
2157	20936	Benzene, 1-(allyloxy)-2-methoxy-	1	1	----	1	----	----	----	----	----	----	----
2158	20896	Benzene, 1-(allyloxy)-4-methoxy-	1	----	----	1	----	1	----	----	----	----	----
2159	24172	Benzene, 1-(allyloxy)-2-methoxy-4-propenyl-	3	1	----	----	----	----	----	----	----	----	----
2160	20976	Benzene, 1-(allyloxy)-2-methoxy-4-propyl-	2	----	----	1	1	1	1	2	1	----	----
2161	21079	Benzene, 4-(allyloxy)-1,2-methylenedioxy-	1	1	1	1	----	1	----	----	----	----	----
2162	2931	Benzene, 1-(benzyloxy)-2-methoxy-4-propenyl-	3	2	1	1	----	----	----	----	----	----	----
2163	21226	Benzene, 1,2-bis(2-propynyloxy)-	----	----	1	1	----	1	----	----	----	1	1
2164	21934	Benzene, 4-[2-(1-butoxyethoxy)ethoxy]-methyl-1,2-methylenedioxy-	2	1	1	1	----	1	----	----	----	1	1
2165	20940	Benzene, 1-butoxy-2-methoxy-	3	----	----	1	----	1	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ETHERS—Continued											
2166	20969	Benzene, 1-butoxy-2-methoxy-4-propenyl-	2	----	----	1	----	1	----	----	----	----------	----------
2167	20977	Benzene, 1-butoxy-2-methoxy-4-propyl-	2	----	----	1	----	1	----	----	----	----------	----------
2168	10533	Benzene, *o*-di(allyloxy)-	1	1	----	1	----	----	----	----	----	----------	----------
2169	2079	Benzene, *m*-diethoxy-	1	1	1	----	----	----	----	----	----	----------	----------
2170	24177	Benzene, *o*-diethoxy-	3	2	----	----	----	----	----	----	----	----------	----------
2171	9458	Benzene, *p*-diethoxy-	2	1	----	----	----	----	----	----	----	----------	----------
2172	20943	Benzene, *o*-diisopropoxy-	1	1	3	1	1	1	----	----	----	----------	----------
2173	845	Benzene, *m*-dimethoxy-	2	1	1	----	----	----	----	----	----	----------	----------
2174	24139	Benzene, *p*-dimethoxy-	1	1	1	----	----	----	----	----	----	----------	----------
2175	21990	Benzene, 1,4-dimethoxy-2-(2-methylallyl)-	1	1	1	1	----	1	----	----	----	1	1
2176	20941	Benzene, *o*-dipropoxy-	1	1	----	1	----	1	----	----	----	----------	----------
2177	31690	Benzene, 1-(1,2-epoxypropyl)-3,4-methylenedioxy-	1	1	1	1	----	----	----	----	----	----------	----------
2178	21576	Benzene, 4-{1-[2-(2-ethoxyethoxy)-ethoxy]ethoxymethyl}-1,2-methylenedioxy-	1	----	----	----	----	----	----	----	----	----------	----------
2179	21612	Benzene, 4-[3-{1-[2-(2-ethoxyethoxy)-ethoxy] ethoxy}-2-methylpropyl]-1,2-methylenedioxy-	1	----	1	1	----	----	----	----	----	1	1
2180	21502	Benzene, 4-[(1-ethoxyethoxy)methyl]-1,2-dimethoxy-	----	----	1	----	----	1	----	----	----	1	1
2181	21257	Benzene, 4-[(1-ethoxyethoxy)methyl]-1,2-methylenedioxy-	1	----	----	----	----	----	----	----	----	----------	----------
2182	20935	Benzene, 1-ethoxy-2-methoxy-	3	1	1	1	----	1	----	1	1	----------	----------
2183	24140	Benzene, 1-ethoxy-2-methoxy-4-propenyl-	3	1	----	----	----	----	----	----	----	----------	----------
2184	20942	Benzene, 1-ethoxy-2-methoxy-4-propyl-	3	2	1	1	----	1	----	----	----	----------	----------
2185	21293	Benzene, 3-[1-(2-ethylhexyloxy)ethoxy-methyl]-1,2-dimethoxy-	2	----	1	----	----	1	----	----	----	1	1
2186	20973	Benzene, 4-(heptyloxy)-3-methoxy-1-propenyl-	1	----	----	1	----	1	----	----	----	----------	----------
2187	21982	Benzene, 4-[3-(1-isobutoxyethoxy)-2-methylpropyl]-1,2-methylenedioxy-	1	1	1	1	----	1	----	----	----	----------	----------
2188	20970	Benzene, 1-isobutoxy-2-methoxy-4-propenyl-	3	----	----	1	----	1	----	----	----	----------	----------
2189	20972	Benzene, 1-(isopentyloxy)-2-methoxy-4-propenyl-	2	----	----	1	----	1	----	----	----	----------	----------
2190	20937	Benzene, 1-isopropoxy-2-methoxy-	3	1	1	1	----	1	----	----	----	----------	----------
2191	20968	Benzene, 1-isopropoxy-2-methoxy-4-propenyl-	3	----	----	1	----	1	----	----	----	----------	----------
2192	31267	Benzene, 1-isopropoxy-2-(2-methylallyl)-4,5-methylenedioxy-	3	1	1	1	----	----	----	----	----	----------	----------
2193	31249	Benzene, 1-methoxy-2-(2-methylallyl)-4,5-methylenedioxy-	1	1	1	----	----	----	----	----	----	1	1
2194	21532	Benzene, 1-methoxy-2-(2-methylallyloxy)-	2	----	1	1	----	1	----	----	----	1	1
2195	21493	Benzene, 1-methoxy-4-(2-methyallyloxy)-	----	----	1	1	----	1	----	----	----	1	1
2196	31262	Benzene, 1-methoxy-4,5-methylenedioxy-2-propenyl-	1	1	1	----	----	----	----	----	----	----------	----------
2197	20974	Benzene, 2-methoxy-1-(octyloxy)-4-propenyl-	1	----	----	1	----	1	----	----	----	----------	----------
2198	20971	Benzene, 2-methoxy-1-(pentyloxy)-4-propenyl-	2	----	----	1	----	1	----	----	----	----------	----------
2199	30043	Benzene, 4-[3-(*p*-methoxyphenyl)propyl]-1,2-methylenedioxy-	1	1	1	1	1	----	----	----	----	----------	----------
2200	24141	Benzene, 2-methoxy-4-propenyl-1-propoxy-	2	1	----	1	----	----	----	----	----	----------	----------
2201	20938	Benzene, 1-methoxy-2-propoxy-	3	----	----	1	----	1	----	----	----	----------	----------
2202	20975	Benzene, 2-methoxy-1-propoxy-4-propyl-	2	----	----	1	----	1	----	----	----	----------	----------

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ETHERS—Continued											
2203	31253	Benzene, 4-(2-methylallyloxy)-1,2-methylenedioxy-	2	2	1	----	----	----	----	----	----	1	1
2204	30574	Benzene, 1,2-methylenedioxy-	----	----	----	----	1	----	----	----	----	----	----
2205	31256	Benzene, 1,2-methylenedioxy-4-propoxy-5-propyl-	2	1	1	1	----	----	----	----	----	1	1
2206	2077	Benzene, 1,2,3-trimethoxy-	3	----	1	1	----	----	----	----	----	----	----
2207	20797	Benzene, 1,2,4-trimethoxy-	3	1	----	1	1	----	----	----	----	----	----
2208	21755	Benzophenone, 3,4-methylenedioxy-	2	----	1	----	----	1	----	----	----	----	----
2209	31839	Benzoquinone, 2,5-dimethoxy-	1	1	1	----	----	----	----	----	----	----	----
2210	30038	Benzyl alcohol, 3-allyl-4-ethoxy-	2	1	1	1	1	----	----	----	----	1	1
2211	21418	Benzyl alcohol, *m*-(allyloxy)-	1	----	----	1	----	1	----	----	----	1	1
2212	21417	Benzyl alcohol, *o*-(allyloxy)-	1	----	----	1	----	1	----	----	----	1	1
2213	30164	Benzyl alcohol, 2-(allyloxy)-3-methoxy-	2	----	2	1	----	----	----	----	----	1	1
2214	20349	Benzyl alcohol, *alpha-tert*-butyl-*o*-methoxy-	----	----	----	1	1	1	----	----	----	----	----
2215	21333	Benzyl alcohol, *m*-ethoxy-	1	----	1	----	----	----	----	----	----	----	----
2216	21420	Benzyl alcohol, *o*-ethoxy-	1	----	----	1	----	1	----	----	----	1	1
2217	21003	Benzyl alcohol, *o*-ethoxy-*alpha,alpha*-dimethyl-	1	----	1	1	----	1	----	----	----	----	----
2218	24186	Benzyl alcohol, 4-hydroxy-3-methoxy-	1	1	1	----	----	----	----	----	----	----	----
2219	21421	Benzyl alcohol, *m*-isopropoxy-	1	----	----	1	----	1	----	----	----	1	1
2220	6505	Benzyl alcohol, *alpha*-[(2-methoxyethoxy)methyl]-	----	----	----	----	1	----	----	----	----	----	----
2221	30291	Benzyl alcohol, 3-methoxy-4-(2-methylallyl)-	1	1	1	1	1	----	----	----	----	----	----
2222	30165	Benzyl alcohol, 3-methoxy-2-propoxy-	3	----	1	1	----	----	----	----	----	----	----
2223	20591	Benzyl alcohol, *o*-methoxy-*alpha*-propyl-	----	----	----	----	1	1	----	----	----	----	----
2224	30293	Benzyl alcohol, *o*-(2-methylallyloxy)-	1	1	1	1	1	----	----	----	----	----	----
2225	6503	Benzyl alcohol, *alpha*-(propoxymethyl)-	----	----	----	----	1	----	----	----	----	----	----
2226	2269	Benzyl ether	1	1	1	1	1	1	1	----	----	----	----
2227	24920	1-Butanol, 3-methoxy-	1	1	1	1	----	----	----	----	----	----	----
2228	5903	2-Butanol, 4-(*p*-methoxyphenyl)-	1	2	----	1	----	----	----	----	----	----	----
2229	20370	2-Butanone, 4-(2,3-dimethoxyphenyl)-	2	1	1	----	----	----	----	----	----	----	----
2230	20369	2-Butanone, 4-(3,4-dimethoxyphenyl)-	2	1	1	1	----	----	----	----	----	----	----
2231	31832	2-Butanone, 4-[*p*-(2-hydroxyethoxy)-phenyl]-	----	1	----	----	----	----	----	----	----	----	----
2232	31837	2-Butanone, 4-(4-hydroxy-3-methoxyphenyl)-	----	2	----	----	----	----	----	----	----	----	----
2233	21272	2-Butanone, 4-(*o*-methoxyphenyl)-	1	2	1	1	----	1	----	----	----	----	----
2234	20279	2-Butanone, 4-(*p*-methoxyphenyl)-	2	3	1	1	1	1	1	1	1	1	1
2235	20251	2-Butanone, 4-(3,4-methylenedioxyphenyl)-	1	2	1	1	----	1	----	----	----	----	----
2236	20034	3-Buten-1-ol, 1-(*o*-methoxyphenyl)-	1	----	----	1	----	1	----	----	----	----	----
2237	20000	3-Buten-1-ol, 1-(3,4-methylenedioxyphenyl)-	1	----	----	1	----	1	----	----	----	----	----
2238	24708	3-Buten-2-ol, 4-(*p*-methoxyphenyl)-	----	----	1	1	1	----	----	1	1	----	----
2239	5777	3-Buten-2-one, 4-(2-furyl)-	2	1	2	1	----	----	----	----	----	----	----
2240	1934	3-Buten-2-one, 4-(4-hydroxy-3-methoxyphenyl)-	2	1	2	1	----	----	----	----	----	----	----
2241	21249	3-Buten-2-one, 4-(*o*-methoxyphenyl)-	2	1	2	1	----	1	----	----	----	----	----
2242	222	3-Buten-2-one, 4-(*p*-methoxyphenyl)-(Anisalacetone)	2	2	2	1	1	----	1	1	1	----	----
2243	20860	3-Buten-2-one, 4-(3,4-methylenedioxyphenyl)-	2	2	2	1	----	1	----	----	----	----	----
2244	402	Butyl ether	1	----	----	1	----	----	1	1	1	----	----
2245	25138	1-Butyne, 3-(2-hydroxyethoxy)-3-methyl-	1	1	2	1	----	1	----	----	----	----	----
2246	25050-X	Butyraldehyde, 3-ethoxy-2-oxo-, hydrate	1	1	1	1	----	----	----	----	----	----	----
2247	5514	Butyrophenone, 4-methoxy-	2	1	2	----	1	----	----	----	----	----	----
2248	21737	Chalcone, 4'-methoxy-3,4-methylenedioxy-	1	----	1	----	----	1	----	----	----	----	----
2249	17317	Chalcone, 3,4-methylenedioxy-	1	2	1	1	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ETHERS—Continued											
2250	21375	Chroman, 2-methyl-	1	----	1	1	----	1	----	----	----	1	1
2251	578	Cineole	1	1	1	1	----	----	----	----	----	--------	--------
2252	15891	Creosol	2	1	----	----	----	----	----	----	----	--------	--------
2253	24998	Cyclohexane, 2,3-epoxy-1-methyl-4-isopropenyl-	1	1	1	1	1	----	----	----	----	--------	--------
2254	21004	Cyclohexanol, 2-methoxy-	2	----	1	1	----	1	----	1	----	--------	--------
2255	39	Dibenzofuran	1	----	3	1	----	1	----	1	----	--------	--------
2256	8416	Diethylene glycol	1	----	----	1	----	----	----	----	----	--------	--------
2257	14403	*m*-Dioxane, 2-benzyl-	2	1	2	1	----	----	----	----	----	--------	--------
2258	31187	*m*-Dioxane, 2-benzyl-5-butyl-5-ethyl-	2	2	1	1	----	----	----	----	----	1	1
2259	31272	*m*-Dioxane, 2-benzyl-5,5-diethyl-2-methyl-	1	2	2	1	----	----	----	----	----	1	1
2260	31191	*m*-Dioxane, 2-benzyl-4,6-dimethyl-	1	1	1	1	----	----	----	----	----	2	1
2261	31163	*m*-Dioxane, 2-benzyl-5,5-dimethyl-	1	1	1	1	----	----	----	----	----	1	1
2262	31793	*m*-Dioxane, 2-benzyl-5-ethyl-2,5-dimethyl-	1	1	1	2	----	----	----	----	----	--------	--------
2263	14054	*m*-Dioxane, 2-benzyl-5-ethyl-4-propyl-	1	2	1	1	----	----	----	----	----	--------	--------
2264	31231	*m*-Dioxane, 2-benzyl-4-isopropyl-2,5,5-trimethyl-	1	2	2	2	----	----	----	----	----	1	1
2265	31159	*m*-Dioxane, 2-benzyl-5-methyl-	1	1	1	2	----	----	----	----	----	1	1
2266	31533	*m*-Dioxane, 2-benzyl-2,4,5,5-tetramethyl-	1	2	1	2	----	----	----	----	----	--------	--------
2267	31296	*m*-Dioxane, 2-butyl-	1	1	2	1	----	----	----	----	----	--------	--------
2268	30658	*m*-Dioxane, 5-butyl-2-(9-decenyl)-5-ethyl-	1	1	1	1	1	----	----	----	----	--------	--------
2269	30697	*m*-Dioxane, 5-butyl-2-decyl-5-ethyl-	1	1	1	1	1	----	----	----	----	--------	--------
2270	31285	*m*-Dioxane, 5-butyl-2,5-diethyl-2-phenyl-	1	1	2	1	----	----	----	----	1	1	1
2271	30910	*m*-Dioxane, 5-butyl-5-ethyl-2-(*p*-isopropylphenyl)-	1	1	1	1	1	----	----	----	----	--------	--------
2272	31807	*m*-Dioxane, 5-butyl-5-ethyl-2-(*p*-methoxyphenethyl)-2-methyl-	1	1	1	1	----	----	----	----	----	--------	--------
2273	31152	*m*-Dioxane, 5-butyl-5-ethyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	----	----	----	----	1	1	1
2274	20313	*m*-Dioxane, 5-butyl-5-ethyl-2-(3,4-methylenedioxyphenyl)-	1	----	1	1	----	1	----	----	----	--------	--------
2275	30641	*m*-Dioxane, 5-butyl-5-ethyl-2-octyl-	1	1	1	2	1	----	----	----	----	--------	--------
2276	30376	*m*-Dioxane, 5-butyl-5-ethyl-2-(*alpha*-pentylstyryl)-	1	----	1	1	1	----	----	----	----	--------	--------
2277	7061	*m*-Dioxane, 5-butyl-5-ethyl-2-(1-propenyl)-	2	1	2	1	----	----	----	----	----	--------	--------
2278	31203	*m*-Dioxane, 5-butyl-5-ethyl-2-*p*-tolyl-	2	2	1	1	----	----	----	----	----	1	1
2279	30967	*m*-Dioxane, 2-cyclopropyl-2,4-dimethyl-	----	----	----	----	1	----	----	----	----	--------	--------
2280	30653	*m*-Dioxane, 2-(9-decenyl)-	1	1	1	1	1	----	----	----	----	--------	--------
2281	30656	*m*-Dioxane, 2-(9-decenyl)-4,6-dimethyl-	1	1	1	1	1	----	----	----	----	--------	--------
2282	30655	*m*-Dioxane, 2-(9-decenyl)-5,5-dimethyl-	1	1	2	1	1	----	----	----	----	--------	--------
2283	31684	*m*-Dioxane, 2-(9-decenyl)-5-ethyl-5-methyl-	1	1	1	2	----	----	----	----	----	--------	--------
2284	31067	*m*-Dioxane, 2-(9-decenyl)-5-ethyl-4-propyl-	1	1	1	1	1	----	----	----	----	--------	--------
2285	31069	*m*-Dioxane, 2-(9-decenyl)-4-isopropyl-5,5-dimethyl-	1	1	1	1	1	----	----	----	----	--------	--------
2286	30654	*m*-Dioxane, 2-(9-decenyl)-4-methyl-	1	1	1	2	1	----	----	----	----	--------	--------
2287	30657	*m*-Dioxane, 2-(9-decenyl)-4,4,6-trimethyl-	1	1	1	1	1	----	----	----	----	--------	--------
2288	30694	*m*-Dioxane, 2-decyl-	1	1	1	1	1	----	----	----	----	--------	--------
2289	30693	*m*-Dioxane, 2-decyl-4,6-dimethyl-	1	1	1	1	1	----	----	----	----	--------	--------
2290	30695	*m*-Dioxane, 2-decyl-5,5-dimethyl-	1	1	1	1	1	----	----	----	----	--------	--------
2291	30690	*m*-Dioxane, 2-decyl-4-methyl-	1	1	1	2	1	----	----	----	----	--------	--------
2292	31681	*m*-Dioxane, 2,5-diethyl-2,5-dimethyl-	1	1	2	1	----	----	----	----	----	--------	--------
2293	31816	*m*-Dioxane, 5,5-diethyl-2-(*p*-methoxyphenethyl)-2-methyl-	1	1	1	----	----	----	----	----	----	--------	--------
2294	31270	*m*-Dioxane, 5,5-diethyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	----	----	----	----	----	1	1

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ETHERS—Continued											
2295	31796	*m*-Dioxane, 2,5-diethyl-5-methyl-2-phenyl-	1	1	2	1	----	----	----	----	----	--------	--------
2296	31274	*m*-Dioxane, 5,5-diethyl-2-methyl-2-phenyl-	2	2	3	1	----	----	----	----	----	1	1
2297	31268	*m*-Dioxane, 5,5-diethyl-2-phenyl-	1	1	1	1	----	----	----	----	----	1	1
2298	31284	*m*-Dioxane, 2,5-diethyl-2-phenyl-4-propyl-	1	1	2	1	----	----	----	----	----	1	1
2299	31275	*m*-Dioxane, 5,5-diethyl-2-*p*-tolyl-	2	1	2	1	----	----	----	----	----	--------	--------
2300	31117	*m*-Dioxane, 4,6-dimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	----	1	----	----	----	----	----	--------	--------
2301	31128	*m*-Dioxane, 5,5-dimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	2	1	----	2	----	----	----	----	----	1	1
2302	30613	*m*-Dioxane, 4,6-dimethyl-2-octyl-	1	1	1	1	1	----	----	----	----	--------	--------
2303	30614	*m*-Dioxane, 5,5-dimethyl-2-octyl-	1	1	2	1	1	----	----	----	----	--------	--------
2304	30382	*m*-Dioxane, 4,6-dimethyl-2-(*alpha*-pentylstyryl)-	1	----	1	----	1	----	----	----	----	--------	--------
2305	30677	*m*-Dioxane, 4,6-dimethyl-2-phenethyl-	1	1	2	1	1	----	----	----	----	--------	--------
2306	30679	*m*-Dioxane, 5,5-dimethyl-2-phenethyl-	1	1	1	1	1	----	----	----	----	--------	--------
2307	31198	*m*-Dioxane, 5,5-dimethyl-2-*p*-tolyl-	1	1	1	1	----	----	----	----	----	2	1
2308	31686	*m*-Dioxane, 5-ethyl-2,5-dimethyl-2-phenyl-	1	1	2	1	----	----	----	----	----	--------	--------
2309	31282	*m*-Dioxane, 2-ethyl-5,5-dimethyl-2-phenyl-	1	2	3	1	----	----	----	----	----	1	1
2310	5079	*m*-Dioxane, 2-(2-ethylhexyl)-5-hydroxy- and 1,3-Dioxolane-4-methanol, 2-(2-ethylhexyl)-	1	1	1	1	----	----	----	----	2	1	--------
2311	30909	*m*-Dioxane, 5-ethyl-2-(*p*-isopropylphenyl)-4-propyl-	2	1	1	1	1	----	----	----	----	--------	--------
2312	31818	*m*-Dioxane, 5-ethyl-2-(*p*-methoxyphenethyl)-2,5-dimethyl-	1	1	1	----	----	----	----	----	----	--------	--------
2313	31808	*m*-Dioxane, 5-ethyl-2-(*p*-methoxyphenethyl)-2-methyl-4-propyl-	1	2	1	1	----	----	----	----	----	--------	--------
2314	31151	*m*-Dioxane, 5-ethyl-2-(6-methyl-3-cyclohexen-1-yl)-4-propyl-	1	1	1	1	----	----	----	----	----	1	1
2315	20184	*m*-Dioxane, 5-ethyl-2-(3,4-methylenedioxyphenyl)-4-propyl-	1	----	1	1	----	----	----	----	----	--------	--------
2316	31683	*m*-Dioxane, 5-ethyl-5-methyl-2-(6-methyl-3-cyclohexen-1-yl)-	----	----	----	1	----	----	----	----	----	--------	--------
2317	31278	*m*-Dioxane, 2-ethyl-4-methyl-2-phenyl-	1	2	1	1	----	----	----	----	----	1	1
2318	31675	*m*-Dioxane, 5-ethyl-5-methyl-2-phenyl-	1	1	2	1	----	----	----	----	----	--------	--------
2319	31680	*m*-Dioxane, 5-ethyl-5-methyl-2-styryl-	1	1	1	1	----	----	----	----	----	--------	--------
2320	30686	*m*-Dioxane, 5-ethyl-2-phenethyl-4-propyl-	1	2	1	1	1	----	----	----	----	--------	--------
2321	21254	*m*-Dioxane, 2-ethyl-5-piperonyl-	1	----	----	----	----	1	----	----	----	1	1
2322	31204	*m*-Dioxane, 5-ethyl-4-propyl-2-*p*-tolyl-	1	2	1	1	----	----	----	----	----	--------	--------
2323	31522	*m*-Dioxane, 2-ethyl-2,4,5,5-tetramethyl-	1	1	2	1	----	----	----	----	----	--------	--------
2324	31529	*m*-Dioxane, 2-ethyl-4,5,5-trimethyl-2-phenyl-	2	2	3	1	----	----	----	----	----	--------	--------
2325	31283	*m*-Dioxane, 2-ethyl-4,4,6-trimethyl-2-phenyl-	1	1	2	1	----	----	----	----	----	1	1
2326	31153	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	2	1	1	1	----	----	----	----	----	1	1
2327	30377	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-2-(*alpha*-pentylstyryl)-	1	----	1	1	1	----	----	----	----	--------	--------
2328	31155	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-2-phenyl-	2	1	1	1	----	----	----	----	----	1	1
2329	31682	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-2-styryl-	1	1	1	1	----	----	----	----	----	--------	--------
2330	31205	*m*-Dioxane, 4-isopropyl-5,5-dimethyl-2-*p*-tolyl-	2	2	1	2	----	----	----	----	----	1	1
2331	31809	*m*-Dioxane, 4-isopropyl-2-(*p*-methoxyphenethyl)-2,5,5-trimethyl-	1	1	1	1	----	----	----	----	----	--------	--------

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ETHERS—Continued											
2332	31230	*m*-Dioxane, 4-isopropyl-2-(*p*-methoxyphenyl)-5,5-dimethyl-	2	2	1	2	----	----	----	----	----	1	1
2333	30908	*m*-Dioxane, 2-(*p*-isopropylphenyl)-5,5-dimethyl-	2	1	2	1	1	----	----	----	----	--------	--------
2334	30384	*m*-Dioxane, 2-(*p*-isopropylphenyl)-4-methyl-	2	----	1	----	1	----	----	----	----	--------	--------
2335	31480	*m*-Dioxane, 2-(*p*-methoxyphenethyl)-2,4-dimethyl-	2	2	1	1	----	----	----	----	----	--------	--------
2336	31817	*m*-Dioxane, 2-(*p*-methoxyphenethyl)-2-methyl-	1	1	1	----	----	----	----	----	----	--------	--------
2337	31815	*m*-Dioxane, 2-(*p*-methoxyphenethyl)-2,4,4,6-tetramethyl-	2	2	2	----	----	----	----	----	----	--------	--------
2338	31672	*m*-Dioxane, 2-(*p*-methoxyphenethyl)-2,5,5-trimethyl-	1	2	1	1	----	----	----	----	----	--------	--------
2339	5533	*m*-Dioxane, 4-(*p*-methoxyphenyl)-5-methyl-	1	----	----	1	----	----	----	----	----	--------	--------
2340	31524	*m*-Dioxane, 2-(*p*-methoxyphenyl)-4,5,5-trimethyl-	1	1	1	1	----	----	----	----	----	--------	--------
2341	31120	*m*-Dioxane, 2-(6-methyl-3-cyclohexenyl)-	1	1	----	1	----	----	----	----	----	--------	--------
2342	31828	*m*-Dioxane, 4-methyl-2-(*alpha*-methylbenzyl)-	1	1	1	----	----	----	----	----	----	--------	--------
2343	31115	*m*-Dioxane, 4-methyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	----	1	----	----	----	----	----	--------	--------
2344	20292	*m*-Dioxane, 4-methyl-2-(3,4-methylenedioxyphenyl)-	1	----	1	1	----	1	----	----	----	--------	--------
2345	5535	*m*-Dioxane, 5-methyl-4-(3,4-methylenedioxyphenyl)-	1	----	----	1	----	----	----	----	----	--------	--------
2346	30611	*m*-Dioxane, 4-methyl-2-octyl-	1	1	1	1	1	----	----	----	----	--------	--------
2347	30412	*m*-Dioxane, 2-methyl-2-pentyl-	1	----	2	1	1	----	----	----	----	--------	--------
2348	30362	*m*-Dioxane, 4-methyl-2-(*alpha*-pentylstyryl)-	1	----	1	1	1	----	----	----	----	--------	--------
2349	30676	*m*-Dioxane, 4-methyl-2-phenethyl-	2	1	1	1	1	----	----	----	----	--------	--------
2350	30366	*m*-Dioxane, 2-(*alpha*-pentylstyryl)-	1	1	1	1	1	----	----	----	----	--------	--------
2351	13171	*m*-Dioxane, 2-phenethyl-	1	1	1	1	----	----	----	----	----	--------	--------
2352	5849	*m*-Dioxane, 4-phenyl-	1	----	1	1	----	----	----	----	----	--------	--------
2353	31669	*m*-Dioxane, 2,4,5,5-tetramethyl-2-phenyl-	1	1	3	2	----	----	----	----	----	--------	--------
2354	31271	*m*-Dioxane, 2,5,5-triethyl-2-methyl-	1	1	3	1	----	----	----	----	----	--------	--------
2355	31418	*m*-Dioxane, 2,5,5-triethyl-2-phenyl-	1	1	3	2	----	----	----	----	----	1	1
2356	31129	*m*-Dioxane, 4,4,6-trimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	2	1	2	1	----	----	----	----	----	--------	--------
2357	31528	*m*-Dioxane, 4,5,5-trimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	2	1	3	1	----	----	----	----	----	1	1
2358	30615	*m*-Dioxane, 4,4,6-trimethyl-2-octyl-	1	1	1	1	1	----	----	----	----	--------	--------
2359	30678	*m*-Dioxane, 4,4,6-trimethyl-2-phenethyl-	2	2	1	1	1	----	----	----	----	--------	--------
2360	31536	*m*-Dioxane, 4,5,5-trimethyl-2-phenethyl-	1	1	1	1	----	----	----	----	----	--------	--------
2361	5722	*m*-Dioxane, 4,4,6-trimethyl-2-phenyl-	1	1	2	1	1	----	----	----	----	--------	--------
2362	31519	*m*-Dioxane, 4,5,5-trimethyl-2-phenyl-	1	1	1	1	----	----	----	----	----	--------	--------
2363	31202	*m*-Dioxane, 4,4,6-trimethyl-2-*p*-tolyl-	2	2	1	1	----	----	----	----	----	--------	--------
2364	31527	*m*-Dioxane, 4,5,5-trimethyl-2-*p*-tolyl-	1	1	2	1	----	----	----	----	----	1	1
2365	1055	*p*-Dioxane	1	----	1	1	----	1	----	----	----	--------	--------
2366	5103	*m*-Dioxan-5-ol, 2-(1-ethylpropyl)- and 1,3-dioxolane-4-methanol, 2-(1-ethylpropyl)-	1	1	2	1	----	----	----	1	1	--------	--------
2367	22811	1,4-Dioxaspiro[4.5]decane, 2,3,8-trimethyl-	1	1	3	1	1	1	1	----	1	--------	--------
2368	31273	6,10-Dioxaspiro[4.5]decane, 8,8-diethyl-	2	1	3	1	----	----	----	----	----	1	1
2369	31679	6,10-Dioxaspiro[4.5]decane, 8-ethyl-8-methyl-	1	1	2	1	----	----	----	----	----	--------	--------
2370	31813	6,10-Dioxaspiro[4.5]decane, 7-isopropyl-8,8-dimethyl-	1	2	2	----	----	----	----	----	----	--------	--------
2371	31526	6,10-Dioxaspiro[4.5]decane, 7,8,8-trimethyl-	1	1	2	1	----	----	----	----	----	--------	--------
2372	31824	1,4-Dioxaspiro[4.5]decane-2-butanol	1	1	1	----	----	----	----	----	----	--------	--------

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ETHERS—Continued											
2373	31825	1,4-Dioxaspiro[4.4]nonane-2-butanol	1	1	1								
2374	31276	1,5-Dioxaspiro[5.5]undecane, 3,3-diethyl-	2	1	2	1						1	1
2375	31541	1,5-Dioxaspiro[5.5]undecane, 3,3-diethyl-9-methyl-	1	2	1	1							
2376	31542	1,5-Dioxaspiro[5.5]undecane, 2,9-dimethyl-	1	1	2	1							
2377	31678	1,5-Dioxaspiro[5.5]undecane, 3-ethyl-3-methyl-	1	1	2	1							
2378	31632	1,5-Dioxaspiro[5.5]undecane, 3-ethyl-9-methyl-2-propyl-	1	1	1								
2379	31540	1,5-Dioxaspiro[5.5]undecane, 2,3,3,9-tetramethyl-	1	2	2	1							
2380	31523	1,5-Dioxaspiro[5.5]undecane, 2,3,3-trimethyl-	1	1	3	1							
2381	31631	1,5-Dioxaspiro[5.5]undecane, 3,3,9-trimethyl-	1	1	3								
2382	31161	1,3-Dioxolane, 2-benzyl-					1						
2383	31158	1,3-Dioxolane, 2-benzyl-4,5-dimethyl-	1	1	1	1						1	1
2384	31157	1,3-Dioxolane, 2-benzyl-4-methyl-	2	1	1	1						1	1
2385	24762	1,3-Dioxolane, 2-(bicyclo[2.2.1]hept-5-en-2-yl)-	1		1								
2386	24772	1,3-Dioxolane, 2-(cyclohexylmethyl)-2-methyl-	2		2					2	1		
2387	30934	1,3-Dioxolane, 2-cyclopropyl-2,4-dimethyl-	1	1	1	1	1						
2388	30935	1,3-Dioxolane, 2-cyclopropyl-2,4,5-trimethyl-	1	1	1	1	1						
2389	30649	1,3-Dioxolane, 2-(9-decenyl)-	2	1	1	1	1						
2390	30652	1,3-Dioxolane, 2-(9-decenyl)-4,5-dimethyl-	1	1	1	2	1						
2391	30651	1,3-Dioxolane, 2-(9-decenyl)-4-methyl-	2	1	1	1	1						
2392	30691	1,3-Dioxolane, 2-decyl-	2	1	1	1	1						
2393	30689	1,3-Dioxolane, 2-decyl-4,5-dimethyl-	1	1	1	1	1						
2394	30688	1,3-Dioxolane, 2-decyl-4-methyl-	1	1	1	1	1						
2395	31827	1,3-Dioxolane, 4,5-dimethyl-2-(*alpha*-methylbenzyl)-	1	1	2								
2396	31116	1,3-Dioxolane, 4,5-dimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1		1							
2397	20227	1,3-Dioxolane, 4,5-dimethyl-2-(3,4-methylenedioxyphenyl)-	1	1		1		1					
2398	30612	1,3-Dioxolane, 4,5-dimethyl-2-octyl-	2	1	2	1	1						
2399	30392	1,3-Dioxolane, 2,4-dimethyl-2-pentyl-	1	1	2	1	1						
2400	30375	1,3-Dioxolane, 4,5-dimethyl-2-(*alpha*-pentylstyryl)-	1	1	1	1	1						
2401	30674	1,3-Dioxolane, 4,5-dimethyl-2-phenethyl-	2	1	1	1	1						
2402	24754	1,3-Dioxolane, 2,2-dimethyl-4-phenyl-	1		2		1			2	1		
2403	22427	1,3-Dioxolane, 4,5-dimethyl-2-phenyl-				2	1	1	1		1		
2404	31620	1,3-Dioxolane, 2,2-dimethyl-4-tetradecyl-	1	1	1	2	1						
2405	31197	1,3-Dioxolane, 4,5-dimethyl-2-*p*-tolyl-	2	1	3	1						1	1
2406	31279	1,3-Dioxolane, 2-ethyl-4,5-dimethyl-2-phenyl-	2	2	2	1						1	1
2407	24755	1,3-Dioxolane, 2-ethyl-2-methyl-4-phenyl-	1		2								
2408	31277	1,3-Dioxolane, 2-ethyl-4-methyl-2-phenyl-	2	2	2	1						1	1
2409	31299	1,3-Dioxolane, 2-ethyl-2-phenyl-	2	1	2	1						1	1
2410	30907	1,3-Dioxolane, 2-(*p*-isopropylphenyl)-	1	1	1	1	1						
2411	30904	1,3-Dioxolane, 2-(*p*-isopropylphenyl)-4,5-dimethyl-	2	1	1	1	1						
2412	30383	1,3-Dioxolane, 2-(*p*-isopropylphenyl)-4-methyl-	3		1		1						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ETHERS—Continued											
2413	24763	1,3-Dioxolane, 2-(2-methoxyethyl)-4-phenyl-	1	----	1	1	1	----	----	2	1	----	----
2414	31479	1,3-Dioxolane, 2-(*p*-methoxyphenethyl)-2,4-dimethyl-	2	2	1	1	----	----	----	----	----	----	----
2415	31481	1,3-Dioxolane, 2-(*p*-methoxyphenethyl)-2-methyl-	2	2	1	1	----	----	----	----	----	----	----
2416	31482	1,3-Dioxolane, 2-(*p*-methoxyphenethyl)-2,4,5-trimethyl-	2	2	1	1	----	----	----	----	----	----	----
2417	20390	1,3-Dioxolane, 2-(*p*-methoxyphenyl)-4,5-dimethyl-	1	1	1	1	1	1	1	1	2	----	----
2418	31829	1,3-Dioxolane, 2-(*alpha*-methylbenzyl)-	2	1	2	----	----	----	----	----	----	----	----
2419	31112	1,3-Dioxolane, 2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	----	----	----	----	----	----	----
2420	31826	1,3-Dioxolane, 4-methyl-2-(*alpha*-methylbenzyl)-	2	1	2	----	----	----	1	----	----	----	----
2421	31122	1,3-Dioxolane, 4-methyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	----	1	----	----	----	----	----	----	----
2422	20182	1,3-Dioxolane, 4-methyl-2-(3,4-methylenedioxyphenyl)-	1	----	1	----	----	----	----	----	----	----	----
2423	31504	1,3-Dioxolane, 4-methyl-2-(1-naphthyl)-	1	1	1	1	----	----	----	----	----	----	----
2424	30604	1,3-Dioxolane, 4-methyl-2-octyl-	1	1	1	1	1	----	----	----	----	----	----
2425	30363	1,3-Dioxolane, 4-methyl-2-(*alpha*-pentylstyryl)-	1	----	3	1	1	----	----	----	----	----	----
2426	30673	1,3-Dioxolane, 4-methyl-2-phenethyl-	2	2	1	1	1	----	----	----	----	----	----
2427	30605	1,3-Dioxolane, 2-octyl-	1	1	1	1	1	----	----	----	----	----	----
2428	30361	1,3-Dioxolane, 2-(*alpha*-pentylstyryl)-	1	----	2	1	1	----	----	----	----	----	----
2429	30675	1,3-Dioxolane, 2-phenethyl-	1	1	1	1	1	----	----	----	----	----	----
2430	24753	1,3-Dioxolane, 4-phenyl-	1	----	1	----	1	----	----	2	1	----	----
2431	31821	1,3-Dioxolane-4-butanol, 2,2-dimethyl-	1	1	1	----	----	----	----	----	----	----	----
2432	31823	1,3-Dioxolane-4-butanol, 2-methyl-2-propyl-	1	1	1	----	----	----	----	----	----	----	----
2433	31819	1,3-Dioxolane-4-butanol, 2-phenyl-	1	1	2	----	----	----	----	----	----	----	----
2434	31822	1,3-Dioxolane-4-butanol, 2-propyl-	1	1	1	----	----	----	----	----	----	----	----
2435	25143	1,3-Dioxolane-2-methanol, *alpha*-ethyl-4-(hydroxymethyl)-*alpha*,2-dimethyl-	1	1	1	1	----	1	----	----	----	----	----
	5103	1,3-Dioxolane-4-methanol, 2-(1-ethylpropyl)- and *m*-dioxan-5-ol, 2-(1-ethylpropyl)- (*See* item 2366.)											
2436	14199	Dodecane, 1,2-epoxy-	----	----	----	1	1	----	----	----	----	----	----
2437	20815	Elemicin	2	2	1	1	----	----	----	----	----	----	----
2438	31842	Epoxy compound of 4-(*p*-hydroxyphenyl)-2-butanone (crude)	2	1	2	----	----	----	----	----	----	----	----
2439	17969	*o*-Estragole	1	----	----	1	----	----	----	----	----	----	----
2440	10055	*o*-Estragole, 4-methyl-	1	1	1	1	----	----	----	----	----	----	----
2441	16052	*p*-Estragole (or Methyl chavicol)	2	1	3	1	----	----	----	----	----	----	----
2442	25056	Ethane, 1-[2-(2-butoxyethoxy)ethoxy]-2-(vinyloxy)-	1	----	1	1	----	----	----	2	1	----	----
2443	25055	Ethane, 1-(2-butoxyethoxy)-2-(vinyloxy)-	3	----	1	1	----	----	----	1	1	----	----
2444	14413	Ethane, 1-butoxy-2-(vinyloxy)-	1	----	2	1	----	----	----	2	1	----	----
2445	24757	Ethane, 1,2-dimethoxy-1-phenyl-	1	----	1	1	----	----	----	2	1	----	----
2446	25061	Ethane, 1-[2-(2-ethoxyethoxy)ethoxy]-2-(vinyloxy)-	1	----	1	1	----	----	----	----	----	----	----
2447	25057	Ethane, 1-(2-ethoxyethoxy)-2-(vinyloxy)-	1	----	1	1	----	----	----	1	1	----	----
2448	18434	Ethane, 1-methoxy-2-(vinyloxy)-	1	1	1	1	----	----	----	1	1	----	----
2449	9903	Ethanol, 2-butoxy-	----	1	1	----	----	----	----	----	----	----	----
2450	30236	Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-	1	1	1	----	----	----	----	----	----	----	----
2451	33	Ethanol, 2-(*p-tert*-butylphenoxy)-	1	----	----	1	----	1	----	----	----	----	----
2452	5014	Ethanol, 2-(carvacryloxy)-	1	1	1	2	1	----	----	----	----	----	----
2453	9112	Ethanol, 2-(2,5-diisobutylphenoxy)-	1	1	----	----	1	----	----	----	----	----	----
2454	1236	Ethanol, 2-ethoxy-	1	2	----	----	----	----	----	----	----	----	----
2455	1740	Ethanol, 2-(2-ethoxyethoxy)-	----	1	----	----	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ETHERS—Continued											
2456	18363	Ethanol, 2-methoxy-	1	1					2				
2457	31373	Ethanol, 2-(3,4-methylenedioxyphenyl)-	1	1	1							1	1
2458	30229	Ethanol, 2-propoxy-	2	2	1	1	1					1	1
2459	31596	Ether, allyl cetyl	1	1	1	1							
2460	31573	Ether, allyl dodecyl	1	1	1	1							
2461	24223	Ether, allyl ethyl	1	1									
2462	31571	Ether, allyl heptyl	1	1	2	1							
2463	31570	Ether, allyl hexyl	1	1	2	1							
2464	31595	Ether, allyl myristyl	1	1	1	1							
2465	31572	Ether, allyl octyl	1	1	2	1		1					
2466	3143	Ether, allyl phenyl	1	1	1	1	1	1					
2467	23749	Ether, allyl *p*-(1,1,3,3-tetramethylbutyl)-benzyl					1						
2468	25058	Ether, allyl vinyl	1		1	1				2	1		
2469	22104	Ether, benzhydryl butyl					1						
2470	948	Ether, benzyl butyl	2	1	1	1	1						
2471	21993	Ether, benzyl methyl	1	1	1	1	1	1				1	1
2472	11671	Ether, benzyl 2-phenylpropyl					1						
2473	2160	Ether, 2-biphenylyl butyl					1						
2474	23747	Ether, bis(3(and 5)-allyloxy-4(and 3)-pentenyl)					1						
2475	19431	Ether, bis[2-(2-butoxyethoxy)ethyl]					1	1					
2476	2291	Ether, bis(2-cyclohexylethyl)					1						
2477	2292	Ether, bis(3-cyclohexylpropyl)					1						
2478	19428	Ether, bis(2-ethoxyethyl)	1	1			1	1					
2479	9164	Ether, bis(2-eugenyloxyethyl)					2						
2480	2472	Ether, bis(isopropyltolyl)					1						
2481	7787	Ether, bis(*p*-methoxybenzyl)					1						
2482	24224	Ether, bis[2-(2-methoxyethoxy)ethyl]	1	1									
2483	23142	Ether, bis(*p*-methoxyphenoxymethyl)					1						
2484	2895	Ether, bis(2-methylallyl)					1						
2485	15478	Ether, bis(2-phenoxyethyl)					1						
2486	2295	Ether, bis(3-phenylpropyl)					1						
2487	2159	Ether, 5-*tert*-butyl-2-biphenylyl ethyl					1						
2488	7832	Ether, x-*tert*-butyl-3-biphenylyl isopropyl					1						
2489	446	Ether, butyl phenyl	1										
2490	18170	Ether, *p*-*tert*-butylphenyl phenyl					1						
2491	20325	Ether, butyl *p*-(1,1,3,3-tetramethylbutyl)-phenyl					1	1					
2492	24225	Ether, butyl vinyl	1	1	1	1	1				1		
2493	25059	Ether, 2-ethylhexyl vinyl	2		1	1				2	1		
2494	24226	Ether, ethyl vinyl	1		1	1				2	1		
2495	21570	Ether, isobutyl phenyl	1			1	1	1				1	1
2496	18425	Ether, isobutyl vinyl	1		1	1				1	1		
2497	24227	Ether, phenyl propyl	1	1	1		1						
2498	20702	Ether, piperonyl 2-tetrahydropyranyl	1	1	1	1		1					
2499	20326	Ether, *p*-(1,1,3,3-tetramethylbutyl)-phenyl propyl					1	1					
2500	24233	Ethyl ether	1										
2501	86	Eugenol	3		1	1			1	1	1		
2502	24244	Furan	1	2									
2503	25060	Furan, 2,5-diethoxytetrahydro-	1		1	1							
2504	23593	Furan, 3,5-diethyltetrahydro-2,5-dimethyl-	1		1								
2505	21212	Furan, 2,5-dimethyl-	2	1									
2506	24245	Furan, 2-methyl-	1	1									
2507	7570	Furan, tetrahydro-	1	1									
2508	30795	Furan, tetrahydro-2-(methoxymethyl)-	1	1	1	1						1	1
2509	25141	Furan, tetrahydro-2,2,5,5-tetramethyl-	1	1	1	2	1			1	1		
2510	20005	Furfuryl alcohol, *alpha*-allyl-	1			1		1					
2511	5615	Guaiacol	3	2				1	1	2	1		
2512	25315	Hexadecane, 1,2-epoxy- and octadecane, 1,2-epoxy-					2						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ETHERS—Continued											
2513	30928	3-Hexanone, 1-(*p*-methoxyphenyl)-	2	1	1	1	1						
2514	30929	3-Hexanone, 1-(*p*-methoxyphenyl)-5-methyl-	1	1	1	1	1						
2515	30924	1-Hexen-3-one, 1-(*p*-methoxyphenyl)-	2	2	2	1	1						
2516	30925	1-Hexen-3-one, 1-(*p*-methoxyphenyl)-5-methyl-	2	1	2	1	1						
2517	1454	Hexyl ether	1	1									
2518	25149	3-Hexyne, 2,5-diethoxy-2,5-dimethyl-	1	2	1	1	1			1	1		
2519	15356	Isoeugenol	3			1		1	2	1	2		
2520	2268	Isopentyl ether	1	1					2				
2521	24270	Isopropyl ether	1	1									
2522	2068	Isosafrole	2	1		1		1		2	1		
2523	9089	Maltose	1	2									
2524	11571	Methane, di-*tert*-butoxy-					1		1	2	2		
2525	24286	Methane, diethoxy-	1	2									
2526	24287	Methane, dipropoxy-					1						
2527	24622	2,5-Methano-2*H*-indeno[1,2-*b*]oxirene, 4,4′-[oxybis(ethyleneoxy)]bis[octahydro-	1			1							
2528	947	Naphthalene, 1-(benzyloxy)-					1						
2529	179	Naphthalene, 1-ethoxy-	2	1									
2530	132	Naphthalene, 2-ethoxy-	1	1									
2531	2144	Naphthalene, 1-methoxy-	1	1									
2532	21213	Naphthalene, 2-methoxy-	2	1		1		1	1	2	1		
2533	30292	2-Naphthalenemethanol, 3-methoxy-	1	1	1	1							
2534	24293	Nerolin	1	1									
2535	30927	1-Nonen-3-one, 1-(*p*-methoxyphenyl)-	1	1	2	1	1						
	25315	Octadecane, 1,2 epoxy- and hexadecane, 1,2 epoxy- (*See* item 2512.)											
2536	25092	1,6-Octadiene, 3-methoxy-3,7-dimethyl-	1		2	1	1			1	2		
2537	25054	Octane, 2,3-epoxy-				1	1						
2538	30930	3-Octanone, 1-(*p*-methoxyphenyl)-	1	1	1	2	1						
2539	30926	1-Octen-3-one, 1-(*p*-methoxyphenyl)-	1	1	2	1	1						
2540	3115	Paraldehyde	1						1				
2541	24751	3-Pentanone, 1-(*p*-methoxyphenyl)-			1					2	1		
2542	30921	1-Penten-3-one, 1-(2-hydroxy-3-methoxyphenyl)-	2	1	2	1	1						
2543	30959	1-Penten-3-one, 4-hydroxy-1-(*p*-methoxyphenyl)-4-methyl-	2	1	2	1							
2544	21250	1-Penten-3-one, 1-(*o*-methoxyphenyl)-	1	1	1	1	1	1	1	2	2		
2545	30922	1-Penten-3-one, 1-(*p*-methoxyphenyl)-	1	1	1	1	1						
2546	30923	1-Penten-3-one, 1-(*p*-methoxyphenyl)-4-methyl-	1	1	2	1	1						
2547	5898	Phenethyl alcohol, *p*-butoxy-	1		1	1		1					
2548	5616	Phenetole	1	2		1		1					
2549	20952	Phenetole, *o*-allyl-	1			1		1		1	1		
2550	10056	Phenetole, 2-allyl-4-methyl-	1	1	1	1							
2551	21005	Phenetole, *o*-isopropenyl-	1			1							
2552	24476	Phenetole, *m*-methyl-		1									
2553	24340	Phenetole, *o*-methyl-	1	1									
2554	24341	Phenetole, *p*-methyl-	1	1									
2555	23057	Phenol, 4-allyl-2,6-dimethoxy-	3	2	3								
2556	17109	Phenol, 2-allyl-4-methoxy-	3			1							
2557	30303	Phenol, 2-allyl-4,5-methylenedioxy-	1	2	1	1							
2558	21042	Phenol, 2-(2-butenyl)-4-methoxy-	2			1		1					
2559	23971	Phenol, 2-(butoxymethoxy)-5-(1-propenyl)- (2 parts) and phenol, 2-(butoxymethoxy)-4-(1-propenyl)- (1 part)	2			1							
2560	11189	Phenol, 2,6-dimethoxy-	2	1									
2561	795	Phenol, *m*-ethoxy-	1	1	2	1							
2562	25000	Phenol, 2-ethoxy-5-propenyl-	1	1	1	1							
2563	796	Phenol, *m*-methoxy-	2	1	1	1							
2564	841	Phenol, *p*-methoxy-	2	2									

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ETHERS—Continued											
2565	21494	Phenol, 4-methoxy-2-(2-methylallyl)-	----	----	1	1	----	1	----	----	----	1	1
2566	31250	Phenol, 2-(2-methylallyl)-4,5-methylenedioxy-	1	----	1	----	----	----	----	----	----	--------	--------
2567	749	Phenyl ether	1	----	----	1	----	1	1	----	----	--------	--------
2568	24997	Pinane, 2,3-epoxy-	1	1	1	1	1	----	----	----	----	--------	--------
2569	20293	Piperonyl alcohol, *alpha-tert*-butyl-	1	----	1	2	1	1	1	1	1	--------	--------
2570	21037	Piperonyl alcohol, *alpha*-(*o*-methylphenyl)-	1	----	1	1	----	1	----	----	----	--------	--------
2571	21057	Piperonyl alcohol, *alpha*-(*p*-methylphenyl)-	1	----	1	1	----	1	----	----	----	--------	--------
2572	20381	Piperonyl alcohol, *alpha*-(2-methyl-2-propenyl)-	1	----	----	1	----	1	----	----	----	--------	--------
2573	20085	Piperonyl alcohol, *alpha*-propyl-	2	----	----	1	----	1	----	----	----	--------	--------
2574	16012	Piperonyl alcohol, 6-propyl-	1	----	----	1	----	----	1	2	2	--------	--------
2575	14250	Piperonyl butoxide (or Toluene, *alpha*-[2-(2-butoxyethoxy)ethoxy]-4,5-methylenedioxy-2-propyl-)	1	----	----	1	----	----	----	----	----	--------	--------
2576	3550	1,2-Propanediol, 3-methoxy-	2	1	----	----	----	----	----	----	----	--------	--------
2577	24947	1,2-Propanediol, 3-(*o*-methoxyphenoxy)-	1	1	1	1	----	----	----	----	----	--------	--------
2578	21347	1,3-Propanediol, 1-(3,4-methylenedioxyphenyl)-2-phenyl-	2	----	1	1	----	1	----	----	----	2	1
2579	21016	1-Propanol, 2-methyl-3-(3,4-methylenedioxyphenyl)-	1	----	----	1	----	1	----	----	----	--------	--------
2580	31015	1-Propanol, 3-(3-phenoxypropoxy)-	1	1	1	1	1	----	----	----	----	--------	--------
2581	3551	2-Propanol, 1,3-dimethoxy-	1	1	1	----	----	----	----	----	----	--------	--------
2582	15573	2-Propanol, 1-methoxy-	1	1	1	1	----	----	----	----	----	--------	--------
2583	1233	2-Propanol, 1,1′-oxydi-	2	2	----	----	----	----	----	----	----	--------	--------
2584	30059	2-Propanone, 1-(3,4-methylenedioxyphenyl)-	2	1	1	1	1	----	----	----	1	1	1
2585	30701	2-Propen-1-ol, 3-(3,4-methylenedioxyphenyl)-2-phenyl-	----	----	----	----	1	----	----	----	----	--------	--------
2586	4094	Propiophenone, 4′-methoxy-	2	1	1	1	----	----	----	----	----	--------	--------
2587	21874	Propiophenone, 4′-methoxy-3-(3,4-methylenedioxyphenyl)-	2	1	1	1	----	1	----	----	----	--------	--------
2588	31258	Propiophenone, 3′,4′-methylenedioxy-	1	1	1	----	----	----	----	----	----	1	1
2589	30337	Pyran, 2-(2-allyl-4,5-methylenedioxyphenoxy)tetrahydro-	1	1	1	1	1	----	----	----	----	--------	--------
2590	31380	Pyran, 2-[2-(2-butoxyethoxy)ethoxy]-tetrahydro-	1	2	2	1	----	----	----	----	----	1	1
2591	30005	Pyran, tetrahydro-2-(*p*-methoxyphenoxy)-	1	1	2	1	----	----	----	2	1	--------	--------
2592	31397	Pyran, tetrahydro-2-(2-methoxy-1-methylethoxy)-	----	----	----	1	----	----	----	----	----	--------	--------
2593	30238	Pyran, tetrahydro-2-(2-propynyloxy)-	1	1	1	1	1	----	----	----	----	2	1
2594	24750	2*H*-Pyran, 2-ethoxy-3,4-dihydro-	1	----	1	1	----	----	----	2	1	--------	--------
2595	24752	Pyran-2-methanol, 3,4-dihydro-	----	----	1	----	1	----	----	2	1	--------	--------
2596	14307	Pyran-2-methanol, tetrahydro-	----	----	1	----	----	----	----	----	----	--------	--------
2597	20945	4*H*-Pyran-4-one, 2-(hydroxymethyl)-5-methoxy-	----	----	----	----	1	----	----	----	----	--------	--------
2598	21349	Pyrocatechol, 3-methoxy-	2	----	1	----	----	----	----	----	----	1	1
2599	514	Safrole	1	1	----	1	----	----	1	----	----	--------	--------
2600	30044	*o*-Safrole	----	----	----	----	1	----	----	----	----	--------	--------
2601	811	Sesamin	1	----	1	1	----	----	----	----	----	--------	--------
2602	9085	Sucrose	2	2	1	----	----	----	----	----	----	--------	--------
2603	24999	2,4,8,10-Tetroxaspiro[5.5]undecane, 3,9-divinyl-	1	1	1	1	----	----	----	----	----	--------	--------
2604	21137	Toluene, 3,5-dimethoxy-	3	----	1	1	----	1	----	----	----	--------	--------
2605	1453	Triethylene glycol	1	1	----	----	----	----	----	----	----	--------	--------
2606	2281	Veratrole	2	1	----	----	----	----	----	1	1	--------	--------
2607	20965	Veratrole, 3-allyl-	3	----	----	1	1	1	----	----	----	--------	--------
2608	21040	Veratrole, 4-allyl- (or Methyleugenol)	3	----	1	----	1	1	1	1	1	--------	--------
2609	31266	Veratrole, 3-(2-methylallyl)-	3	1	1	1	----	----	----	----	----	1	1
2610	20967	Veratrole, 4-propenyl-	3	----	----	1	1	1	1	1	1	--------	--------

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ETHERS—Continued											
2611	20939	Veratrole, 4-propyl-	3	----	1	1	----	1	----	1	1	----	----
2612	21225	Veratrole, 4-(2-propynyl)-	3	----	1	1	----	1	----	----	----	----	----
2613	24181	Veratryl alcohol	3	3	2	1	----	----	----	2	----	----	----
2614	30371	*m*-Xylene, 4,6-bis(ethoxymethyl)-	1	----	2	1	1	----	----	----	----	----	----
2615	19010	Xylose	----	1	----	----	----	----	----	----	----	----	----
		GROUP 6.—KETONES											
2616	673	1-Acetonaphthone	1	1	1	1	----	1	----	----	----	----	----
2617	642	2-Acetonaphthone	2	----	1	1	----	----	----	----	----	----	----
2618	1238	Acetone	1	----	----	----	----	----	----	----	----	----	----
2619	575	Acetophenone	1	1	1	1	----	1	1	1	2	----	----
2620	866	Acetophenone, 2′,4′-dihydroxy-	1	1	----	----	----	----	----	----	----	----	----
2621	8507	Acetophenone, 4′-ethyl-	1	1	----	----	----	----	----	----	----	----	----
2622	12134	Acetophenone, 2′-hydroxy-	1	1	1	1	----	----	----	----	----	----	----
2623	12133	Acetophenone, 4′-hydroxy-	1	1	1	1	----	----	----	----	----	----	----
2624	227	Acetophenone, 4′-methoxy-	1	1	1	----	----	----	----	----	----	----	----
2625	734	Acetophenone, 4′-methyl-	1	1	2	1	----	1	1	----	----	----	----
2626	898	Benzil	1	2	----	1	----	1	----	2	1	----	----
2627	754	Benzophenone	1	----	----	1	----	----	----	----	----	----	----
2628	9068	*p*-Benzoquinone	2	1	----	1	----	----	----	----	----	----	----
2629	3313	2,3-Butanedione	1	1	----	1	----	1	1	2	1	----	----
2630	7540	2-Butanone	1	----	----	----	----	----	1	----	----	----	----
2631	3314	2-Butanone, 3-hydroxy-	1	2	----	1	----	1	----	----	----	----	----
2632	23404	2-Butanone, 3-hydroxy-3-methyl-	1	1	1	1	1	----	----	----	----	----	----
2633	25144	2-Butanone, 3-hydroxy-3-phenyl-	2	1	1	1	1	----	----	2	1	----	----
2634	31830	2-Butanone, 4-(*o*-hydroxyphenyl)-	1	1	1	1	----	----	----	----	----	----	----
2635	21273	2-Butanone, 4-(*p*-isopropylphenyl)-	1	2	1	2	----	1	----	1	2	----	----
2636	24194	2-Butanone, 3-methyl-	2	----	----	----	----	----	----	----	----	----	----
2637	25082	2-Butanone, 4-(2-methyl-5-isopropenyl-1-cyclopenten-1-yl)-	1	----	1	1	1	----	----	1	1	----	----
2638	24790	2-Butanone, 3-methyl-4-phenyl-	2	----	2	----	1	----	----	2	1	----	----
2639	24791	2-Butanone, 3-methyl-4-*p*-tolyl-	1	----	2	----	----	----	----	----	----	----	----
2640	15123	2-Butanone, 4-phenyl-	2	3	2	1	----	----	1	1	1	----	----
2641	21979	2-Butanone, 4-*o*-tolyl-	1	1	2	1	----	1	----	----	----	1	1
2642	20955	2-Butanone, 4-*p*-tolyl-	2	3	1	1	----	----	----	----	----	----	----
2643	21978	2-Butanone, 4-(2,4-xylyl)-	1	1	1	1	----	1	----	----	----	1	1
2644	24769	3-Buten-2-one, 4-cyclohexyl-	1	1	1	----	1	----	----	2	1	----	----
2645	23864	3-Buten-2-one, 4-(*o*-hydroxyphenyl)-	3	1	2	1	----	----	----	----	----	----	----
2646	21252	3-Buten-2-one, 4-(*p*-isopropylphenyl)-	1	1	----	1	----	1	----	----	----	----	----
2647	21980	3-Buten-2-one, 4-(1-methyl-3-cyclohexen-1-yl)-	1	1	1	1	----	1	----	----	----	1	1
2648	24756	3-Buten-2-one, 4-(2-norcamphanyl)-	1	1	1	----	1	----	----	2	1	----	----
2649	944	3-Buten-2-one, 4-phenyl-	1	2	1	1	----	----	----	----	----	----	----
2650	21938	3-Buten-2-one, 4-*o*-tolyl-	1	1	1	1	----	1	----	----	----	1	1
2651	24774	3-Buten-2-one, 4-(2,4,6-trimethyl-3-cyclohexen-1-yl)-	1	1	1	----	1	----	----	2	1	----	----
2652	21977	3-Buten-2-one, 4-(2,4-xylyl)-	1	1	1	1	----	1	----	----	----	1	1
2653	2062	Butyrophenone	1	1	1	----	----	----	----	----	----	----	----
2654	1698	Camphor	1	----	----	1	----	----	----	----	----	----	----
2655	25044	Camphorquinone	1	1	1	1	----	----	----	----	----	----	----
2656	10020	Carvone	1	1	1	1	----	----	----	----	----	----	----
2657	946	Chalcone	1	1	2	----	----	----	----	----	----	----	----
2658	25042	1,2-Cyclohexanedione	----	----	----	1	----	----	----	----	----	----	----
2659	19939	1,3-Cyclohexanedione, 5,5-dimethyl-	1	1	1	1	----	1	----	----	----	----	----
2660	41	Cyclohexanone	----	2	----	1	----	1	----	----	----	----	----
2661	5634	Cyclohexanone, 3-methyl-	1	1	1	1	----	----	----	----	----	----	----
2662	25131	4-Cyclohexene-1,3-dione, 2-acetyl-4,6,6-trimethyl-	1	1	1	1	----	----	----	----	----	----	----
2663	21772	2-Cyclohexen-1-one, 3,5-dimethyl-	1	----	1	1	----	1	----	----	----	----	----
2664	13216	Cyclohexyl methyl ketone	1	1	1	2	----	----	----	----	----	----	----
2665	11009	Cyclohexyl phenyl ketone	1	----	1	1	----	----	----	2	1	----	----
2666	30544	2-Cyclopenten-1-one, 2-(3-butenyl)-3-methyl-	1	1	1	1	1	----	----	----	----	----	----
2667	16169	2-Cyclopenten-1-one, 2-butyl-3-methyl-	1	----	----	1	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		KETONES—Continued											
2668	24269	2-Cyclopenten-1-one, 2-hexyl-	1	1	1	1							
2669	736	Fenchone	1		1	1							
2670	858	9-Fluorenone					1						
2671	25071	3,5-Heptadien-2-one, 6-methyl-	1		1	1	1			2	1		
2672	1230	2-Heptanone	2			1		1		1	2		
2673	11270	4-Heptanone, 2,6-dimethyl-	1	1	2	1		1	2				
2674	5639	5-Hepten-2-one, 6-methyl-	1		1	1	1			1	1	1	1
2675	25072	5-Hepten-2-one, 6-phenyl-	1		1	1	1			2	1		
2676	2399	2,5-Hexanedione	1	1	1	1		1					
2677	24765	2-Hexanone, 1-phenyl-	2	1	1		1			2	1		
2678	21936	3-Hexanone, 1-phenyl-	1	1	1	1		1		1	2	1	1
2679	21919	1-Hexen-3-one, 1-phenyl-	2	1	1	1		1				1	1
2680	21995	5-Hexen-2-one	1	1	1	1		1				1	1
2681	30525	5-Hexen-2-one, 3-allyl-	2	1	1	1	1						
2682	25041	1,2-Indandione	1	1	1	1							
2683	16056	*alpha*-Ionone	1	2	1		1				1		
2684	25073	*beta*-Ionone	1	1	1	1	1			2	1		
2685	24259	*beta*-Ionone, methyl-	2	2	1								
2686	46	Isophorone			1	1				2	1		
2687	24278	Levulose	1	2									
2688	11106	Menthone	1	1	1	1				1	2		
2689	7702	Mesityl oxide	2	1		1		1					
2690	24292	1,4-Naphthoquinone	2	1									
2691	12099	1,4-Naphthoquinone, 2-hydroxy-	1	1	2	1				2			
2692	24780	2-Nonanone, 3-hydroxy-3-methyl-	1		1					2	1		
2693	24783	2-Nonanone, 3-methyl-	1		1								
2694	25086	5-Nonen-2-one, 9-cyclohexylidene-6-methyl-	1		1	1	1				1		
2695	5617	2-Octanone	1	1	2	1							
2696	12213	4-Octanone, 6-hydroxy-2,7-dimethyl-					1						
2697	24714	6-Octen-2-one, 3,7-dimethyl-			3	1	1			1	1		
2698	30769	1,5-Pentanedione, 1,3,5-triphenyl-					1						
2699	2266	2,4-Pentanedione	1	2		1							
2700	25137	2-Pentanone, 3-hydroxy-3-methyl-	1	1	2	1	1	1		1	1		
2701	45	2-Pentanone, 4-hydroxy-4-methyl-	1	1	1	1							
2702	1229	2-Pentanone, 4-methyl-	1						1				
2703	11065	2-Pentanone, 4-methyl-1-phenyl-	2	2	2	1							
2704	24796	2-Pentanone, 4-methyl-4-phenyl-	2	1	2		1				1		
2705	24761	2-Pentanone, 1-phenyl-	2	2	1		1			2	1		
2706	24337	3-Pentanone	1	2	1								
2707	21937	3-Pentanone, 4-methyl-1-phenyl-	2	1	1	1				1	1	1	1
2708	21915	3-Pentanone, 1-phenyl-	1	2	1	1		1				1	1
2709	21917	1-Penten-3-one, 4-methyl-1-phenyl-	2	2	2	1		1				1	1
2710	21909	1-Penten-3-one, 1-phenyl-	1	2	1	1		1				1	1
2711	24338	4-Penten-2-one, 4-methyl-	1										
2712	47	Phorone	1	1	1	1		1					
2713	16053	Piperitone	2	1	1	1						1	1
2714	21374	2-Propanone, 1-(1-cyclohexen-1-yl)-	1	1	1			1				1	1
2715	24771	2-Propanone, 1-(3-cyclohexen-1-yl)-	1		1								
2716	24773	2-Propanone, 1-cyclohexyl-	1	1	1		1			2	1		
2717	24477	2-Propanone, 1,3-dihydroxy-		1		1							
2718	2938	2-Propanone, 1-phenyl-	2	1	1	1							
2719	951	Propiophenone	1	1	1								
2720	4217	Propiophenone, 4'-methyl-	1	1	2	1		1					
2721	24373	Sorbose	2	1									
2722	11501	Thujone	1		1	1							
2723	4987	5,9-Undecadien-2-one, 6,10-dimethyl-	1		1	1	1			2	1	1	1
2724	3081	2-Undecanone	2	1	1	1							
2725	4249	6-Undecanone	1	1	3	1							
2726	22131	3,5,9-Undecatrien-2-one, 6,10-dimethyl-	1		1	1	1	1			1		
		GROUP 7.—ALCOHOLS AND PHENOLS											
2727	14312	Allyl alcohol	1	1									
2728	11683	*p*-Anol, dimer					1						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ALCOHOLS AND PHENOLS—Continued											
2729	25339	Arachidonyl alcohol	2	2	2	2	1					1	
2730	21615	Benzhydrol, *alpha-tert*-butyl-4,4′-dimethyl-	2		1	1		1				1	1
2731	1680	Benzyl alcohol	1	1	1	1	1	1	1				
2732	21419	Benzyl alcohol, *p-tert*-butyl-	1			1	1	1	1	2	1	1	1
2733	5532	Benzyl alcohol, *alpha,alpha*-dimethyl-			1								
2734	21992	Benzyl alcohol, *alpha*,2-dimethyl-	1	1	3	1	1	1				1	1
2735	21159	Benzyl alcohol, 2,4-dimethyl-	1			1							
2736	21300	Benzyl alcohol, 3,4-dimethyl-	1		1	1	1	1					
2737	19819	Benzyl alcohol, *alpha*-ethyl-	1	1	1		1	1					
2738	21535	Benzyl alcohol, *p*-ethyl-	1		1	1						1	1
2739	24781	Benzyl alcohol, *alpha*-ethyl-*alpha*-methyl-	2		1		1						
2740	24430	Benzyl alcohol, *alpha*-ethynyl-	1	1	1	1	1						
2741	2936	Benzyl alcohol, *alpha*-methyl-	1	1	1		1						
2742	21536	Benzyl alcohol, *o*-methyl-	1		1	1	1	1				1	1
2743	20570	Benzyl alcohol, *o*-methyl-*alpha*-propyl-	1	1	1		1	1					
2744	20569	Benzyl alcohol, *p*-methyl-*alpha*-propyl-	3	1	1	1	1	1		1	1		
2745	4237	Benzyl alcohol, *alpha*-propyl-	1			1	1						
2746	116	*d*-Borneol	1			1							
2747	11077	1,3-Butanediol	1	1	1	1	1						
2748	31774	1,3-Butanediol, 2,2-dimethyl-	1	1	1	1	1						
2749	7553	1,4-Butanediol	1	1	1	1	1						
2750	959	2,3-Butanediol, *meso*-					1						
2751	405	1-Butanol	1	1	1			1					
2752	24190	1-Butanol, 2-methyl-	2	1	1	1							
2753	24189	2-Butanol	1					1	1				
2754	24793	2-Butanol, 4-cyclohexyl-	2	1	1		1			2	1		
2755	20905	2-Butanol, 4-(*o*-hydroxyphenyl)-	2	1	1			1					
2756	31843	2-Butanol, 4-(*p*-hydroxyphenyl)-	1	2	1	1							
2757	21271	2-Butanol, 4-(*p*-isopropylphenyl)-	1		2	2		1					
2758	24191	2-Butanol, 2-methyl-	1										
2759	24192	2-Butanol, 2-methyl-4-phenyl-	2		1								
2760	24792	2-Butanol, 3-methyl-4-phenyl-	2		1								
2761	7552	3-Buten-1,2-diol	1	1	1	1	1						
2762	30545	3-Buten-1-ol	1	2	1	1	1						
2763	24770	3-Buten-2-ol, 4-(3-cyclohexen-1-yl)-	1		1								
2764	23122	3-Buten-2-ol, 2-methyl-	1		1	1	1				1		
2765	25084	3-Buten-2-ol, 4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-	1		1	1	1			2	1		
2766	1288	*tert*-Butyl alcohol	1	1	1			1	1				
2767	23121	3-Butyn-2-ol, 2-methyl-	1		1	1	1				2		
2768	24433	3-Butyn-2-ol, 2-phenyl-			1	1	1			1	1		
2769	1514	Carvacrol	1	1	2	1							
2770	3995	Catechol	1	1	1								
2771	2178	Cedrol	1										
2772	3112	Cholesterol	1										
2773	949	Cinnamyl alcohol	1	1	1	2			1	2	1		
2774	9552	*l*-Citronellol (Rhodinol)	2		3	1			2	1	1	1	
2775	17283	*m*-Cresol, x-*tert*-butyl-					1						
2776	17281	*m*-Cresol, x,x-di-*tert*-butyl-					1						
2777	15481	*m*-Cresol, 4,6-di-*tert*-butyl-					1						
2778	24210	*m*-Cresol, 5-ethyl-	2	2									
2779	448	*o*-Cresol, 4-*tert*-pentyl-					1						
2780	150	*p*-Cresol	1	1	1								
2781	17063	*p*-Cresol, x,x-di-*tert*-butyl-					1						
2782	18027	*p*-Cresol, 2,2′-methylenebis[6-*tert*-butyl-	2		1	1	1						
2783	1172	Cyclohexanemethanol	1		1	1							
2784	24789	Cyclohexanemethanol, 2,4,6-trimethyl-	2		1								
2785	40	Cyclohexanol	1	1	1								
2786	24480	Cyclohexanol, 4-*tert*-butyl-1-ethynyl-	1		2	1							
2787	24895	Cyclohexanol, 1-ethyl-	1		1	1				1	1		
2788	7064	Cyclohexanol, 1-ethynyl-			1	1	1			1	1		

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ALCOHOLS AND PHENOLS—Continued											
2789	7113	Cyclohexanol, 1,1′-ethynylenedi-			1	1	1			2	1		
2790	25180	Cyclohexanol, 4,4′-isopropylidenedi-	1	2	1	1				2		1	1
2791	13205	Cyclohexanol, 1-phenyl-	1	1	2	1							
2792	1646	Cyclohexanol, 3,3,5-trimethyl-	1		1								
2793	25140	Cyclohexanol, 1-vinyl-	1	1	1	1	1			1	1		
2794	24787	3-Cyclohexene-1-methanol	1		1		1			2	1		
2795	21743	3-Cyclohexene-1-methanol, 1-methyl-	1		1			1					
2796	21913	3-Cyclohexene-1-methanol, 6-methyl-	1		3	1		1				1	1
2797	30085	3-Cyclohexene-1-methanol, *alpha,alpha*,6-trimethyl-	1		3	1	1	1			1	1	1
2798	24788	3-Cyclohexene-1-methanol, 2,4,6-trimethyl-	2		1		1			2	1		
2799	25153	2-Cyclohexen-1-ol, 1,1′-ethynylenebis-[3,5,5-trimethyl-	1	1	1	1		1					
2800	25264	Cyclopentanol	1	1	1	1				1		1	
2801	25148	Cyclopentanol, 1,1′-ethynylenedi-	1	1	1	1	1	1		2	1		
2802	24049	2-Cyclopenten-1-ol	1		1								
2803	20440	*p*-Cymen-7-ol	1	1	1	1	1	1	1	1	1		
2804	13226	1,9-Decadiene-4,7-diol, 4-allyl-7-methyl-	1	1	1	1	1						
2805	12135	4,6-Decanediol, 5-ethyl-	1			1	1						
2806	24974	4-Decanol, 4,7-dimethyl-	3	1	2	1	1			2	1		
2807	24975	4-Decanol, 2,4,7,9-tetramethyl-	1	1	1	1				1	1		
2808	2173	Decyl alcohol	1	2	1	1							
2809	7159	5-Decyn-4,7-diol, 2,4,7,9-tetramethyl-	1	1	2	2	1						
2810	25087	6,10-Dodecadien-1-yn-3-ol, 3,7,11-trimethyl-	1		1	1	1			2			
2811	10519	1,6,10-Dodecatrien-3-ol, 3,7,11-trimethyl-	1		1	2	1			1	1	1	1
2812	309	Dodecyl alcohol	1	1	1	1							
2813	25193	6-Dodecyn-5,8-diol, 5,8-diethyl-	1	1	1	1	1						
2814	210	Elemol	2	1									
2815	24222	Ethenol, 2-phenyl-					1						
2816	1706	Ethyl alcohol	1					1		2			
2817	3050	Ethylene glycol	1	1	1								
2818	733	Fenchyl alcohol	1		1	1							
2819	206	Geraniol	2	1	3	1		1	2	1	1		
2820	24246	Geraniol, *trans*-	1	1	1								
2821	91	Glycerol	1	1	1			1					
2822	20002	1,5,9-Hendecatrien-4-ol, 6,10-dimethyl-	3		1			1					
2823	24896	2,6-Heptadien-4-ol, 2,4-dimethyl-	1		1	1							
2824	25069	2-Heptanol, 6-methyl-	1		1	1	1			2	1		
2825	21994	3-Heptanol	2	1	2	1		1					
2826	24976	3-Heptanol, 3-ethyl-	1	1	1	1	1			2	1		
2827	25147	4-Heptanol, 4-ethyl-2,6-dimethyl-	2	2	3	1	1			2	1		
2828	25145	1-Hepten-3-ol, 3-ethyl-5-methyl-	1	1	3	1	1			1	1		
2829	24897	1-Hepten-3-ol, 2,3,6-trimethyl-	1		3	1							
2830	25074	5-Hepten-2-ol, 6-methyl-	1		1	1	1			2	1		
2831	14193	1,2-Hexadecanediol	1	1	1	1	2						
2832	755	1-Hexadecanol	1	1	1	1							
2833	25090	1-Hexadecen-3-ol, 3,7,11,15-tetramethyl-	1		1	1				1	1		
2834	31772	2-Hexadecen-1-ol, *trans*-	1	1	1	1	1						
2835	30249	2,4-Hexadien-1-ol	1	1	1	1	1					1	1
2836	375	1,3-Hexanediol, 2-ethyl-					1	1					
2837	3307	1,6-Hexanediol					1						
2838	11557	2,5-Hexanediol					1						
2839	20685	2,5-Hexanediol, 2,5-dimethyl-	1	1	1		1	1					
2840	14311	1,2,6-Hexanetriol	1		1	1	1						
2841	940	1-Hexanol, 2-ethyl-	1	1	1	1		1					
2842	23407	2-Hexanol, 2,5-dimethyl-	2	1	2	1							
2843	24973	3-Hexanol, 3,5-dimethyl-	1	1	1	1	1			2	1		
2844	25142	1-Hexen-3-ol, 3,5-dimethyl-	1	1	1	1	1			2	1		
2845	25091	3-Hexen-1-ol	1		1	1	1			1	1		
2846	8157	Hexyl alcohol	1	1	1			1	1				

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ALCOHOLS AND PHENOLS—Continued											
2847	14500	3-Hexyn-2,5-diol, 2,5-dimethyl-	1	1	1	1	1				1		
2848	23415	3-Hexyn-2,5-diol, 2,5-diphenyl-			1	1	1				1		
2849	25134	1-Hexyn-3-ol	1	1	1	1	1			1	1		
2850	14113	Isoborneol	2		1								
2851	1777	Isobutyl alcohol	1	1	1			1					
2852	15288	Isopentyl alcohol	2		1			1					
2853	1636	Isopropyl alcohol	2	2				1					
2854	942	Linaloöl	1		3	1		1		2			
2855	24709	*p*-Menthane-1,2-diol			1	1	1		1	1	1		
2856	24710	*p*-Menthane-2,3-diol			1	1	1			2	1		
2857	24711	*p*-Menthane-3,4-diol			1	1	1			1	1		
2858	8161	Menthol	1		2	1							
2859	409	Methanol	1					1				1	1
2860	106	1-Naphthol	1	1	1				2	1			
2861	81	2-Naphthol	1	1	1								
2862	5563	2-Naphthol, 1,2,3,4-tetrahydro-	1			1							
2863	24898	1,7-Nonadien-4-ol, 4,8-dimethyl-	1		3	1							
2864	5949	2,4-Nonanediol	1	1	1	1	1						
2865	14508	2-Nonanol, 5-ethyl-	2		3	1		1					
2866	24778	3-Nonanol, 3-methyl-	1		1		1			1			
2867	24900	1-Nonen-3-ol, 3-methyl-	1		1	1				1	1		
2868	24899	7-Nonen-4-ol, 4,8-dimethyl-	2		3	1		1					
2869	3962	Nonyl alcohol	1	1	1	1							
2870	24777	1-Nonyn-3-ol, 3-methyl-	1		1		1			1	1		
2871	31144	9,12-Octadecadien-1-ol	1	1	1	1	1				1		
2872	31773	1,12-Octadecanediol	1	1	1	1	1						
2873	31145	9,12,15-Octadecatrien-1-ol	2	2	1	1	1						
2874	7620	9-Octadecen-1-ol	1	1	1	1	1						
2875	25076	3,6-Octadien-1-ol, 3,7-dimethyl- and 6-Octen-1-ol, 7-methyl-3-methylene-	1		1	1	1	1		2	1	1	
2876	21881	4,6-Octadien-1-ol	1		1								
2877	5916	2,4-Octanediol, 3-ethyl-	2	1	1	1	1						
2878	24712	2,7-Octanediol, 2,6-dimethyl-			1	1	1			1	1		
2879	25146	2,7-Octanediol, 2,7-dimethyl-	1	1	1	1	1	1		1	1		
2880	12196	3,5-Octanediol, 2,7-dimethyl-					1						
2881	30536	3,6-Octanediol, 3,6-diethyl-	2	1	1	1							
2882	19958	1-Octanol, 2-butyl-	1	1	1	1		1					
2883	11222	1-Octanol, 3,7-dimethyl-	1	1	1								
2884	5598	2-Octanol	2	1	3	1							
2885	24902	2-Octanol, 2,6-dimethyl-	1		3	1							
2886	24901	2-Octanol, 2-methyl-	1		1	1							
2887	23412	3-Octanol, 3,6-dimethyl-	1		3	1							
2888	24903	3-Octanol, 3,7-dimethyl-	1		3	1	1			2	1	1	
2889	24904	3-Octanol, 3-methyl-	1		2	1							
2890	31181	2,4,6-Octatrien-1-ol					1						
2891	24905	4-Octen-3-ol, 2,6-dimethyl-	1		2	1							
2892	24782	5-Octen-3-ol, 3,6-dimethyl-	1		2								
2893	25080	6-Octen-1-ol, 3,7-dimethyl-	1		1	1	1		1	1			
	25076	6-Octen-1-ol, 7-methyl-3-methylene- and 3,6-octadien-1-ol, 3,7-dimethyl- (*See* item 2875.)											
2894	24713	6-Octen-2-ol, 3,7-dimethyl-			1	1	1			1	1		
2895	24906	6-Octen-3-ol, 3,7-dimethyl-	1		3	1				1	1		
2896	25065	6-Octen-1-yn-3-ol, 3,7-dimethyl-	1		2	1	1			2	1		
2897	2169	Octyl alcohol	1	1	1	1		1					
2898	30543	4-Octyne-3,6-diol, 3,6-diethyl-	1	1	1	1							
2899	13180	4-Octyne-3,6-diol, 3,6-diisopropyl-2,7-dimethyl-	1	1	1	2	1	1					
2900	7312	4-Octyne-3,6-diol, 3,6-dimethyl-	1	1	1	1	1						
2901	25150	4-Octyne-3,6-diol, 2,3,6,7-tetramethyl-	1	1	1	1	1	1		1	1		
2902	24618	1-Octyn-3-ol, 3-ethyl-	1			1							
2903	23954	Orcinol	1	1		1							
2904	3317	1,2-Pentanediol	1	1	1	2	1						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ALCOHOLS AND PHENOLS—Continued											
2905	2706	1,3-Pentanediol, 2,2,4-trimethyl-					1		1				
2906	3318	1,5-Pentanediol	1		1	1	1	1		2	1		
2907	11547	2,4-Pentanediol					1						
2908	20050	1,3,5-Pentanetriol	1			1	1						
2909	1293	1-Pentanol	2	1	1	1		1	1				
2910	21997	1-Pentanol, 2-methyl-	1	1	1	1		1				1	1
2911	11231	1-Pentanol, 5-phenyl-	1		1	1							
2912	24907	2-Pentanol, 2,4,4-trimethyl-	1		1	1				1	1		
2913	24335	3-Pentanol	1										
2914	30048	3-Pentanol, 3-ethyl-	1	1	1	1							
2915	24336	3-Pentanol, 3-methyl-5-phenyl-	1	1	1								
2916	21916	3-Pentanol, 1-phenyl-	2		1	1		1				1	1
2917	25136	1-Penten-3-ol, 3 methyl-	1	1	2	1	1	1		1	1		
2918	21608	3-Penten-1-ol	1		1	1							
2919	25135	1-Pentyn-3-ol, 4-methyl-	1	1	1	1	1			2	1		
2920	744	Phenethyl alcohol	1	1	1			1					
2921	2949	Phenethyl alcohol, *alpha,alpha*-dimethyl-	1	1	1	1	1			1	1		
2922	11510	Phenethyl alcohol, *alpha*-ethyl-	1	2	1	1							
2923	1774	Phenethyl alcohol, *p*-isopropyl-				1							
2924	21185	Phenethyl alcohol, *alpha-alpha*,2,4-tetramethyl-	1			1		1					
2925	1814	Phenol	1	2									
2926	17107	Phenol, *o*-allyl-	1			1							
2927	126	Phenol, *p-tert*-butyl-	1	1	1								
2928	31291	Phenol, 2-*tert*-butyl-6-isopropyl-	1	1	3	1						1	1
2929	25190	Phenol, 4-*tert*-butyl-2-(*alpha*-methylbenzyl)-	1	1	1	1	1			1	2		
2930	460	Phenol, *p*-(1,1-dimethylpropyl)-	1		1	1							
2931	18550	Phenol, *o*-isopropyl-	1	1	1	1							
2932	21991	Phenol, *o*-(2-methylallyl)-	1	1	1	1		1				1	1
2933	8848	Phloroglucinol	1	1									
2934	24344	Phytol	2	1									
2935	1898	1,2-Propanediol	1	1	1	1	1						
2936	1851	1,3-Propanediol	1	1									
2937	3775	1,3-Propanediol, 2-butyl-2-ethyl-	1	1	1	1	1						
2938	24844	1,3-Propanediol, 2-methyl-2-propyl	1	1	1	1	1	1					
2939	20879	1-Propanol, 2,2-dimethyl-					1	1					
2940	2067	1-Propanol, 3-phenyl-	1	1	1	1							
2941	2677	2-Propen-1-ol, 2-methyl-	1		1	1							
2942	16115	Propyl alcohol	1	2	1			1					
2943	24359	2-Propyn-1-ol	1	1									
2944	24363	Pyrocatechol, 4-*tert*-butyl-	2	1									
2945	709	Pyrogallol	1	1	2								
2946	3996	Resorcinol	1	1	1								
2947	3990	Saligenin	1	1	1	2							
2948	3927	Santalol	2	1									
2949	766	Sorbitol	1	1	1								
2950	519	Terpineol	2	1	1	1							
2951	1762	Terpin hydrate	1		1	1							
2952	25152	7-Tetradecyne-6,9-diol, 6,9-diethyl-	1	1	1	1	1	1		1	1		
2953	708	Thymol	1	1	1	1							
2954	14932	*p*-Toluhydroquinone	1	1	1								
2955	23972	6-Tridecanol, 3,9-diethyl-	1			1							
2956	6259	10-Undecen-1-ol			1								
2957	330	Undecyl alcohol	1	1	1	1							
2958	21372	*m*-Xylene-*alpha,alpha'*-diol, 4,6-dimethyl-	1		1	1		1				1	1
2959	25222	*p*-Xylene-*alpha,alpha'*-diol	1	1	2							1	
2960	1552	3,4-Xylenol	3		1	1							
2961	1553	3,5-Xylenol	3		1	1							

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		GROUP 8.—NITROGEN-CONTAINING COMPOUNDS											
2962	2060	Acetamide	1	2									
2963	2182	Acetamide, *N,N*-diethyl-	1	1									
2964	2828	Acetamide, *N,N*-diisopropyl-			1	1							
2965	15276	Acetamide, *N,N*-dimethyl-	1	2		1							
2966	21879	Acetamide, 2-[2-(2-ethoxyethoxy)-ethoxy]-*N*-isobutyl-	2		1								
2967	21864	Acetamide, 2-(2-ethoxyethoxy)-*N*-isobutyl-	1		1								
2968	2836	Acetamide, *N*-(2-hydroxyethyl)-	1	2				1					
2969	2827	Acetamide, *N*-isopropyl-			1	1							
2970	11532	Acetamide, *N*-(2-methoxyethyl)-	1	1									
2971	18019	Acetamide, *N*-methyl-	1			1							
2972	16909	Acetamide, *N*-(1-naphthyl)-	1	2									
2973	31624	Acetamide, 2-phenyl-*N*-(2-propyl-4,5-methylenedioxyphenyl)-	1	1	1								
2974	2825	Acetamide, *N*-propyl-			1	1							
2975	24144	Acetamide, salicylidene-	1	1									
2976	1045	Acetanilide	1	1									
2977	2484	Acetanilide, *N*-butyl-			1	1							
2978	31362	Acetanilide, 3′,4′-dichloro-					1						
2979	5523	Acetanilide, *N*-ethyl-	2	1									
2980	18873	Acetanilide, 4′-formyl-	1	1									
2981	5528	Acetanilide, *N*-isopentyl-	1			1							
2982	3341	Acetanilide, *N*-isopropyl-	1	1	1	1							
2983	30798	Acetanilide, 2,2,2,4′-tetrachloro-	1	2	1	2							
2984	30800	Acetanilide, 2,2,2-trichloro-4′-sulfamoyl-	1	1	1	1							
2985	799	*o*-Acetanisidide	1	1									
2986	21296	Acetic acid, (2-benzothiazolylthio)-, ethyl ester	1		1	1		1					
2987	7371	Acetic acid, cyano-, 4-methylcyclohexyl ester	1	1	1	1							
2988	31297	Acetic acid, *o*-nitrophenyl-	1	1	1	1						1	1
2989	327	Acetonitrile	1	2									
2990	30370	Acetonitrile, [5-(chloromethyl)-2,4-xylyl]-	1		1	1	1						
2991	23882	Acetonitrile, 3,4-dimethoxyphenyl-	3	1	1								
2992	787	*o*-Acetophenetidide	1	1									
2993	2440	Acetophenone, 6′-*tert*-butyl-2′,4′-dimethyl-3′,5′-dinitro-	1	1	1								
2994	21210	2′,4′-Acetoxylidide	1	1									
2995	15279	Acridine	1		1	2							
2996	4119	Acrylamide	1										
2997	25002	Acrylamide, *N*-*tert*-butyl-	1	1	1	1							
2998	30121	Acrylamide, *N,N*-diethyl-3-(3,4-methylenedioxyphenyl)-2-phenyl-	1		1	1						1	1
2999	54	Acrylonitrile	1	2									
3000	6485	Adipamic acid, *N,N*-dipropyl-, methyl ester	1	1	2	1							
3001	8908	DL-Alanine	1			1							
3002	25186	DL-Alanine, ethyl ester	1	1	1	1							
3003	18436	DL-Alanine, 3-phenyl-	1	1									
3004	23214	Allylamine	1	1			1						
3005	25100	Ammonium compound, benzyldodecyldimethyl-cyclopentanecarboxylate salt				1	1						
3006	25102	Ammonium compound, (*p*-chlorobenzyl)-dimethyl{2-{2-[*p*-(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy}ethyl}-chloride	1	1	1	2	1						
3007	25171	Ammonium compound, dodecyltrimethyl-chloride (33 percent)					1			2			
3008	25172	Ammonium compound, dodecyltrimethyl-chloride (50 percent)	1	1			1			2			

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3009	25175	Ammonium compound, dodecyl(and tetradecyl)trimethyl-----chloride	----	----	----	----	1	----	----	----	----	----	----
3010	25173	Ammonium compound, hexadecyltrimethyl-----chloride	----	----	----	----	1	----	----	1	----	----	----
3011	25179	Ammonium compound, hexadecyl(and octadecyl)trimethyl-----chloride	2	1	1	----	1	----	----	1	----	----	----
3012	30568	Ammonium compound, (4-hydroxy-5-isopropyl-2-methylphenyl)trimethyl----chloride, 1-piperidinecarboxylate	----	----	----	----	1	----	----	----	----	----	----
3013	25176	Ammonium compound, octadecadienyl-(and octadecenyl)trimethyl--chloride	----	----	----	----	1	----	----	----	----	----	----
3014	25177	Ammonium compound, octadecenyl(and hexadecyl)trimethyl-----chloride	----	----	----	----	1	----	----	----	----	----	----
3015	25174	Ammonium compound, octadecyltrimethyl-----chloride	----	----	----	----	1	----	----	1	----	----	----
3016	25112	Ammonium compound, tetrabutyl----iodide	----	----	----	----	1	----	----	----	----	----	----
3017	23955	Ammonium compound, tetraethyl----bromide	1	----	----	1	1	----	----	----	----	----	----
3018	24479	Ammonium compound, tetraethyl----hydroxide	1	1	----	----	----	----	----	----	----	----	----
3019	24396	Ammonium compound, tetrakis(2-hydroxyethyl)-----hydroxide	1	2	----	----	----	----	----	----	----	----	----
3020	24161	Ammonium compound, tetrapropyl----hydroxide	----	----	----	----	1	----	----	----	----	----	----
3021	30430	Ammonium compound, trimethyl(*o*-methylbenzyl)-----bromide	1	1	2	1	----	----	----	----	----	----	----
3022	24162	Ammonium compound, trimethylphenyl----hydroxide	1	1	----	----	----	----	----	----	----	----	----
3023	8542	Ammonium thiocyanate-----	3	3	2	1	----	----	----	----	----	----	----
3024	3053	Aniline-----	1	1	----	----	----	----	----	----	----	----	----
3025	1538	Aniline, *N*-benzylidene-----	1	----	----	1	----	----	----	----	----	----	----
3026	31838	Aniline, *N,N*-bis(2-chloroethyl)-----	1	1	1	----	----	----	1	----	----	----	----
3027	30813	Aniline, *N*-butyl-2,4-dinitro-----	2	2	2	1	----	----	----	----	----	----	----
3028	30814	Aniline, *N-sec*-butyl-2,4-dinitro-----	2	1	2	1	----	----	----	----	----	----	----
3029	16637	Aniline, 2,5-dimethoxy-----	2	1	----	----	----	----	1	2	2	----	----
3030	17284	Aniline, *N,N*-dimethyl-----	1	1	----	----	----	----	1	----	----	----	----
3031	30825	Aniline, 2,4-dinitro-*N*-pentyl-----	2	1	2	2	----	----	----	----	----	----	----
3032	30811	Aniline, 2,4-dinitro-*N*-propyl-----	1	2	2	1	----	----	----	----	----	----	----
3033	15346	Aniline, *N*-ethyl-----	1	1	----	----	----	----	----	----	----	----	----
3034	30796	Aniline, *N*-methyl-2,4-dinitro-----	2	1	2	1	----	----	----	----	----	----	----
3035	31623	Aniline, 4,5-methylenedioxy-2-propyl---	1	1	1	----	----	----	----	----	----	----	----
3036	31691	Aniline, *N*-(1-piperonylethyl)-----	1	1	1	2	----	----	----	----	----	----	----
3037	21064	Aniline, 2,4,6-tribromo-----	1	----	----	1	----	----	----	----	----	----	----
3038	17012	*p*-Anisamide, *N*,N-diethyl-----	----	----	----	----	1	----	1	1	1	----	----
3039	8584	*o*-Anisidine-----	1	----	----	----	----	----	----	----	----	----	----
3040	1933	*o*-Anisidine, 5-chloro-----	1	----	----	1	----	----	----	----	----	----	----
3041	12119	*o*-Anisidine, 5-methyl-----	2	----	----	----	----	----	----	----	----	----	----
3042	2392	*p*-Anisidine-----	1	----	----	----	----	----	----	----	----	----	----
3043	2439	Anisole, 6-*tert*-butyl-3-methyl-2,4-dinitro-	2	1	1	----	----	----	----	----	----	----	----
3044	230	Anisole, *o*-nitro-----	2	1	----	1	----	----	----	----	----	----	----
3045	189	Anisole, *p*-nitro-----	1	1	----	----	----	----	----	----	----	----	----
3046	2408	Anthranilic acid-----	1	----	----	----	----	----	----	----	----	----	----
3047	3444	Anthranilic acid, *sec*-butyl ester-----	1	----	1	1	----	----	----	----	----	----	----
3048	2377	Anthranilic acid, ethyl ester-----	1	----	1	----	----	----	----	----	----	----	----
3049	1022	Anthranilic acid, methyl ester-----	1	----	----	1	----	----	1	----	----	----	----
3050	30858	Anthranilic acid, *N*-(*p*-chlorobenzoyl)---	1	1	1	1	----	----	----	----	----	----	----
3051	30820	Anthranilic acid, *N*-(ethoxyoxalyl)-----	1	2	1	1	----	----	----	----	----	----	----
3052	3340	Anthranilic acid, *N*-methyl-, methyl ester	2	1	1	1	----	----	----	----	----	----	----
3053	30011	Anthranilic acid, *N,N*-oxalyldi-----	----	----	----	----	----	----	----	2	1	----	----
3054	24165	Arginine-----	1	1	----	----	----	----	----	----	----	----	----
3055	3280	Asparagine-----	2	----	2	1	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3056	18471	DL-Aspartic acid	1	----	----	1	----	----	----	----	----	----	----
3057	21017	Barbituric acid, 5-piperonyl-	1	----	----	1	----	1	----	----	----	----	----
3058	21018	Barbituric acid, 5-piperonyl-2-thio-	1	----	----	1	----	1	----	----	----	----	----
3059	30776	Benzaldehyde, *o*-chloro-, semicarbazone	1	----	----	1	----	----	----	----	----	----	----
3060	5886	Benzaldehyde, *p*-diethylamino-	2	1	----	----	----	----	----	----	----	----	----
3061	15337	Benzaldehyde, *p*-dimethylamino-	1	1	----	----	----	----	----	----	----	----	----
3062	8906	Benzaldehyde, *m*-nitro-	1	1	----	----	----	----	----	----	----	----	----
3063	2415	Benzaldehyde, *o*-nitro-	1	1	----	1	----	----	----	----	----	----	----
3064	30801	Benzaldehyde, *p*-nitro-, thiosemicarbazone	2	2	2	1	----	----	----	----	----	----	----
3065	1031	Benzamide	1	2	----	----	----	----	----	----	----	----	----
3066	25260	Benzamide, *N*-allyl-*o*-(methoxycarbonyl)-	2	1	1	1	----	----	----	1	----	1	----
3067	20299	Benzamide, *o*-bromo-*N*,*N*-diethyl-	----	----	----	----	1	----	----	----	----	----	----
3068	30335	Benzamide, *N*-butyl-*p*-isopropyl-	----	----	----	----	1	----	----	----	----	----	----
3069	30331	Benzamide, *N*-*sec*-butyl-*p*-isopropyl-	----	----	----	----	1	----	----	----	----	----	----
3070	14147	Benzamide, *o*-chloro-*N*,*N*-diethyl-	----	----	1	----	----	----	----	----	----	----	----
3071	30182	Benzamide, *N*,*N*-dibutyl-*p*-isopropyl-	1	1	1	1	1	----	----	----	----	1	1
3072	1197	Benzamide, *N*,*N*-diethyl-	1	----	----	----	----	----	----	----	----	----	----
3073	30259	Benzamide, *N*,*p*-diisopropyl-	----	----	----	----	1	----	----	----	----	----	----
3074	2481	Benzamide, *N*,*N*-diphenyl-	----	----	----	----	----	----	----	----	1	----	----
3075	20297	Benzamide, *o*-ethoxy-*N*,*N*-diethyl-	1	----	1	1	----	1	----	----	----	----	----
3076	20298	Benzamide, *p*-ethoxy-*N*,*N*-diethyl-	1	----	----	----	----	1	----	----	----	----	----
3077	30223	Benzamide, *N*-ethyl-*p*-isopropyl-	1	----	2	----	1	----	----	----	----	----	----
3078	30180	Benzamide, *p*-isopropyl-*N*,*N*-dimethyl-	1	----	1	1	1	----	----	----	----	1	1
3079	30181	Benzamide, *p*-isopropyl-*N*,*N*-dipropyl-	1	1	1	1	1	----	----	----	----	1	1
3080	30219	Benzamide, *p*-isopropyl-*N*-methyl-	----	----	----	----	1	----	----	----	----	----	----
3081	30438	Benzamide, *p*-isopropyl-*N*-pentyl-	----	----	----	----	1	----	----	----	1	----	----
3082	30016	Benzamide, *N*,*N*-*p*-phenylenebis-	----	----	----	----	1	----	----	----	1	----	----
3083	30210	Benzamide, *N*,*N*,*p*-triisopropyl-	1	1	1	1	1	----	----	----	----	1	1
3084	30012	Benzanilide, 4′-bromo-	----	----	----	----	1	----	----	2	1	----	----
3085	19781	Benzanilide, *N*-butyl-4-ethoxy-	----	----	1	----	----	1	----	----	----	----	----
3086	30843	Benzanilide, 4′-chloro-	1	1	1	1	----	----	----	----	----	----	----
3087	9054	Benzene, 1-bromo-3-nitro-	1	----	1	1	----	----	----	----	----	----	----
3088	3268	Benzene, 1,2-dichloro-4-nitro-	1	----	----	1	----	----	----	----	----	----	----
3089	24179	Benzene, 1,4-dimethoxy-2-nitro-	2	2	----	----	----	----	----	----	----	----	----
3090	4857	Benzene, 1-iodo-2-nitro-	1	----	1	1	----	----	----	----	----	----	----
3091	15390	Benzene, 1-iodo-3-nitro-	1	----	----	1	----	----	----	----	----	----	----
3092	31622	Benzene, 1,2-methylenedioxy-4-nitro-5-propyl-	2	2	1	----	----	----	----	----	----	----	----
3093	1239	Benzene, nitro-	1	1	1	1	----	----	1	----	----	----	----
3094	30850	Benzenesulfonamide, *N*-benzyl-	1	1	1	1	----	----	----	----	----	----	----
3095	30816	Benzenesulfonamide, *p*-bromo-*N*-butyl-	----	----	----	1	----	----	----	----	----	----	----
3096	17741	Benzenesulfonamide, *p*-chloro-*N*,*N*-dimethyl-	----	----	1	----	----	----	----	----	----	----	----
3097	31621	Benzenesulfonanilide, 3,4-methylenedioxy-6-propyl-	1	2	1	----	----	----	----	----	----	----	----
3098	31626	Benzenesulfonanilide, *N*-methyl-4′,5′-methylenedioxy-2-propyl-	1	1	1	1	----	----	----	----	----	----	----
3099	20048	Benzoic acid, *m*-amino-, isopropyl ester	----	----	----	----	1	1	----	----	----	----	----
3100	2436	Benzoic acid, *p*-amino-	1	1	----	----	----	----	----	----	----	----	----
3101	30015	Benzoic acid, *p*-benzamido-, ethyl ester	----	----	----	----	----	----	----	1	1	----	----
3102	21063	Benzoic acid, *p*-hydrazino-	1	----	----	1	----	1	----	----	----	----	----
3103	24184	Benzonitrile	1	1	----	----	----	----	1	----	----	----	----
3104	24185	Benzonitrile, *p*-amino-	1	1	----	----	----	----	----	----	----	----	----
3105	492	Benzonitrile, *p*-chloro-	1	----	----	1	----	----	----	----	----	----	----
3106	30782	Benzophenone, 4,4′-dichloro-, oxime	----	----	----	1	----	----	----	----	----	----	----
3107	30788	Benzophenone, semicarbazone	1	1	1	1	----	----	----	----	----	----	----
3108	21165	Benzothiazole, 2-(allylthio)-	1	----	----	1	----	1	----	----	----	----	----
3109	21166	Benzothiazole, 2-(benzylthio)-	1	----	----	1	----	1	----	----	----	----	----
3110	30200	Benzothiazole, 2-(2-hydroxyethoxy)-	----	----	----	----	1	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3111	21187	Benzothiazole, 2-(2-hydroxyethylthio)-, acetate	1	----	----	1	----	1	----	----	----	1	1
3112	985	Benzothiazole, 2-mercapto-	1	----	----	1	----	----	----	----	----	--------	--------
3113	21167	Benzothiazole, 2-(propylthio)-	1	----	----	1	----	1	----	----	----	--------	--------
3114	5743	Benzoxazole	1	1	----	----	----	----	----	----	----	--------	--------
3115	19563	2-Benzoxazolinone	1	----	----	----	----	----	----	----	----	--------	--------
3116	24933	Benzyl alcohol, *alpha*-(1-methyl-1-nitroethyl)-	1	1	2	1	----	----	----	----	----	--------	--------
3117	24929	Benzyl alcohol, *alpha*-1-nitroethyl-	1	1	1	1	----	----	----	----	----	--------	--------
3118	24926	Benzyl alcohol, *alpha*-nitromethyl-	1	1	1	1	----	----	----	----	----	--------	--------
3119	15299	Benzylamine	2	1	1	1	----	----	1	2	1	--------	--------
3120	20803	Benzylamine, *N*-butyl-	2	1	1	1	1	1	1	1	1	--------	--------
3121	30208	Benzylamine, *N,o*-dimethyl-	1	1	1	1	1	----	----	----	----	1	1
3122	30172	Benzylamine, *o*-methoxy-*N,N*-dimethyl-	1	----	1	1	1	----	----	----	----	--------	--------
3123	3116	Benzylamine, *alpha*-methyl-	1	----	----	1	----	----	----	----	----	--------	--------
3124	487	Benzylamine, *N*-nitroso-*N*-phenyl-	1	----	----	1	----	----	----	----	----	--------	--------
3125	1804	Benzylamine, *N*-phenyl-	1	----	----	1	----	----	----	----	----	--------	--------
3126	30199	Benzylamine, *N,N,o*-trimethyl-	1	1	1	1	1	----	----	----	----	1	1
3127	24187	Betaine	1	2	----	----	----	----	----	----	----	--------	--------
3128	18301	Betaine, hydrochloride	1	----	----	1	----	----	----	----	----	--------	--------
3129	107	Butane, 1-nitro-	----	----	----	----	1	----	----	----	----	--------	--------
3130	23962	2,3-Butanedione, monooxime	1	----	----	1	----	----	----	----	----	--------	--------
3131	4493	1-Butanol, 2-nitro-	2	1	2	1	----	1	----	----	----	--------	--------
3132	24925	2-Butanol, 3-methyl-1-nitro-	1	1	1	1	----	----	----	----	----	--------	--------
3133	24924	2-Butanol, 1-nitro-	1	1	1	1	----	----	----	----	----	--------	--------
3134	30774	2-Butanone, semicarbazone	2	1	1	1	----	----	----	----	----	--------	--------
3135	30534	3-Butenenitrile, 2-methyl-	1	1	1	1	1	----	----	----	----	--------	--------
3136	31810	3-Buten-2-one, 4-(*p*-dimethylaminophenyl)-	2	2	2	2	----	----	----	----	----	--------	--------
3137	24197	Butylamine	1	----	----	----	----	----	----	----	----	--------	--------
3138	24036	*tert*-Butylamine	----	----	----	1	----	----	----	----	----	--------	--------
3139	24575	Butylamine, *N-tert*-butyl-1-ethynyl-	1	----	1	1	----	----	----	----	----	--------	--------
3140	24576	Butylamine, *N,N*,1,1,3,3-hexamethyl-	1	----	1	1	----	----	----	----	----	--------	--------
3141	24641	Butylamine, *N*-(1-isopropyl-2-propynyl)-1,1,3,3-tetramethyl-	1	----	----	1	----	----	----	----	----	--------	--------
3142	15310	Butyl nitrite	2	1	2	1	----	1	----	----	----	--------	--------
3143	24642	2-Butyne-1,4-diamine, *N,N'*-bis(1,1,3,3-tetramethylbutyl)-	1	----	----	1	----	----	----	----	----	--------	--------
3144	24574	2-Butyne-1,4-diamine, *N,N,N',N'*-tetramethyl-	1	----	1	1	----	----	----	----	----	--------	--------
3145	24199	Butyramide	1	1	----	----	----	----	----	----	----	--------	--------
3146	18488	Butyramide, *N-sec*-butyl-	1	----	1	1	----	----	----	----	----	--------	--------
3147	31416	Butyramide, *N*-butyl-3-methyl-	1	1	1	1	----	----	----	----	----	--------	--------
3148	31476	Butyramide, *N-sec*-butyl-3-methyl-	1	1	2	1	----	----	----	----	----	--------	--------
3149	4122	Butyramide, 3-chloro-	1	----	1	1	----	----	----	----	----	--------	--------
3150	31423	Butyramide, *N*-cyclohexyl-3-methyl-	----	----	----	1	----	----	----	----	----	--------	--------
3151	18486	Butyramide, *N,N*-dibutyl-	1	----	1	1	----	----	----	----	----	--------	--------
3152	31414	Butyramide, *N,N*-dibutyl-3-methyl-	2	2	1	1	----	----	----	----	----	--------	--------
3153	6147	Butyramide, *N,N*-diethyl-	1	----	1	1	----	----	----	----	----	--------	--------
3154	31410	Butyramide, *N,N*-diethyl-3-methyl	1	1	2	1	----	----	----	----	----	--------	--------
3155	31419	Butyramide, *N,N*-diisobutyl-3-methyl-	1	2	2	1	----	----	----	----	----	--------	--------
3156	31412	Butyramide, *N,N*-diisopropyl-3-methyl-	2	1	2	1	----	----	----	----	----	--------	--------
3157	18493	Butyramide, *N,N*-dipropyl-	1	----	1	1	----	----	----	----	----	--------	--------
3158	18483	Butyramide, *N*-isobutyl-	1	----	1	1	----	----	----	----	----	--------	--------
3159	31415	Butyramide, *N*-isobutyl-3-methyl-	1	1	1	1	----	----	----	----	----	--------	--------
3160	31421	Butyramide, 3-methyl-*N,N*-dioctyl-	----	----	----	----	1	----	----	----	----	--------	--------
3161	31411	Butyramide, 3-methyl-*N,N*-dipropyl-	1	1	2	1	----	----	----	----	----	--------	--------
3162	18418	Butyramide, *N*-propyl-	1	----	1	1	----	----	----	----	----	--------	--------
3163	3818	Butyramide, 2,2,4-trichloro-	----	----	----	----	1	----	----	----	----	--------	--------
3164	30262	Butyramide, *N,N*,2-triethyl-	----	----	----	----	1	----	----	----	----	1	1
3165	31475	Butyranilide, *N*-butyl-3-methyl-	1	2	2	2	----	----	----	----	----	--------	--------
3166	12180	Butyranilide, *N*-isopentyl-	1	----	1	1	----	----	----	----	----	--------	--------

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Atttractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3167	18514	*m*-Butyrotoluidide	1	----	1	1	----	----	----	----	----	----	----
3168	553	Carbamic acid, ethyl ester	1	----	1	1	----	----	----	----	----	----	----
3169	24728	Carbamic acid, dimethyl-, 3-hydroxy-5,5-dimethyl-1-oxo-2-cyclohexen-1-yl ester	----	----	----	----	1	----	----	----	----	----	----
3170	17588	Carbamic acid, dimethyl-, 3-methyl-1-phenyl-5-pyrazolyl ester	1	1	----	----	----	----	----	----	----	----	----
3171	24977	Carbamic acid, dimethyl-, tetrahydrofurfuryl ester	1	----	1	1	----	----	----	----	----	----	----
3172	31471	Carbanilic acid, *N*-butyldithio-, ammonium salt	2	3	2	1	----	----	----	----	----	----	----
3173	31473	Carbanilic acid, *N*-butyldithio-, methyl ester	1	1	1	----	----	----	----	----	----	----	----
3174	31496	Carbanilic acid, *m*-chlorodithio-, ammonium salt	2	2	2	1	----	----	----	----	----	----	----
3175	31495	Carbanilic acid, *o*-chlorodithio-, ammonium salt	1	2	1	2	----	----	----	----	----	----	----
3176	31497	Carbanilic acid, *p*-chlorodithio-, ammonium salt	3	2	2	1	----	----	----	----	----	----	----
3177	31547	Carbanilic acid, *p*-chlorodithio-, methyl ester	1	1	1	1	----	----	----	----	----	----	----
3178	31498	Carbanilic acid, 2,5-dichlorodithio-, ammonium salt	1	3	2	2	----	----	----	----	----	----	----
3179	31474	Carbanilic acid, *N*-ethyldithio-, ammonium salt	2	3	1	2	----	----	----	----	----	----	----
3180	31494	Carbanilic acid, *o*-methoxydithio-, ammonium salt	3	3	3	1	----	----	----	----	----	----	----
3181	31493	Carbanilic acid, *m*-methyldithio-, ammonium salt	3	2	2	1	----	----	----	----	----	----	----
3182	31492	Carbanilic acid, *o*-methyldithio-, ammonium salt	2	2	2	1	----	----	----	----	----	----	----
3183	31544	Carbanilic acid, *o*-methyldithio-, methyl ester	1	1	1	1	----	----	----	----	----	----	----
3184	31505	Carbanilic acid, *p*-methyldithio-, ammonium salt	3	2	2	1	----	----	----	----	----	----	----
3185	31491	Carbanilic acid, *N*-methyldithio-, ammonium salt	2	3	2	1	----	----	----	----	----	----	----
3186	30777	Carbazic acid, 2-isopropylidene-, 3-*p*-menthyl ester	----	----	----	1	----	----	----	----	----	----	----
3187	24119	Carbostyril, 1-methyl-	1	----	----	1	----	----	----	----	----	----	----
3188	24208	Choline	2	2	----	----	----	----	----	----	----	----	----
3189	31665	Chrysanthemumamide, *N*-methyl-*N*-(4,5-methylenedioxy-2-propylphenyl)-	1	1	1	1	----	----	----	----	----	----	----
3190	31625	Chrysanthemumamide, *N*-(2-propyl-4,5-methylenedioxyphenyl)-	1	1	1	----	----	----	----	1	1	----	----
3191	19559	Chrysanthemumic acid, 2-diethylaminoethyl ester	1	----	----	1	----	1	----	----	----	----	----
3192	31401	Chrysanthemumic acid, 4-ethoxy-4-methyl-3-oxo-1-piperidino-1-cyclopenten-2-yl ester	----	----	----	----	----	----	----	1	----	----	----
3193	21886	Chrysanthemumic acid, 6-nitropiperonyl ester	2	----	2	----	----	1	----	----	----	----	----
3194	2196	Cinnamamide, *N*-butyl-	----	----	----	----	----	----	----	1	1	----	----
3195	20223	Cinnamamide, *o*-chloro-*N*,*N*-diethyl-	----	----	----	----	----	----	----	2	1	----	----
3196	686	Cinnamamide, *N*,*N*-diethyl-	----	----	----	----	----	----	----	1	1	----	----
3197	2187	Cinnamamide, *N*,*N*-diisopropyl-	----	----	----	----	----	1	----	1	1	----	----
3198	31287	Cinnamamide, *N*,*N*-diphenyl-	1	1	1	1	----	----	----	1	----	----	----
3199	2186	Cinnamamide, *N*,*N*-dipropyl-	----	----	----	----	----	----	----	2	1	1	1
3200	30755	Cinnamamide, *N*-isobutyl-3,4-methylenedioxy-	----	----	----	----	----	1	----	----	----	----	----
3201	2195	Cinnamamide, *N*-isopropyl-	----	----	----	----	----	----	----	1	1	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3202	30235	Cinnamamide, *N*-[2-(*p*-methoxyphenyl)-ethyl]-*N*-methyl-	2	1	1	1	----	----	----	----	----	1	1
3203	20316	Cinnamic acid, *alpha*-cyano-, ethyl ester	----	----	----	1	1	1	1	1	2	----	----
3204	8518	Cinnamic acid, *alpha*-cyano-*p*-methoxy-, ethyl ester	1	----	1	----	----	----	----	----	----	----	----
3205	20318	Cinnamic acid, *alpha*-cyano-3,4-methylenedioxy-, ethyl ester	1	----	----	1	----	----	----	----	----	----	----
3206	31149	Colchicine	----	----	----	----	1	----	----	----	----	----	----
3207	10050	*s*-Collidine	3	1	----	----	1	----	1	1	1	----	----
3208	20157	Coumarilamide, *N*,*N*-diethyl-	1	----	1	1	----	1	----	----	----	----	----
3209	15321	Creatinine	----	----	----	----	1	----	----	----	----	----	----
3210	19045	*m*-Cresol, 6-*tert*-butyl-2,4-dinitro-	----	----	----	----	1	----	----	----	----	----	----
3211	19049	*m*-Cresol, 6-*tert*-butyl-4-nitro-	----	----	----	----	1	----	----	----	----	----	----
3212	19050	*o*-Cresol, 6-*tert*-butyl-4-nitroso-	----	----	----	----	1	----	----	----	----	----	----
3213	31658	Cyclohexanecarboxamide, 4 (or 5)-chloro-*N*,*N*-diethyl-2-methyl-	1	1	1	2	1	----	----	----	----	----	----
3214	31660	Cyclohexanecarboxamide, 4 (or 5)-chloro-2-methyl-*N*,*N*-dipropyl-	1	1	1	2	1	----	----	----	----	----	----
3215	24213	Cyclohexanesulfamic acid, sodium salt	1	2	----	----	----	----	----	----	----	----	----
3216	20451	Cyclohexanol, 1-nitromethyl-	1	1	1	1	----	1	----	----	----	----	----
3217	21740	3-Cyclohexene-1-carboxamide, *N*,*N*-diethyl-1-methyl-	1	----	2	----	----	1	----	----	----	----	----
3218	20220	3-Cyclohexene-1-carboxamide, *N*,*N*-diethyl-6-methyl-	1	----	1	----	----	1	----	----	----	----	----
3219	21047	4-Cyclohexene-1,2-dicarboximide, *N*-(*p*-chlorophenyl)-	1	----	----	1	----	1	----	----	----	----	----
3220	21050	4-Cyclohexene-1,2-dicarboximide, *N*-heptyl-	1	----	1	1	----	1	----	----	----	----	----
3221	21051	4-Cyclohexene-1,2-dicarboximide, *N*-(*o*-methoxyphenyl)-	1	----	----	1	----	1	----	----	----	----	----
3222	21049	4-Cyclohexene-1,2-dicarboximide, *N*-(1-methylpentyl)-	2	----	1	1	----	1	----	----	----	----	----
3223	20947	4-Cyclohexene-1,2-dicarboximide, *N*-octyl-	----	----	----	----	----	1	----	----	----	----	----
3224	20949	4-Cyclohexene-1,2-dicarboximide, *N*-phenyl-	----	----	----	----	----	1	----	----	----	----	----
3225	21043	4-Cyclohexene-1,2-dicarboximide, *N*-*o*-tolyl-	----	----	----	1	----	1	----	----	----	----	----
3226	21044	4-Cyclohexene-1,2-dicarboximide, *N*-*m*-tolyl-	1	----	----	1	----	1	----	----	----	----	----
3227	21045	4-Cyclohexene-1,2-dicarboximide, *N*-*p*-tolyl-	1	----	----	1	----	1	----	----	----	----	----
3228	15323	Cyclohexylamine	1	----	----	----	----	----	----	----	----	----	----
3229	31406	Cyclopenten-1-one, 5-ethoxy-2-hydroxy-5-methyl-3-morpholino-	----	----	----	----	1	----	----	----	----	----	----
3230	31404	Cyclopenten-1-one, 5-hydroxy-2-methoxy-5-methyl-3-piperidino-	----	----	----	----	1	----	----	----	----	----	----
3231	18781	Cysteine hydrochloride	----	----	----	----	1	----	----	----	----	----	----
3232	9064	L-Cystine	1	----	----	1	----	----	----	----	----	----	----
3233	15324	Diallylamine	1	1	1	1	1	----	----	----	1	----	----
3234	24891	Diallylamine, 2,2′-dimethyl-	1	----	1	1	1	----	----	1	1	----	----
3235	25349	Diammonium hydrogen phosphate	----	----	----	----	----	----	----	1	----	----	----
3236	24809	1,4-Diazabicyclo[2.2.2]octane	2	----	1	----	----	----	----	1	1	----	----
3237	15327	Dibenzylamine	1	----	----	1	----	----	----	----	----	----	----
3238	15329	Dibutylamine	1	----	----	1	----	----	----	----	----	----	----
3239	24637	Dibutylamine, 1-ethynyl-	1	----	----	1	----	----	----	----	----	----	----
3240	24215	Diethylamine	1	1	1	----	----	----	----	----	----	----	----
3241	16320	Diethylenetriamine	1	1	----	----	----	----	----	----	----	----	----
3242	15345	Diisopropylamine	1	1	----	----	----	----	----	----	----	----	----
3243	15638	Dimethylamine	2	----	----	1	----	----	----	----	1	----	----
3244	15029	Dioctylamine	1	----	----	1	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3245	30668	*m*-Dioxane, 2-(9-decenyl)-5-ethyl-5-nitro-	1	1	1	1	1						
3246	30659	*m*-Dioxane, 2-(9-decenyl)-5-methyl-5-nitro-	1	1	1	2	1						
3247	30704	*m*-Dioxane, 2-decyl-5-ethyl-5-nitro-					1						
3248	30707	*m*-Dioxane, 2-decyl-5-methyl-5-nitro-					1						
3249	30933	*m*-Dioxane, 5-ethyl-2-(*p*-isopropylphenyl)-5-nitro-	1	1	1	1	1						
3250	30647	*m*-Dioxane, 5-ethyl-5-nitro-2-octyl-	2	1	1	1	1						
3251	30698	*m*-Dioxane, 5-ethyl-5-nitro-2-phenethyl-					1						
3252	31206	*m*-Dioxane, 5-ethyl-5-nitro-2-*p*-tolyl-	1	1	1	1							
3253	30646	*m*-Dioxane, 5-methyl-5-nitro-2-octyl-					1						
3254	30685	*m*-Dioxane, 5-methyl-5-nitro-2-phenethyl-					1						
3255	15326	Dipentylamine	1			1					1		
3256	17436	Diphenylacetonitrile	2	1	1	2							
3257	781	Diphenylamine	1		1	1							
3258	30831	Diphenylamine, 4'-chloro-2,4-dinitro-				2							
3259	30864	Diphenylamine, *N*-ethyl-2,4-dinitro-	1	1	2	1							
3260	24037	Dipropylamine	1			1							
3261	8905	Disulfide, bis(*o*-nitrophenyl)	2			1							
3262	3272	Disulfide, bis(*p*-nitrophenyl)				1							
3263	15083	Dodecylamine	1	1	1	1	1						
3264	2761	Ephedrine	1			1							
3265	110	Ethane, nitro-	1	1									
3266	24219	Ethanol, 2-amino-	1		1								
3267	16309	Ethanol, 2-diethylamino-	1	1									
3268	9209	Ethanol, 2-dimethylamino-	1	1		1		1					
3269	15335	Ethanol, 2,2-iminodi-	1	1	1	1							
3270	24220	Ethanol, 2-isopropylamino-	1	1									
3271	1140	Ethanol, 2,2',2''-nitrilotri-	1	2	1		1			1			
3272	24221	Ethanol, 2-*p*-toluidino-	2	1									
3273	30618	Ether, bis(*o*-nitrophenyl)	3	1	2	1	1						
3274	24228	Ethylamine	2	2						2			
3275	24229	Ethylamine, 2-(3,4-dimethoxyphenyl)-	2										
3276	24230	Ethylamine, 2-methoxy-	2	2									
3277	24231	Ethylenediamine	2										
3278	24234	Ethyl nitrate	1	1									
3279	24235	Formamide	1	2									
3280	11534	Formamide, *N*,*N*-diethyl-	1	1									
3281	3311	Formamide, *N*,*N*-dimethyl-	2	2					1				
3282	24348	2-Furamide	2		1								
3283	18472	L-Glutamic acid	1		1								
3284	18393	Glutamic acid, monosodium salt					1						
3285	21200	Glutamic acid, 3-hydroxy-, hydrochloride					1						
3286	24392	L-Glutamine	1		1								
3287	4085	Glycine	1	1		1		1					
3288	23956	Glycine, ethyl ester, hydrochloride	1			1							
3289	15398	Glycine, *N*-phenyl-, potassium salt	1	1	1	1							
3290	23958	Glycolonitrile	1			1							
3291	19014	Guanidine, hydrochloride	1			1							
3292	24393	Guanine	1										
3293	24630	4-Heptanol, 1-dimethylamino-5-ethyl-	1			1							
3294	24038	Heptylamine	1			1							
3295	16867	Hexadecylamine	2	2	1	1	1						
3296	14515	Hexamethylenimine, 2-oxo-	1			1							
3297	9611	Hexamethylenetetramine	1			1							
3298	24629	Hexanamide, 2-ethyl-*N*-(2-hydroxypropyl)-	1			1							
3299	24931	3-Hexanol, 2-methyl-2-nitro-	1	1	1	1							
3300	7262	3-Hexanol, 2-nitro-	2	2	1	1							

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3301	24638	Hexylamine, 2-ethyl-1-ethynyl-*N*,*N*-dimethyl-	1										
3302	24640	Hexylamine, 1-ethynyl-*N*,*N*,3,5,5-pentamethyl-	1			1							
3303	30805	Hippuric acid, *p*-chloro-	1	1	1	1							
3304	24394	Histamine, dihydrochloride	1		1								
3305	18473	L-Histidine, monohydrochloride, monohydrate				1							
3306	23957	Hydrazine (85 percent)	2			1							
3307	17266	Hydrazine, phenyl-, hydrochloride	1		1	1							
3308	30757	Hydrocinnamamide, *N*-isobutyl-3,4-methylenedioxy-				1							
3309	4501	Hydrofuramide	2	1									
3310	31100-X	Hydrogen cyanide, 10-percent solution in glycerin	2	2	2	1							
3311	8779	Hydroxylamine, hydrochloride		1									
3312	24703	Imidazole	1		1	1							
3313	25105	Imidazolinium compound, 1(or 3)-benzyl-2-heptadecenyl-1-(2-hydroxyethyl)-chloride	1	1	1	1	1						
3314	25108	Imidazolinium compound, 1 (or 3)-(4-chlorobutyl)-2-heptadecenyl-1-(2-hydroxyethyl)-chloride	1	1	1	1	1						
3315	1540	Indole	1			1		1		1	1		
3316	24258	Indole, 3-(2-aminoethyl)-, hydrochloride	1										
3317	24131	3-Indoleacetic acid	1										
3318	17433	3-Indolepropionic acid	1										
3319	24983	Isatoic anhydride	1		1	1							
3320	24039	Isobutylamine	1		1	1							
3321	21884	*o*-Isobutyranisidide	1		1	1		1				1	1
3322	21894	*o*-Isobutyrophenetidide	1		1	1		1				1	1
3323	21883	*m*-Isobutyrotoluidide	2		1			1				1	1
3324	24266	Isocyanic acid, *o*-ethoxyphenyl ester	1	2									
3325	16555	Isohexylamine	1			1							
3326	18474	Isoleucine	1	1		1							
3327	24040	Isopentylamine				1							
3328	25183	Isopentyl nitrite	1	1	1	1		1					
3329	25034	Isophthalonitrile	1	1	1	1							
3330	10035	Isoquinoline	1			1				1	2		
3331	24276	Lactonitrile	1	1									
3332	5	Lauric acid, 2-thiocyanatoethyl ester	1	1	2		1						
3333	17850	Lauric acid, triester with *N*,*N*-bis(2-hydroxyethyl)lactamide					1						
3334	24277	Lepidine	1	1									
3335	22251	Lepidine, 1,2,3,4-tetrahydro-	1		2								
3336	8899	Leucine	1	1									
3337	30773	Levulinic acid, semicarbazone	1	1	1	1							
3338	24280	2,3-Lutidine	1	1									
3339	24281	2,4-Lutidine	1	1					1				
3340	24282	2,6-Lutidine	1	1									
3341	18306	DL-Lysine, monohydrochloride					1						
3342	24284	Malonamide	1	1									
3343	24285	Malononitrile	1	1									
3344	21298	Mandelonitrile, 2,4-dimethyl-	1		1	1		1					
3345	20145	Mandelonitrile, 3,4-methylenedioxy-	1				1	1	1	2	1		
3346	23799	1,8-*p*-Menthanamine					1						
3347	15660	Methacrylamide	1	1									
3348	111	Methane, nitro-	1			1							
3349	18475	Methionine	1	1		1							
3350	15637	Methylamine	3	2							1		
3351	1231	Morpholine	2	1		1				2	1		
3352	2844	Morpholine, 4-acetyl-	1	1									

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll wevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3353	18737	Morpholine, 4-(2-aminoethyl)-	1	1									
3354	30007	Morpholine, 4-(2,4-dinitrophenyl)-					1			1	1		
3355	24288	Morpholine, 4-ethyl-	1	1									
3356	24289	Morpholine, 4-methyl-	1	1									
3357	1091	Morpholine, 4-phenyl-	1	1									
3358	31638	Morpholine, 4-*m*-toluoyl-	1	1	1		1						
3359	30824	Morpholine, 4-(*p*-tolylsulfonyl)-	1	1	1	1							
3360	25063	1-Naphthalenecarbamic acid, 2-chloroethyl ester	1	1	1	1							
3361	30721	1-Naphthamide, *N*-butyl-					1						
3362	30718	1-Naphthamide, *N,N*-diethyl-					1						
3363	30719	1-Naphthamide, *N,N*-dipropyl-	1	1	1	1	1						
3364	30722	1-Naphthamide, *N*-(*p*-phenylazophenyl)-	2	1	2	2							
3365	30723	1-Naphthoic acid, hydrazide	1	1	1	1							
3366	30696	1-Naphthoic acid, 4,5-methylenedioxy-2-nitrophenyl ester					1						
3367	234	2-Naphthonitrile	1		1	1							
3368	85	1-Naphthylamine	1	1						2			
3369	2906	Nicotinamide	1	2									
3370	3424	Nicotine	1			1							
3371	18994	Nicotinic acid	1	1									
3372	24932	3-Nonanol, 2-methyl-2-nitro-	1	1	1	1							
3373	24928	3-Nonanol, 2-nitro-	1	1	1	1							
3374	24632	4-Nonanol, 1-dimethylamino-6,8,8-trimethyl-	1			1							
3375	24775	3-Nonene, 3-nitro-	1		2		1			2	1		
3376	16562	Nonylamine					1						
3377	15285	Norleucine					1						
3378	18299	DL-Norvaline					1						
3379	31143	Octadecylamine	2	2	1	2	1						
3380	31081	Octanamide, *N*-butyl-	1	1	2	1	1						
3381	31072	Octanamide, *N,N*-butyl-	2	1	1	1	1						
3382	31056	Octanamide, *N,N*-diethyl-	2	1	2	1	1						
3383	31066	Octanamide, *N,N*-dipropyl-	2	2	2	1	1						
3384	31082	Octanamide, *N*-isobutyl-	1	1	1	1	1						
3385	7267	3-Octanol, 4-ethyl-2-nitro-	2		1								
3386	24631	2-Octanone, 3-dimethylamino-4-ethyl-	1			1							
3387	11522	*tert*-Octylamine					1				1		
3388	3761	Oxamide	2										
3389	21976	2-Oxazolin-5-one, 4-(6-chloropiperonylidene)-2-phenyl-	2	2	2	1		1				1	1
3390	21975	2-Oxazolin-5-one, 4-(*p*-methoxybenzylidene)-2-phenyl-	2	2	2	1		1				1	1
3391	24930	3-Pentanol, 2-methyl-2-nitro-	1	1	1	1							
3392	7253	3-Pentanol, 4-methyl-2-nitro-	2	2	1	1							
3393	24927	3-Pentanol, 2-nitro-	1	1	1	1							
3394	30775	2-Pentanone, 4-methyl-, semicarbazone	1	1	1	1							
3395	25184	Pentyl nitrite	1	1	1	1		1					
3396	20164	Peroxybenzoic acid, 4-diethylcarbamoyl-2-methoxy-, ethyl ester	1					1					
3397	3117	Phenethylamine	1			1							
3398	23876	Phenethylamine, 3,4-dimethoxy-	2	1	1								
3399	20155	Phenethylamine, *N,alpha*-dimethyl-, D-, hydrochloride	1					1					
3400	9043	*o*-Phenetidine	1	1		1							
3401	9042	*p*-Phenetidine	1			1							
3402	707	Phenetole, 2,4-dinitro-	2	1	1	1				1	1		
3403	232	Phenetole, *o*-nitro-	2	1									
3404	14871	Phenol, *m*-amino-	1	1									
3405	14895	Phenol, *m*-diethylamino-	1	2									
3406	30617	Phenol, 4,5-methylenedioxy-2-nitro-, acetate	2	2	2	1							

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3407	30687	Phenol, 4,5-methylenedioxy-2-nitro-, benzoate					1						
3408	24342	Phenol, x-nitro-	1	2									
3409	21066	Phenol, *o*-nitro-, acetate	2			1							
3410	19026	Phenol, *p*-nitroso-	2	1	2	1							
3411	24343	*o*-Phenylenediamine	2	1									
3412	18861	Phosphorothioic acid, *O*-(3-chloro-4-nitrophenyl) *O,O*-dimethyl ester	2	2	1								
3413	20596	Phthalamide, *N,N,N',N'*-tetraethyl-	1	2									
3414	9347	Phthalic acid, 4-nitro-, dimethyl ester	1	2									
3415	2419	Phthalimide, *N-sec*-butyl-	1	1	1	1							
3416	2620	Phthalimide, *N*-cyclohexyl-								2	1		
3417	1394	Phthalimide, *N*-ethyl-	1		1	1							
3418	2417	Phthalimide, *N*-pentyl-	2	2	1	1				2	1		
3419	24109	2-Picoline				1							
3420	24112	2-Picoline, 6-amino-	1			1							
3421	19225	2-Picoline, 5-ethyl-	1										
3422	24502	2-Picoline, 1-oxide	1		1	1							
3423	24110	3-Picoline	2	1		1							
3424	14684	3-Picoline, 2-amino-	1	1		1							
3425	24111	4-Picoline	1			1							
3426	23984	4-Picoline, 2-amino-	1			1							
3427	24345	Picolinic acid	1	2									
3428	15403	Picric acid	3	2									
3429	25263	*alpha*-Pipecoline	1	1	1	1				1		1	
3430	24114	Piperidine	1	1	1	1	1	1		1	1		
3431	30821	Piperidine, 1-(2,4-dinitrophenyl)-	2	2	2	1							
3432	20365	Piperidine, 1-(*p*-ethoxybenzoyl)-	1			1	1						
3433	30720	Piperidine, *N*-1-naphthoyl-					1						
3434	31642	Piperidine, 1-*m*-toluoyl-	1	1	1	2							
3435	31641	Piperidine, 1-*o*-toluoyl-	1	1	1	2							
3436	31640	Piperidine, 1-*p*-toluoyl-	1	1	1								
3437	30566	1-Piperidinecarboxylic acid, benzyl ester					1						
3438	30861	Piperonal, phenylhydrazone	2	1	2	1							
3439	30792	Piperonylamide, *N*-butyl-	1	1	1	1							
3440	30756	Piperonylamide, *N*-cyclohexyl-				1							
3441	30812	Piperonylamide, *N*-ethyl-				1							
3442	30806	Piperonylamide, *N*-methyl-				1							
3443	30854	Piperonylamide, *N*-pentyl-				1							
3444	30787	Piperonylamide, *N*-phenyl-	2	1	1	1							
3445	30778	Piperonylamide, *N-m*-tolyl-				1							
3446	31076	Piperonylamine, 6-bromo-*alpha*-(1-bromoethyl)-*N,N*-dipropyl-					1						
3447	20821	Piperonylamine, *N*-butyl-					1	1	1	1	1		
3448	24347	1,3-Propanediamine, *N*-isopropyl-	2	1		1							
3449	3948	1,3-Propanediol, 2-amino-2-(hydroxymethyl)-	2	1									
3450	14653	2-Propanol, 1-amino-	2	1									
3451	15325	2-Propanol, 1,3-diamino-	2	2	1	1							
3452	24934	2-Propanol, 2-methyl-1-nitro-	1	1	1	1							
3453	1450	2-Propanol, 1, 1',1''-nitrilotri-	1	2									
3454	21217	Propionamide	1	1									
3455	21062	Propionamide, 3-chloro-	1			1							
3456	21870	Propionamide, *N,N*-diisobutyl-2-methyl-	1		1	1		1					
3457	19796	Propionamide, *N*-heptyl-	1		1			1					
3458	21869	Propionamide, *N*-hexyl-2-methyl-	1		1	1		1					
3459	15237	Propionamide, *N*-(2-hydroxyethyl)-	1			1							
3460	21911	Propionamide, 2-methyl-*N,N*-dioctyl-	2		1	1		1				1	1
3461	21880	Propionamide, 2-methyl-*N*-(1-methylpentyl)-	1		1	1		1					
3462	21871	Propionanilide, *N*-butyl-2-methyl-	2		2	1		1					
3463	21671	Propionanilide, 2'-chloro-2-methyl-	1		1	1		1					

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3464	21868	Propionanilide, *N*,2-dimethyl-	1	----	2	1	----	1	----	----	----	----	----
3465	2638	Propionanilide, *N*-ethyl-2-methyl-	1	----	1	1	----	----	----	----	----	----	----
3466	30642	Propionanilide, 2-methyl-2′-nitro-	----	----	----	----	1	----	----	----	----	----	----
3467	30669	Propionic acid, 4,5-methylenedioxy-2-nitrophenyl ester	----	----	----	----	1	----	----	----	----	----	----
3468	8777	Propionitrile	1	2	2	1	----	----	----	----	----	----	----
3469	30887	Propionitrile, 3,3′,3″-(*p*-anisoylmethylidyne)tri-	1	2	1	1	----	----	----	----	----	----	----
3470	24647	Propionitrile, 3,3′-(3,5-dichloro-2-hydroxybenzylimino)di-	1	----	----	----	----	----	----	----	----	----	----
3471	30893	Propionitrile, 3,3′,3″-(2-naphthoylmethylidyne)tri-	1	1	1	1	----	----	----	----	----	----	----
3472	24894	Propionitrile, 3,3′-oxydi-	1	----	1	1	----	----	----	----	----	----	----
3473	10511	Propiophenone, oxime	1	1	1	1	----	----	----	----	----	----	----
3474	17804	Pseudourea, 2-benzyl-2-thio-, hydrochloride	1	----	1	1	----	----	----	----	----	----	----
3475	31447	Pseudourea, 2-(6-bromopiperonyl)-2-thio-	1	1	1	1	----	----	----	----	----	----	----
3476	31446	Pseudourea, 2-(6-bromopiperonyl)-2-thio-, hydrochloride	1	1	1	1	----	----	----	----	----	----	----
3477	31502	Pseudourea, 2-(6-chloropiperonyl)-2-thio-	----	----	----	1	----	----	----	----	----	----	----
3478	31460	Pseudourea, 2-(2,4-dichlorobenzyl)-2-thio-	1	1	1	1	----	----	----	----	----	----	----
3479	31456	Pseudourea, 2-(2,4-dimethylbenzyl)-2-thio-	----	----	----	----	1	----	----	----	----	----	----
3480	31457	Pseudourea, 2-(3,4-dimethylbenzyl)-2-thio-	1	1	1	1	----	----	----	----	----	----	----
3481	18304	Putrescine, dihydrochloride	2	2	----	----	----	----	----	----	----	----	----
3482	31294	4*H*-Pyran-4-one, 6-carbamoyl-2,3-dihydro-2,2-dimethyl-	1	1	1	1	----	----	----	----	----	----	----
3483	15287	Pyridine, 2-amino-	1	1	----	----	----	----	----	----	----	----	----
3484	30836	Pyridine, 2-(4-chlorobenzamido)-	----	----	----	1	----	----	----	----	----	----	----
3485	24041	Pyridine, 2,3-dihydro-2,2,4,6-tetramethyl-	1	----	1	1	----	----	----	----	----	----	----
3486	24115	Pyridine, 2-hexyl-	1	----	----	1	----	----	----	----	----	----	----
3487	24360	Pyridine, 4-pentyl-	1	1	----	----	----	----	----	----	----	----	----
3488	24116	Pyridine, 2-vinyl-	1	1	----	1	----	----	----	----	----	----	----
3489	24361	4-Pyridinepropanol	1	1	----	----	----	----	----	----	----	----	----
3490	24635	5-Pyrimidinol, hexahydro-1,3-bis(1,1,3,3-tetramethylbutyl)-	1	----	----	----	----	----	----	----	----	----	----
3491	18817	Pyrrole	1	1	1	1	----	----	----	----	----	----	----
3492	24117	Pyrrolidine	2	----	----	1	----	----	----	----	1	----	----
3493	23116	2-Pyrrolidone, 1-methyl-	1	----	----	1	----	----	----	----	1	----	----
3494	11528	Quinaldine	3	1	----	1	----	----	----	1	1	----	----
3495	1241	Quinoline	2	1	----	1	----	----	1	1	1	----	----
3496	5974	Quinoline, 1-butyryl-1,2,3,4-tetrahydro-	1	----	----	1	----	----	----	----	----	----	----
3497	16316	Quinoline, 6-methoxy-	1	1	----	----	----	----	----	----	----	----	----
3498	8869	Quinoline, 6-methyl-	3	1	----	1	----	----	----	----	----	----	----
3499	850	Quinoline, 7-methyl-	3	----	----	1	----	----	----	----	----	----	----
3500	849	Quinoline, 8-methyl-	3	----	----	1	----	----	----	----	----	----	----
3501	10034	Quinoline, 1,2,3,4-tetrahydro-	1	1	----	----	----	----	----	----	----	----	----
3502	24365	6-Quinolinecarboxylic acid	2	2	----	----	----	----	----	----	----	----	----
3503	483	8-Quinolinol	1	2	----	1	----	----	----	----	----	----	----
3504	21308	Quinoxaline	2	----	1	1	----	1	----	----	----	----	----
3505	31374	Salicylaldehyde, 4-bromo-, semicarbazone	----	----	----	----	1	----	----	----	----	----	----
3506	3454	Salicylamide	1	1	----	----	----	----	----	----	----	----	----
3507	16240	Salicylamide, *N*-propyl-	1	1	1	1	----	----	----	----	----	----	----
3508	15410	Sarcosine	----	----	----	----	1	----	----	----	----	----	----
3509	31538	Seneciamide, *N*,*N*-dibutyl-	1	1	1	1	----	----	----	----	----	----	----
3510	18476	DL-Serine	----	----	----	1	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3511	24372	Skatole	1										
3512	3102	Stearic acid, ammonium salt	3	3									
3513	6166	Succinamic acid, *N,N*-diethyl-, ethyl ester					1						
3514	8539	Succinimide	1	1									
3515	31668	Succinimide, *N*-butyl-	1	1	1	1							
3516	31673	Succinimide, *N-sec*-butyl-	1	1	1	1							
3517	31794	Succinimide, *N*-ethyl-	1	1	1	2							
3518	31795	Succinimide, *N*-ethyl-2-(1,1,3,5-tetramethyl-2-octenyl)-	1	1	1	2							
3519	31674	Succinimide, *N*-hexyl-	1	1	1	1							
3520	31670	Succinimide, *N*-isobutyl-	1	1	1	1							
3521	31671	Succinimide, *N*-isopropyl-	1	1	1	1							
3522	31797	Succinimide, *N*-isopropyl-2-(1,1,3,5-tetramethyl-2-octenyl)-	1	1	1	1							
3523	6591	Succinonitrile	1	1	1	1							
3524	30237	Sulfamide	1	1	1	1							
3525	30837	Sulfanilanilide 4′-nitro-	2	1	2	1							
3526	16371	Sulfide, bis(2 4-dinitrophenyl)	1	1	2	1							
3527	4010	Sulfone, bis(4-chloro-3-nitrophenyl)	1	1	1	1							
3528	24645	6,9-Tetradecanediamine, *N,N,N′,N′*,2,2,4,11,13,13-decamethyl-	1			1							
3529	24644	7-Tetradecyne-6,9-diamine, *N,N,N′,N′*,2,2,4,11,13,13-decamethyl-	1			1							
3530	10049	Tetraethylenepentamine	1	2									
3531	24648	1,2,5-Thiadiazolidine, 2,5-bis(3,5,5-trimethylhexyl)-, 1,1-dioxide	1			1							
3532	986	Thiazoline-2-thiol	1		1	1							
3533	18477	DL-Threonine					1						
3534	31515	*m*-Toluamide, *N*-butyl-	1	1	1	2							
3535	30126	*m*-Toluamide, *N,N*-dibutyl-	1		1	1	1			2	1	1	1
3536	20218	*m*-Toluamide, *N,N*-diethyl-						1	1	2	1		
3537	31514	*m*-Toluamide, *N,N*-diisobutyl-	1	1	1	1							
3538	30130	*m*-Toluamide, *N,N*-diisopropyl-					1				1		
3539	30105	*m*-Toluamide, *N,N*-dimethyl-					1			2	1		
3540	31518	*m*-Toluamide, *N,N*-dioctyl-	1	1	1	1							
3541	30106	*m*-Toluamide, *N,N*-dipropyl-					1			1	1		
3542	30131	*m*-Toluamide, *N*-methyl-					1			2	2		
3543	31636	*m*-Toluamide, *N*-pentyl-	2	1	1		1				1		
3544	30079	*o*-Toluamide, *N*-benzyl-					1				1		
3545	30068	*o*-Toluamide, *N*-butyl-	1	1	1	1					1	1	1
3546	30090	*o*-Toluamide, *N-sec*-butyl-					1				1		
3547	30075	*o*-Toluamide, *N*-cyclohexyl-					1				1		
3548	30002	*o*-Toluamide, *N,N*-dibutyl-	1	1	1	1				2	1	1	1
3549	20217	*o*-Toluamide, *N,N*-diethyl-	1			1		1		1	1		
3550	31652	*o*-Toluamide, *N,N*-diisobutyl-	1	1	1	2							
3551	30000	*o*-Toluamide, *N,N*-diisopropyl-	1	1	1	1				1	1	1	1
3552	30025	*o*-Toluamide, *N,N*-dipropyl-	1	1	1	1		1		1	1		
3553	31637	*o*-Toluamide, *N*-pentyl-	2	1	1								
3554	30369	*p*-Toluamide, *N*-benzyl-					1						
3555	30355	*p*-Toluamide, *N*-butyl-					1			1			
3556	30416	*p*-Toluamide, *N-sec*-butyl-					1				1		
3557	30146	*p*-Toluamide, *N,N*-dibutyl-	1		1	1	1				1	1	1
3558	20219	*p*-Toluamide, *N,N*-diethyl-								1	1		
3559	30330	*p*-Toluamide, *N,N*-dimethyl-	1	1	1	1	1			1	1		
3560	30140	*p*-Toluamide, *N,N*-dipropyl-	1		1	1						1	1
3561	30332	*p*-Toluamide, *N*-pentyl-	1	1	1	1	1						
3562	31199	*o*-Toluanilide					1						
3563	485	Toluene, 2-chloro-6-nitro-	1			1							
3564	494	Toluene, 4-chloro-2-nitro-	1		3	1							
3565	16311	Toluene, 2-nitro-	1	1	1	1		1					
3566	3717	Toluene-2,4-diamine	1	1									

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3567	424	*p*-Toluenesulfonamide, *N*,*N*-dibutyl-			1	1							
3568	8016	*p*-Toluenesulfonamide, *N*-(2-cyclohexylcyclohexyl)-									1		
3569	24383	*o*-Toluidine	1	1									
3570	19858	*p*-Toluidine	1	1				1					
3571	31269	*o*-Toluo-*o*-anisidide					1						
3572	4858	Triazene, 1,3-diphenyl-	1			1							
3573	25257	*s*-Triazine-2,4,6(1*H*,3*H*,5*H*)-trione, 3,5-dichloro-	1	1	1	1						1	1
3574	17193	*s*-Triazine-2,4,6(1*H*,3*H*,5*H*)-trione, 1,3,5-trichloro-	1	1	2	1						1	1
3575	24643	*s*-Triazine, 1,3,5-tricyclohexylhexahydro-	1			1							
3576	15425	Triethylamine	1	1						1			
3577	24384	Triethylenetetramine	1	1			1						
3578	24385	Triheptylamine	1	1									
3579	16695	Triisopentylamine	1	1									
3580	24395	DL-Tryptophan					1						
3581	18478	L-Tryptophan				1							
3582	18479	DL-Tyrosine				1							
3583	9055	L-Tyrosine	1			1							
3584	1202	Urea	1	1									
3585	24634	Urea, 1,3-bis(1,1,3,3-tetramethylbutyl)-	1			1							
3586	24636	Urea, 1,3-di-*tert*-butyl-2-thio-	1			1							
3587	24386	Urea, 1,3-dimethyl-	1	1									
3588	24387	Valeramide	1	1									
3589	30826	Valeric acid, phenylhydrazone				1							
3590	30052	Valeronitrile	1	1	1	1							
3591	18308	DL-Valine	1									1	1
3592	30872	*o*-Veratraldehyde, phenylhydrazone	1	1	1	1							
3593	30809	*o*-Veratramide	1	1	1	1							
3594	20861	Veratrole, 4-nitro-	2			1							
3595	9017	*m*-Xylene, 5-*tert*-butyl-2,4,6-trinitro-	1	1	1	1							
3596	25033	*m*-Xylene-*alpha*,*alpha*′-diamine	2	2	1	1							
3597	24568	3,5-Xylenol, 4-nitro-	2	1	2	1							
3598	24178	x,x-Xylidine	1	1									
3599	16559	2,5-Xylidine					1						
		GROUP 9.—HALOGEN-CONTAINING COMPOUNDS											
3600	30999	Acetaldehyde, *alpha*-(1-bromoethyl)-6-bromopiperonyl 2-(2-ethoxyethoxy)-ethyl acetal					1						
3601	30746	Acetaldehyde, 3-(2-bromo-4,5-methylenedioxyphenyl)-2-methylpropyl isobutyl acetal					1						
3602	21920	Acetaldehyde, butyl 2-chloroethyl acetal	1		1	1		1					
3603	20519	Acetic acid, *p*-chlorobenzhydryl ester	1		1			1					
3604	20191	Acetic acid, bis(*p*-chlorophenyl)-, 4,4′-dichlorobenzhydryl ester	1										
3605	18917	Acetic acid, bromo-, benzyl ester			1								
3606	20961	Acetic acid, bromo-, 2-(2-butoxyethoxy)-ethyl ester	1			1	1	1	1	1	1		
3607	20960	Acetic acid, bromo-, 2-butoxyethyl ester	1			1		1					
3608	21143	Acetic acid, bromo-, 2-(*p*-*sec*-butylphenoxy)-1-methylethyl ester	1			1		1					
3609	21157	Acetic acid, bromo-, 2-chloro-1-methylethyl ester						1					
3610	21135	Acetic acid, bromo-, *p*-chlorophenethyl ester				1		1					
3611	21144	Acetic acid, bromo-, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1			1		1					
3612	21142	Acetic acid, bromo-, 2-(*p*-chlorophenoxy)-1-methylethyl ester	1			1		1					

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS—Continued											
3613	21158	Acetic acid, bromo-, 3-chloropropyl ester	----	----	----	----	----	1	----	----	----	----	----
3614	13005	Acetic acid, bromo-, cyclohexyl ester	----	----	1	----	----	----	----	----	----	----	----
3615	31053	Acetic acid, bromo-, 2-cyclohexylcyclohexyl ester	----	----	----	----	1	----	----	----	----	----	----
3616	30395	Acetic acid, bromo-, decyl ester	1	----	1	----	1	----	----	----	----	----	----
3617	21394	Acetic acid, bromo-, 2,3-dibromopropyl ester	1	----	----	1	----	----	----	----	----	1	1
3618	21145	Acetic acid, bromo-, 2-(2,4-dichlorophenoxy)-1-methylethyl ester	1	----	----	1	----	1	----	----	----	----	----
3619	21585	Acetic acid, bromo-, 2,4-dimethylbenzyl ester	1	----	1	1	1	1	----	----	----	----	----
3620	30204	Acetic acid, bromo-, 3,4-dimethylbenzyl ester	1	1	1	1	1	----	----	----	----	1	1
3621	30914	Acetic acid, bromo-, 2,2-dimethylpentyl ester	1	1	1	1	1	----	----	----	----	----	----
3622	21136	Acetic acid, bromo-, ester with citronellol	1	----	----	1	----	1	----	----	----	----	----
3623	21134	Acetic acid, bromo-, ester with 3,9-diethyl-6-tridecanol	1	----	2	1	----	1	----	----	----	----	----
3624	21132	Acetic acid, bromo-, 2-ethylbutyl ester	1	----	2	1	----	1	----	1	2	----	----
3625	21133	Acetic acid, bromo-, 4-ethyl-1-methyloctyl ester	----	----	----	1	----	1	----	----	----	----	----
3626	18921	Acetic acid, bromo-, 1-ethylpentyl ester	----	----	1	----	----	----	----	----	----	1	1
3627	18918	Acetic acid, bromo-, 1-ethylpropyl ester	----	----	1	----	----	----	----	----	----	----	----
3628	21139	Acetic acid, bromo-, heptyl ester	2	----	----	1	----	1	----	----	----	----	----
3629	30739	Acetic acid, bromo-, hexadecyl ester	1	1	1	1	1	----	----	----	----	----	----
3630	20959	Acetic acid, bromo-, hexyl ester	2	----	----	1	----	1	----	1	1	----	----
3631	21926	Acetic acid, bromo-, 3-methoxybutyl ester	1	----	1	1	----	1	----	----	----	----	----
3632	30201	Acetic acid, bromo-, *m*-methylbenzyl ester	2	1	2	1	1	----	----	----	----	----	----
3633	18919	Acetic acid, bromo-, 2-methylpentyl ester	----	----	2	----	----	----	----	----	----	----	----
3634	30590	Acetic acid, bromo-, nonyl ester	1	2	1	1	1	----	----	----	----	----	----
3635	21156	Acetic acid, bromo-, tetradecyl ester	----	----	----	1	----	1	----	----	----	----	----
3636	30211	Acetic acid, bromo-, triester with glycerol	1	1	1	1	1	----	----	----	----	1	1
3637	30901	Acetic acid, bromo-, undecyl ester	1	1	1	1	1	----	----	----	----	----	----
3638	18416	Acetic acid, chloro-, 2-(*p-tert*-butylphenoxy)ethyl ester	1	----	1	1	----	----	----	----	----	----	----
3639	30424	Acetic acid, chloro-, 2-(*p-sec*-butylphenoxy)-1-methylethyl ester	1	----	1	2	1	----	----	----	----	----	----
3640	31051	Acetic acid, chloro-, 2-cyclohexylcyclohexyl ester	1	1	1	2	1	----	----	----	----	----	----
3641	30732	Acetic acid, chloro-, decyl ester	1	1	1	1	1	----	----	----	----	----	----
3642	21396	Acetic acid, chloro-, 2,3-dibromopropyl ester	1	----	----	1	----	1	----	----	----	1	1
3643	23375	Acetic acid, chloro-, 3,5-dichloro-2-biphenylyl ester	----	----	----	----	1	----	----	----	----	----	----
3644	2151	Acetic acid, chloro-, diester with ethylene glycol	1	1	1	1	----	----	----	----	----	----	----
3645	30884	Acetic acid, chloro-, diester with 2,2′-methylenebis(4-chlorophenol)	1	1	1	1	----	----	----	----	----	----	----
3646	30197	Acetic acid, chloro-, 3,4-dimethylbenzyl ester	2	1	2	1	1	----	----	----	----	1	1
3647	18524	Acetic acid, chloro-, 1,3-dimethylbutyl ester	1	----	2	1	----	----	----	----	----	----	----
3648	31387	Acetic acid, chloro-, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethyl ester	2	1	1	1	----	----	----	----	----	----	----
3649	30913	Acetic acid, chloro-, 2,2-dimethylpentyl ester	1	1	3	1	1	----	----	----	----	----	----
3650	18525	Acetic acid, chloro-, 1-ethylpentyl ester	1	----	2	1	----	----	----	----	----	----	----
3651	21528	Acetic acid, chloro-, heptyl ester	----	----	1	1	----	1	----	----	----	1	1
3652	30699	Acetic acid, chloro-, hexyl ester	1	1	2	1	1	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS—Continued											
3653	18414	Acetic acid, chloro-, 2-isopropylcyclohexyl ester	1	----	1	1	----	----	----	----	----	----	----
3654	18411	Acetic acid, chloro-, 4-isopropylcyclohexyl ester	1	----	1	1	----	----	----	----	----	----	----
3655	21925	Acetic acid, chloro-, 3-methoxybutyl ester	1	----	1	1	----	1	----	----	----	1	1
3656	30063	Acetic acid, chloro-, *m*-methylbenzyl ester	3	1	2	1	1	----	----	----	1	1	1
3657	18484	Acetic acid, chloro-, 4-methylcyclohexyl ester	1	----	2	1	----	----	----	----	----	----	----
3658	18522	Acetic acid, chloro-, 1-methylheptyl ester	2	----	1	1	----	----	----	----	1	----	----
3659	30589	Acetic acid, chloro-, nonyl ester	1	1	1	1	1	----	----	----	----	----	----
3660	30591	Acetic acid, chloro-, octyl ester	1	1	1	1	1	----	----	----	----	----	----
3661	7345	Acetic acid, chloro-, 2-phenoxyethyl ester	1	1	1	1	----	----	----	----	----	----	----
3662	31011	Acetic acid, chloro-, piperonyl ester	2	2	2	1	1	----	----	----	----	----	----
3663	21189	Acetic acid, chloro-, tetrahydropyran-2-ylmethyl ester	1	1	1	1	----	1	----	----	----	----	----
3664	30328	Acetic acid, chloro-, triester with glycerol	----	----	----	----	1	----	----	----	----	----	----
3665	30900	Acetic acid, chloro-, undecyl ester	1	1	1	1	1	----	----	----	----	----	----
3666	5833	Acetic acid, (*p*-chlorobenzoyl)-, ethyl ester	----	----	----	----	1	----	----	----	----	----	----
3667	30799	Acetic acid, (*p*-chlorophenoxy)-	1	1	1	1	----	----	----	----	----	----	----
3668	21402	Acetic acid, dichloro-, benzyl ester	1	----	----	1	----	1	----	----	----	1	1
3669	21401	Acetic acid, dichloro-, butyl ester	1	----	----	1	----	1	----	----	----	1	1
3670	21407	Acetic acid, dichloro-, cyclohexyl ester	1	----	----	1	----	1	----	----	----	1	1
3671	21410	Acetic acid, dichloro-, phenethyl ester	1	----	----	1	----	1	----	----	----	1	1
3672	30417	Acetic acid, iodo-, benzyl ester	----	----	----	----	1	----	----	----	----	----	----
3673	30432	Acetic acid, iodo-, 2-bromoethyl ester	----	----	----	----	1	----	----	----	----	----	----
3674	30442	Acetic acid, iodo-, ethylene ester	----	----	----	----	1	----	----	----	----	----	----
3675	30426	Acetic acid, iodo-, hexyl ester	----	----	----	----	1	----	1	1	1	----	----
3676	20958	Acetic acid, iodo-, phenethyl ester	1	----	----	1	1	1	1	1	2	----	----
3677	30427	Acetic acid, iodo-, 2-phenoxyethyl ester	----	----	----	----	1	----	----	----	----	----	----
3678	31104	Acetic acid, (*p*-methoxyphenyl)-, 2-bromoethyl ester	1	2	2	1	----	----	----	----	----	----	----
3679	31102	Acetic acid, (*p*-methoxyphenyl)-, 2-chloroethyl ester	1	2	1	1	----	----	----	----	----	----	----
3680	21399	Acetic acid, phenoxy-, 2,3-dibromopropyl ester	1	----	----	1	----	1	----	----	----	1	1
3681	22223	Acetic acid, phenyl-, 2-bromoethyl ester	----	----	----	----	1	----	----	----	----	----	----
3682	22227	Acetic acid, phenyl , *p*-chlorobenzyl ester	----	----	----	----	1	----	----	----	----	----	----
3683	22218	Acetic acid, phenyl-, 2-chloroethyl ester	----	----	----	----	1	----	----	----	----	----	----
3684	30321	Acetic acid, phenyl-, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	1	1	1	1	----	----	----	----	----	----
3685	30325	Acetic acid, phenyl-, 2-(*p*-chlorophenoxy)-1-methylethyl ester	1	1	1	1	1	----	----	----	----	----	----
3686	21400	Acetic acid, phenyl-, 2,3-dibromopropyl ester	1	----	----	1	1	1	----	----	----	1	1
3687	31478	Acetic acid, thio-, 6-bromopiperonyl ester	----	----	----	1	----	----	----	----	----	----	----
3688	24157	Acetic acid, trichloro-	1	1	----	----	----	1	----	----	----	----	----
3689	31211	Acetic acid, trichloro-, 6-bromo-*alpha*-(1-bromoethyl)piperonyl ester	1	1	1	1	----	----	----	----	----	1	1
3690	31254	Acetic acid, trichloro-, *alpha*-ethylbenzyl ester	2	2	3	1	----	----	----	----	----	1	1
3691	25258	Acetophenone, 2-chloro-3′,4′-dihydroxy-	2	1	2	2	----	----	----	1	----	1	----
3692	30702	Acrylic acid, 3-(2-bromo-4,5-methylenedioxyphenyl)-2-phenyl-, ethyl ester	----	----	----	----	1	----	----	----	----	----	----
3693	30703	Acrylic acid, 3-(2-chloro-4,5-methylenedioxyphenyl)-2-phenyl-, ethyl ester	----	----	----	----	1	----	----	----	----	----	----
3694	15949	Aldrin	1	----	----	----	----	----	----	----	----	----	----
3695	31041	*p*-Anisic acid, 6-bromo-*alpha*-(1-bromoethyl)piperonyl ester	1	1	1	1	----	----	----	----	----	1	1

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS—Continued											
3696	30603	*p*-Anisic acid, 2-bromoethyl ester	1	1	1	1	1						
3697	30602	*p*-Anisic acid, 2-chloroethyl ester	1	1	1	1	1						
3698	16063	Benzaldehyde, 2,4-dichloro-	1			1							
3699	31038	Benzene, 4-[2-bromo-1-(allyloxy)propyl]-1,2-methylenedioxy-	2	1	1	2	1						
3700	31073	Benzene, 4-bromo-5-[2-bromo-1-(2-butoxyethoxy)propyl]-1,2-methylenedioxy-					1						
3701	31058	Benzene, 4-bromo-5-(2-bromo-1-butoxypropyl)-1,2-methylenedioxy-					1						
3702	31080	Benzene, 4-bromo-5-(2-bromo-1-isobutoxypropyl)-1,2-methylenedioxy-					1						
3703	31083	Benzene, 4-bromo-5-(2-bromo-1-isopentyloxypropyl)-1,2-methylenedioxy-					1						
3704	31062	Benzene, 4-bromo-5-(2-bromo-1-isopropoxypropyl)-1,2-methylenedioxy-					1						
3705	30984	Benzene, 4-bromo-5-(2-bromo-1-methoxypropyl)-1,2-methylenedioxy-					1						
3706	31084	Benzene, 4-bromo-5-(2-bromo-1-pentyloxypropyl)-1,2-methylenedioxy-					1						
3707	31035	Benzene, 4-(2-bromo-1-butoxypropyl)-1,2-methylenedioxy-				1	1						
3708	15313	Benzene, 1-bromo-4-chloro-	1		3	1							
3709	31034	Benzene, 4-[2-bromo-1-(1,3-dimethyl-3-butenyloxy)propyl]-1,2-methylenedioxy-					1						
3710	31689	Benzene, 4-bromo-5-(1,2-epoxypropyl)-1,2-methylenedioxy-	1	1	1	1							
3711	31001	Benzene, 4-(2-bromo-1-ethoxypropyl)-1,2-methylenedioxy-	3	1	2	2	1						
3712	31036	Benzene, 4-(2-bromo-1-isopentyloxypropyl)-1,2-methylenedioxy-	3	1	1	1	1						
3713	31037	Benzene, 4-(2-bromo-1-isopropyloxypropyl)-1,2-methylenedioxy-					1						
3714	31000	Benzene, 4-(2-bromo-1-methoxypropyl)-1,2-methylenedioxy-	3	1	2	2	1						
3715	31214	Benzene, 5-bromo-1,2-methylenedioxy-4-(2,3-dibromopropoxy)-	1	1	1	1						1	1
3716	31255	Benzene, 5-bromo-1,2-methylenedioxy-4-propyl-	2	2	3	1						1	1
3717	31033	Benzene, 4-(2-bromo-1-propoxypropyl)-1,2-methylenedioxy-	3	1	2	1	1			1			
3718	20997	Benzene, 5-(2-bromopropyl)-1,2-methylenedioxy-	1			1		1					
3719	31257	Benzene, 4-(2,3-dibromopropyl)-5-ethoxy-1,2-methylenedioxy-	1	1	1							1	1
3720	15517	Benzene, *m*-dichloro-	1	1	1	1			2				
3721	53	Benzene, *o*-dichloro-	1			1			1				
3722	50	Benzene, *p*-dichloro-	1			1			1				
3723	21245	Benzene, 1,2-dichloro-4,5-methylenedioxy-			1	1		1					
3724	21631	Benzene, 1,2-methylenedioxy-3,4,5-trichloro-			1	1	1	1				1	1
3725	7775	Benzene, 1,2,4-trichloro-	1		3	1				1			
3726	23118	Benzenethiol, pentachloro-	1	1	1	1							
3727	25040	Benzil, 4,4′-dibromo-	1	1	1	1							
3728	30966	Benzoic acid, 2,3-dibromo-1,1-dimethylpentyl ester				1	1						
3729	3714	Benzoic acid, *o*-chloro-	1			1							
3730	31042	Benzoic acid, *o*-chloro-, *alpha*-(1-bromoethyl)-6-bromopiperonyl ester					1						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS—Continued											
3731	31392	Benzoic acid, *o*-chloro-, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethyl ester	1	1	1	1	1	----	----	----	----	----	----
3732	30920	Benzoic acid, *o*-chloro-, 2,2-dimethylpentyl ester	2	1	1	1	1	----	----	----	----	----	----
3733	30975	Benzoic acid, *o*-chloro-, heptyl ester	1	1	1	2	1	----	----	----	----	----	----
3734	31355	Benzoic acid, *o*-chloro-, 2-propylheptyl ester	1	1	1	1	----	----	----	----	----	1	1
3735	3715	Benzoic acid, *p*-chloro-	1	----	----	1	----	----	----	----	----	----	----
3736	31040	Benzoic acid, *p*-chloro-, 6-bromo-*alpha*-(1-bromoethyl)piperonyl ester	1	1	1	1	----	----	----	----	----	1	1
3737	30931	Benzoic acid, *p*-chloro-, 2,2-dimethylpentyl ester	1	1	1	1	1	----	----	----	----	----	----
3738	30902	Benzoic acid, *p*-chloro-, undecyl ester	2	1	1	1	1	----	----	----	----	----	----
3739	30768	Benzoic acid, 2-(4′-chloro-4′-phenylbenzoyl)-	1	2	1	1	----	----	----	----	----	----	----
3740	30159	Benzoic acid, *p*-isopropyl-, 2-bromoethyl ester	1	----	1	1	1	----	----	----	----	1	1
3741	30158	Benzoic acid, *p*-isopropyl-, 2-chloroethyl ester	1	----	1	1	1	----	----	----	----	1	1
3742	30194	Benzoic acid, *p*-isopropyl-, 2,2,2-trichloroethyl ester	1	1	1	1	1	----	----	----	----	1	1
3743	30786	Benzophenone, 4-chloro-4′-methyl-	2	1	2	1	----	----	----	----	----	----	----
3744	18076	Benzyl alcohol, *o*-chloro-, acetate	----	----	----	----	1	----	----	----	----	----	----
3745	20608	Benzyl alcohol, *p*-chloro-*alpha*-propyl-, acetate	----	----	----	----	1	1	----	----	----	----	----
3746	4536	Benzyl alcohol, *p*-chloro-*alpha*-(trichloromethyl)-	1	----	----	1	----	----	----	----	----	----	----
3747	20558	Benzyl alcohol, 2,4-dichloro-, acetate	----	----	----	----	1	1	----	----	----	----	----
3748	7789	Benzyl alcohol, 3,4-dichloro-, acetate	1	----	----	1	----	----	----	----	----	----	----
3749	4634	Benzyl alcohol, *alpha*-(trichloromethyl)-	1	1	1	1	1	----	----	1	1	----	----
3750	2454	Benzyl alcohol, *alpha*-(trichloromethyl)-, acetate	2	1	1	1	1	----	----	----	----	----	----
3751	31485	Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid, 1,4,5,6,7,7-hexachloro-, dibutyl ester	1	1	1	1	----	----	----	----	----	----	----
3752	31484	Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid, 1,4,5,6,7,7-hexachloro-, dipropyl ester	1	1	1	1	----	----	----	----	----	----	----
3753	31286	*p,p′*-Biphenol, 3,3′,5,5′-tetrachloro-	----	----	----	----	1	----	----	----	----	----	----
3754	25262	Butane, 2-bromo-	1	1	1	1	----	----	----	1	----	1	----
3755	5672	2-Butanol, 1-(*p*-chlorophenyl)-3-methyl-	1	1	1	----	1	----	----	----	----	----	----
3756	30747	2-Butanol, 3,4-dibromo-2-methyl-	----	----	----	----	1	----	----	----	----	----	----
3757	18969	2-Butanone, 4-(*p*-chlorophenyl)-	1	2	1	1	----	----	----	----	----	----	----
3758	25133	1-Butyne, 3-chloro-3-methyl-	1	1	2	2	----	1	----	1	1	----	----
3759	30496	Butyric acid, 2-(allyloxy)-1-(chloromethyl) ethyl ester	1	----	2	1	1	----	----	----	----	1	1
3760	20520	Butyric acid, *p*-chlorobenzyl ester	1	----	1	----	----	1	----	----	----	----	----
3761	30419	Butyric acid, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	----	2	1	1	----	----	----	----	----	----
3762	30906	Butyric acid, 2,3-dibromo-1,1-dimethylpropyl ester	----	----	----	----	1	----	----	----	----	----	----
3763	21398	Butyric acid, 2,3-dibromopropyl ester	1	----	----	1	----	1	----	----	----	----	----
3764	21970	Butyric acid, 2-bromo-, 3-methoxybutyl ester	2	1	2	1	----	1	----	1	----	1	1
3765	21065	Butyric acid, 2-bromo-3-methyl-	1	----	----	1	----	----	----	----	----	1	1
3766	30221	Butyric acid, 2-ethyl-, 2-bromoethyl ester	1	1	1	1	1	----	----	----	----	----	----
3767	30220	Butyric acid, 2-ethyl-, 2-chloroethyl ester	1	1	1	1	1	----	----	----	----	1	1
3768	30357	Butyric acid, 2-ethyl-, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	----	1	1	1	----	----	----	----	1	1
3769	14921	Camphor, bromo-, *d*-	1	----	----	1	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS—Continued											
3770	20526	Caproic acid, *p*-chlorobenzyl ester	1	----	1	----	----	1	----	----	----	----	----
3771	4705	Carbon tetrachloride	1	----	----	----	----	----	----	----	----	----	----
3772	30196	Chalcone, 4′-chloro-3,4-methylenedioxy-	1	1	2	1	----	----	----	----	----	----	----
3773	82	Chloral hydrate	1	----	1	1	----	----	----	----	----	----	----
3774	24207	Chloroform	1	1	----	----	----	----	----	----	----	----	----
3775	32	x-Chlorophenyl ether	----	----	----	----	1	----	----	2	----	----	----
3776	30974	Chrysanthemumic acid, 2-bromoethyl ester	1	1	1	1	1	----	----	----	----	----	----
3777	30998	Chrysanthemumic acid, *alpha*-(1-bromoethyl)-6-bromopiperonyl ester	----	----	----	----	1	----	----	----	----	----	----
3778	30682	Chrysanthemumic acid, 2-bromo-4,5-methylenedioxyphenyl ester	----	----	----	----	1	----	----	----	----	----	----
3779	31304	Chrysanthemumic acid, 6-chloro-*alpha*-ethylpiperonyl ester	----	----	----	----	1	----	----	----	----	----	----
3780	31403	Chrysanthemumic acid, 2-(2-chloro-4,5-methylenedioxyphenoxy)ethyl ester	1	1	1	1	----	----	----	----	----	----	----
3781	30937	Chrysanthemumic acid, 2-chloro-4,5-methylenedioxyphenyl ester	----	----	----	----	1	----	----	----	----	----	----
3782	31305	Chrysanthemumic acid, 6-chloro-*alpha*-methylpiperonyl ester	----	----	----	----	1	----	----	----	----	----	----
3783	21557	Chrysanthemumic acid, 6-chloropiperonyl ester	2	----	2	1	1	1	----	2	1	1	1
3784	30753	Chrysanthemumic acid, 2,3-dibromo-1,1-dimethylpropyl ester	----	----	----	----	1	----	----	----	----	----	----
3785	31402	Chrysanthemumic acid, pentachlorophenyl ester	1	1	1	1	----	----	----	----	----	----	----
3786	31428	Chrysanthemumic acid, thiol-, 6-bromopiperonyl ester	2	1	1	2	----	----	----	----	----	----	----
3787	31506	Chrysanthemumic acid, thiol-, 6-chloropiperonyl ester	2	1	1	1	----	----	----	----	----	----	----
3788	31461	Chrysanthemumic acid, thiol-, 2,4-dichlorobenzyl ester	1	1	1	1	----	----	----	----	----	----	----
3789	20113	Cinnamic acid, *o*-chloro-, allyl ester	----	----	----	----	1	1	----	----	----	----	----
3790	18978	*m*-Cresol, 4,6-di-*tert*-butyl-2-chloro-	----	----	----	----	1	----	----	----	----	----	----
3791	16807	Cyclohexane, 1,2,3,4,5,6-hexachloro-, *gamma* isomer	----	----	----	----	----	1	----	2	----	----	----
3792	19660	Cyclohexanecarboxylic acid, 2-bromoethyl ester	----	----	2	----	----	1	----	----	----	----	----
3793	19659	Cyclohexanecarboxylic acid, 2-chloroethyl ester	----	----	2	----	----	1	----	----	----	----	----
3794	31321	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-	1	1	1	----	----	----	----	----	----	----	----
3795	31628	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, allyl ester	1	1	2	----	----	----	----	----	----	----	----
3796	31499	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, butyl ester	1	1	2	1	----	----	----	----	----	----	----
3797	31324	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, *sec*-butyl ester	1	1	2	1	----	----	----	----	----	----	----
3798	31500	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, cyclohexyl ester	1	1	1	2	----	----	----	----	----	----	----
3799	31322	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, ethyl ester	1	1	3	2	----	----	----	----	----	----	----
3800	31323	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, isopropyl ester	1	1	3	1	----	----	----	----	----	----	----
3801	31487	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, methyl ester	1	1	3	1	----	----	----	----	----	----	----
3802	31629	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, 2-methylallyl ester	1	1	2	----	----	----	----	----	----	----	----
3803	31489	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, propyl ester	1	1	3	2	----	----	----	----	----	----	----
3804	30990	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-	1	1	1	1	2	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS—Continued											
3805	31557	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, allyl ester	1	1	2	2							
3806	31591	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, benzyl ester	1	1	1	2							
3807	31800	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-bromoethyl ester	1	1	2	1							
3808	31803	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-(2-butoxyethoxy)-ethyl ester	1	1	1	1							
3809	31802	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-butoxyethyl ester	1	1	1	1							
3810	31558	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, butyl ester	1	1	2	1							
3811	30992	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, *sec*-butyl ester	1	1	3	1	1						
3812	31560	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, *tert*-butyl ester	2	1	3	1							
3813	31568	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-chloroethyl ester	1	1	2	1							
3814	31663	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, cyclohexyl ester	2	1	1	1							
3815	31565	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, cyclopentyl ester	1	1	2	1							
3816	31590	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 1,3-dimethylbutyl ester	1	1	2	2							
3817	31563	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 1,1-dimethylpropyl ester	1	1	3	2							
3818	30991	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, ethyl ester	1	1	3	2	1						
3819	31566	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-ethylbutyl ester	1	1	1	2							
3820	31806	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 1-ethylpentyl ester	2	1	1	1							
3821	31564	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 1-ethylpropyl ester	2	1	2	1							
3822	31805	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, hexyl ester	2	1	1	2							
3823	31559	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, isobutyl ester	1	1	2	1							
3824	31562	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, isopentyl ester	1	1	1	1							
3825	21706	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, isopropyl ester	1	1	3	1		1		2	2	1	1
3826	31804	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 3-methoxybutyl ester	1	1	1	1							
3827	31801	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-methoxyethyl ester	1	1	1	1							
3828	31592	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-methoxy-1-methyl-ethyl ester	1	1	2	1							
3829	31555	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, methyl ester	1	1	1	2							
3830	31589	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 1-methylbutyl ester	1	1	3	2							
3831	31567	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-methylpentyl ester	1	1	1	1							

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS—Continued											
3832	31561	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, pentyl ester	1	1	1	1							
3833	31569	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, phenethyl ester	1	1	1	1							
3834	31556	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, propyl ester	2	1	3	1							
3835	31662	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-propynyl ester	2	1	3	1							
3836	31325	Cyclohexanecarboxylic acid, 4,5-dibromo-2-methyl-	1	1	1								
3837	31330	Cyclohexanecarboxylic acid, 4,5-dibromo-2-methyl-, *sec*-butyl ester	1	1	1	1							
3838	31327	Cyclohexanecarboxylic acid, 4,5-didibromo-2-methyl-, ethyl ester	2	2	2	1							
3839	31329	Cyclohexanecarboxylic acid, 4,5-dibromo-2-methyl-, isopropyl ester	1	2	1	1							
3840	31326	Cyclohexanecarboxylic acid, 4,5-dibromo-2-methyl-, methyl ester	1	1	1	1							
3841	31328	Cyclohexanecarboxylic acid, 4,5-dibromo-2-methyl-, propyl ester	1	2	1	1							
3842	31331	Cyclohexanecarboxylic acid, 4,5-dichloro-2-methyl, *sec*-butyl ester	1	1	1								
3843	21687	Cyclohexanecarboxylic acid, 2-methyl-, 2-chloroethyl ester			2	1		1		1	1	1	1
3844	24615	Cyclohexene, 4-(1-chloro-1-methylethyl)-1-(2,2,2-trichloroethyl)-	1			1							
3845	21693	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-bromoethyl ester	1		3	1		1		2	1	1	1
3846	21348	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-chloroethyl ester			3			1					
3847	21672	4-Cyclohexene-1,2-dicarboxylic acid, *cis*-, bis(2-chloroethyl) ester	1	1	3			1				1	1
3848	30662	2-Cyclohexene-1-hexanoic acid, 2-bromoethyl ester	1	1	1	1	1						
3849	21730	2-Cyclohexene-1-hexanoic acid, 2-chloroethyl ester	1		1	2		1		1	2	1	1
3850	23448	Cyclopentane, bromo-	1	1	2	1							
3851	24692	Cyclopentane, 1,1-dichloro-2-vinyl-					1			1	1		
3852	21746	Cyclopentanecarboxylic acid, 1-hydroxy-, 2-chloroethyl ester	1		1			1					
3853	21756	Cyclopentanecarboxylic acid, 2-oxo-, 2-chloroethyl ester	1		1			1					
3854	30535	3-Cyclopentene-1-carboxylic acid, 3-butyl-1-chloro-4-methyl-2-oxo-, ethyl ester	1	1	1	1	1						
3855	31459	Cyclopropane, 1-(bromomethyl)-2,2-dimethyl-3-(2-methylpropenyl)-	1	1	1	2							
3856	30684	Cyclopropanecarboxylic acid, 3-(1,2-dibromo-2-methylpropyl)-2,2-dimethyl-6-bromopiperonyl ester	1				1						
3857	16225	Dieldrin	1				1						
3858	31426	*m*-Dioxane, 2-(2-bromo-4,5-methylenedioxyphenyl)-	2	2	3								
3859	31156	*m*-Dioxane, 5-butyl-2-(*o*-chlorophenyl)-5-ethyl-	1	1	1	1							
3860	31525	*m*-Dioxane, 5-butyl-2-(*p*-chlorophenyl)-5-ethyl-	2	1	1	1							
3861	31687	*m*-Dioxane, 2-(chloromethyl)-5-ethyl-5-methyl-	1	1	1	1							
3862	30250	*m*-Dioxane, 4-(chloromethyl)-4-methyl-	2	1	1	1	1					1	1
3863	31530	*m*-Dioxane, 2-(chloromethyl)-4,5,5-trimethyl-	1	1	1	1							

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS—Continued											
3864	31531	*m*-Dioxane, 2-(chloromethyl)-4,4,6-trimethyl-	1	1	1	1	----	----	----	----	----	----	----
3865	31280	*m*-Dioxane, 2-(*o*-chlorophenyl)-5,5-diethyl-	1	1	1	1	----	----	----	----	----	1	1
3866	31676	*m*-Dioxane, 2-(*p*-chlorophenyl)-5-ethyl-5-methyl-	1	1	1	2	----	----	----	----	----	----	----
3867	31520	*m*-Dioxane, 2-(*o*-chlorophenyl)-4,5,5-trimethyl-	1	1	1	1	----	----	----	----	----	----	----
3868	31521	*m*-Dioxane, 2-(*p*-chlorophenyl)-4,5,5-trimethyl-	1	1	1	1	----	----	----	----	----	----	----
3869	30385	*m*-Dioxane, 2-(2,4-dichlorophenyl)-	----	----	----	----	1	----	----	----	----	----	----
3870	30364	*m*-Dioxane, 2-(2,4-dichlorophenyl)-4,6-dimethyl-	1	----	1	1	1	----	----	----	----	----	----
3871	30373	*m*-Dioxane, 2-(2,4-dichlorophenyl)-5,5-dimethyl-	1	----	1	1	1	----	----	----	----	----	----
3872	30353	*m*-Dioxane, 2-(2,4-dichlorophenyl)-4-methyl-	2	----	2	1	1	----	----	----	----	----	----
3873	31363	1,3-Dioxolane, 2-(2-bromo-4,5-methylenedioxyphenyl)-4-methyl-	2	1	1	1	----	----	----	----	----	1	1
3874	31357	1,3-Dioxolane, 2-(2-chloro-4,5-methylenedioxyphenyl)-4-methyl-	2	2	1	1	----	----	----	----	----	1	1
3875	30333	1,3-Dioxolane, 2-(2,4-dichlorophenyl)-	1	1	1	1	1	----	----	----	----	----	----
3876	30352	1,3-Dioxolane, 2-(2,4-dichlorophenyl)-4,5-dimethyl-	----	----	----	1	1	----	----	----	----	----	----
3877	30334	1,3-Dioxolane, 2-(2,4-dichlorophenyl)-4-methyl-	1	1	1	1	1	----	----	----	----	----	----
3878	31820	1,3-Dioxolane-4-butanol, 2-(*p*-chlorophenyl)-	1	1	1	----	----	----	----	----	----	----	----
3879	24474	Ethane, chloro-	----	1	----	----	----	----	----	----	----	----	----
3880	31449	Ethanol, 2-(2-chloro-4,5-methylenedioxyphenoxy)-	2	1	1	1	----	----	----	----	----	----	----
3881	31399	Ethanol, 2-(2-chloro-4,5-methylenedioxyphenoxy)-, acetate	1	1	1	1	----	----	----	----	----	----	----
3882	20737	Ether, benzyl 4-chlorobutyl	----	----	----	1	1	1	2	1	1	----	----
3883	11666	Ether, benzyl 2-chloroethyl	----	----	----	----	1	----	----	----	----	----	----
3884	2499	Ether, 2-biphenylyl 2-chloroallyl	----	----	----	----	1	----	----	----	----	----	----
3885	3615	Ether, 4-biphenylyl 2-chloroallyl	----	----	----	----	1	----	----	----	----	----	----
3886	3402	Ether, 2-biphenylyl 3-chloro-2-methylpropyl	----	----	----	----	1	----	----	----	----	----	----
3887	17837	Ether, bis(2-bromoethyl)	----	----	----	----	1	----	----	----	----	----	----
3888	16504	Ether, bis(4-chlorobutyl)	----	----	----	----	1	----	----	----	----	----	----
3889	4504	Ether, bis(2-chloroethyl)	----	----	----	----	1	----	----	----	----	----	----
3890	9163	Ether, bis[2-(*p*-chlorophenoxy)ethyl]	----	----	----	----	1	----	----	----	----	----	----
3891	18183	Ether, bis(1-chloro-2-propyl)	----	----	----	----	1	----	----	----	----	----	----
3892	1963	Ether, bromophenyl	----	----	----	----	1	----	----	----	----	----	----
3893	7825	Ether, *p*-bromophenyl 3-bromopropyl	----	----	----	----	1	----	----	----	----	----	----
3894	5894	Ether, *p*-bromophenyl butyl	----	----	----	----	1	----	----	----	----	----	----
3895	2498	Ether, 4-*tert*-butyl-2-chlorophenyl 2-chloroethyl	----	----	----	----	1	----	----	----	----	----	----
3896	2509	Ether, 4-*tert*-butyl-2-chlorophenyl 3-chloro-2-methylpropyl	----	----	----	----	1	----	----	----	----	----	----
3897	2521	Ether, 2-chloroethyl 2-cyclohexylphenyl	----	----	----	----	1	----	----	----	----	----	----
3898	9108	Ether, 2-chloroethyl 2-(2,5-diisobutylphenoxy)ethyl	----	----	----	----	1	----	----	----	----	----	----
3899	3952	Ether, chloroethyl terpinyl	----	----	----	----	1	----	----	----	----	----	----
3900	17424	Ether, 3-chloropropyl phenyl	----	----	----	----	1	----	----	----	----	----	----
3901	25139	Furan, 3,4-dichlorotetrahydro-2,2,5,5-tetramethyl-	1	1	1	2	1	----	----	1	1	----	----
3902	31210	2-Furoic acid, 6-bromo-*alpha*-(1-bromoethyl)piperonyl ester	----	1	1	2	1	----	----	----	1	1	1
3903	25048	Glyoxal, (*p*-bromophenyl)-, hemihydrate	1	1	1	1	----	----	----	----	----	----	----
3904	30741	Heptanoic acid, 2-bromoethyl ester	2	1	1	1	1	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS—Continued											
3905	30740	Heptanoic acid, 2-chloroethyl ester	1	1	1	1	1	----	----	----	----	--------	--------
3906	30541	5-Hepten-2-one, 6-chloro-	1	1	1	1	1	----	----	----	----	--------	--------
3907	30530	Hexane, 2,3-dibromo-2,5-dimethyl-	2	1	2	2	1	----	----	----	----	--------	--------
3908	21397	Hexanoic acid, 2,3-dibromopropyl ester	1	----	----	1	----	1	----	----	----	1	1
3909	21373	Hexanoic acid, 2-bromo-, benzyl ester	2	----	1	1	----	1	----	----	----	1	1
3910	21391	Hexanoic acid, 2-bromo-, 2-bromoethyl ester	1	----	----	1	----	1	----	----	----	1	1
3911	21389	Hexanoic acid, 2-bromo-, 2-butoxyethyl ester	1	----	1	1	----	1	----	----	----	1	1
3912	21356	Hexanoic acid, 2-bromo-, butyl ester	1	----	1	1	----	1	----	----	----	1	1
3913	21376	Hexanoic acid, 2-bromo-, cyclohexyl ester	1	----	1	1	----	----	----	----	----	--------	--------
3914	21971	Hexanoic acid, 2-bromo-, 3-methoxybutyl ester	2	1	1	1	----	1	----	----	----	1	1
3915	21377	Hexanoic acid, 2-bromo-, phenethyl ester	1	----	1	1	----	1	----	----	----	1	1
3916	21392	Hexanoic acid, 2-bromo-, 3-phenylpropyl ester	1	----	----	1	----	1	----	----	----	1	1
3917	21355	Hexanoic acid, 2-bromo-, propyl ester	1	----	2	1	----	1	----	----	----	1	1
3918	21390	Hexanoic acid, 2-bromo-, tetrahydrofurfuryl ester	1	----	1	1	----	1	----	----	----	1	1
3919	24625	Hexanophenone, 5′-chloro-2′-hydroxy-3,5,5-trimethyl-	1	----	----	1	----	----	----	----	----	--------	--------
3920	30531	4-Hexenoic acid, 2-acetyl-5-chloro-, ethyl ester	1	1	1	1	----	----	----	----	----	--------	--------
3921	25151	3-Hexyne-2,5-diol, 2,5-bis(*p*-chlorophenyl)-	2	1	1	1	1	1	----	1	1	--------	--------
3922	15490	Hydroquinone, tetrachloro-	2	----	2	1	----	----	----	----	----	--------	--------
3923	30497	Isobutyric acid, 2-(allyloxy)-1-(chloromethyl)ethyl ester	1	----	2	1	1	----	----	----	----	1	1
3924	19790	Isobutyric acid, 2-bromoethyl ester	1	----	1	----	----	1	----	----	----	--------	--------
3925	21665	Isobutyric acid, 4-*tert*-butyl-2-chlorophenyl ester	----	----	1	1	----	1	----	----	----	1	1
3926	20521	Isobutyric acid, *p*-chlorobenzyl ester	1	----	1	----	----	1	2	2	1	--------	--------
3927	19788	Isobutyric acid, 2-chloroethyl ester	1	----	1	----	----	1	----	----	----	--------	--------
3928	30367	Isobutyric acid, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	----	1	1	1	----	----	----	----	--------	--------
3929	21546	Isobutyric acid, *o*-chlorophenyl ester	2	----	3	1	----	1	----	----	----	1	1
3930	30965	Isobutyric acid, 2,3-dibromo-1,1-dimethylpropyl ester	1	1	1	1	1	----	----	----	----	--------	--------
3931	30513	Isobutyric acid, 2,3,4,6-tetrachlorophenyl ester	1	----	1	1	1	----	----	----	----	1	1
3932	30595	Isovaleric acid, 2-bromoethyl ester	1	1	3	1	1	----	----	----	----	--------	--------
3933	31477	Isovaleric acid, *p*-bromophenyl ester	1	1	2	1	----	----	----	----	----	--------	--------
3934	30594	Isovaleric acid, 2-chloroethyl ester	1	1	2	1	1	----	----	----	----	--------	--------
3935	31425	Isovaleric acid, *p*-chlorophenyl ester	1	1	1	1	----	----	----	----	----	--------	--------
3936	3484	Lauric acid, 2-chloroethyl ester	----	----	----	----	1	----	----	----	----	--------	--------
3937	20052	Mandelic acid, *o*-chloro-, cyclohexyl ester	1	----	----	1	----	----	----	----	----	--------	--------
3938	20053	Mandelic acid, *o*-chloro-, isopropyl ester	1	----	----	----	----	----	----	----	----	--------	--------
3939	20038	Mandelic acid, 2,4-dichloro-, ethyl ester	1	----	----	1	----	----	----	----	----	--------	--------
3940	3493	Myristic acid, 2-chloroethyl ester	----	----	----	----	1	----	----	----	----	--------	--------
3941	21061	Naphthalene, 1,2,3,4-tetrachloro-1,2,3,4-tetrahydro-	1	----	----	1	----	----	----	----	----	--------	--------
3942	31039	1-Naphthoic acid, 6-bromo-*alpha*-(1-bromoethyl)piperonyl ester	----	----	----	----	1	----	----	----	----	--------	--------
3943	30700	1-Naphthoic acid, 2-bromo-4,5-methylenedioxyphenyl ester	----	----	----	----	1	----	----	----	----	--------	--------
3944	31075	1-Naphthoic acid, 2,2,2-trifluoroethyl ester	1	1	1	1	1	----	----	----	----	--------	--------
3945	31002	Octanoic acid, 2-bromoethyl ester	1	1	1	1	1	----	----	----	----	--------	--------
3946	31055	Octanoic acid, *p*-bromophenyl ester	1	1	1	2	1	----	----	----	----	--------	--------
3947	30985	Octanoic acid, 2-chloroethyl ester	1	1	1	1	1	----	----	----	----	--------	--------
3948	31052	Octanoic acid, *o*-chlorophenyl ester	2	1	1	2	1	----	----	----	----	--------	--------

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS—Continued											
3949	31054	Octanoic acid, *p*-chlorophenyl ester	1	1	1	2	1						
3950	30527	Octanoic acid, 7-chloro-3-oxo-, ethyl ester	1	1	1	1	1						
3951	3502	Palmitic acid, 2-chloroethyl ester					1						
3952	24334	Pentane, 1-chloro-	2	1			1						
3953	30532	4-Pentenoic acid, 2-acetyl-5-chloro-, ethyl ester	1	1	1	1	1						
3954	17445	Phenethyl alcohol, *p*-chloro-, acetate					1						
3955	20607	Phenethyl alcohol, *o*-chloro-*alpha,alpha*-dimethyl-					1		1	1	1		
3956	31448	Phenetole, *beta*-bromo-2-chloro-4,5-methylenedioxy-	1	1	1								
3957	30616	Phenol, 2-bromo-4,5-methylenedioxy-, acetate	2	1	2	1							
3958	30692	Phenol, 2-bromo-4,5-methylenedioxy-, benzoate					1						
3959	24559	Phenol, 2-*tert*-butyl-4-chloro-5-isopropyl-	1		1	1	1						
3960	23961	Phenol, *m*-chloro-	1			1							
3961	9060	Phenol, *o*-chloro-	2			1							
3962	3806	Phenol, *o*-chloro-, benzoate	1			1							
3963	19422	Phenol, *p* chloro-	1			1		1					
3964	78	Phenol, 2,4-dichloro-	2			1							
3965	25181	Phenol, 4,4′-isopropylidenebis[2,6-dichloro-	1	1	1	1	1			1		1	1
3966	22331	Phenol, 2,3,5,6-tetrachloro-	1	1	1	1				2	1		
3967	14896	Phenol, 2,4,6-tribromo-					1						
3968	17539	Phenol, 2,4,6-trichloro-, acetate			1								
3969	30724	Phosphoric acid, 2-bromo-4,5-methylenedioxyphenyl diethyl ester					1						
3970	21175	Piperonal, 6-bromo-	1			1		1					
3971	21540	Piperonal, 6-chloro-	1		1	1							
3972	31212	Piperonyl alcohol, 6-bromo-*alpha*-(1-bromoethyl)-, acetate	1	1	1	1						1	1
3973	31213	Piperonyl alcohol, 6-bromo-*alpha*-(1-bromoethyl)-, benzoate	1	1	1	1						1	1
3974	31811	Piperonyl alcohol, 6-bromo-*alpha*-morpholinoethyl-	1	1	1								
3975	21561	Piperonyl alcohol, 6-chloro-	1		1	1		1				1	1
3976	21873	Piperonyl alcohol, 6-chloro-, acetate						1					
3977	21177	Piperonyl bromide, 6-bromo-	1			1		1					
3978	20875	Piperonyl chloride, 6-propenyl-				1	1	1		1	2		
3979	30754	Propane, 2-chloro-2-methyl-					1						
3980	30938	Propane, 1,2-dibromo-1-(2-bromo-4,5-methylenedioxyphenyl)-	1	1	1	1							
3981	30936	Propane, 1,2-dibromo-3-(3,4-methylenedioxyphenyl)-	1	1	1	1							
3982	24623	1,2-Propanediol. 3-(*p*-chlorophenoxy)-	1			1							
3983	30717	1-Propanol, 3-(2-bromo-4,5-methylenedioxyphenyl)-2-methyl-, acetate					1						
3984	30903	1-Propanol, 2,3-dibromo-1,1-dimethyl-, acetate					1						
3985	30494	2-Propanol, 1-(allyloxy)-3-chloro-, acetate	1		2	1	1					1	1
3986	30491	2-Propanol, 1-(allyloxy)-3-chloro-, formate	1		1	1	1					1	1
3987	30393	2-Propanol, 1-(*o*-chlorophenoxy)-, acetate	1		1	1	1						
3988	30413	2-Propanol, 1-(*o*-chlorophenoxy)-, formate	1		1	1	1						
3989	25036	Propionaldehyde, 2,2,3-trichloro-	1	1	1	1							
3990	30339	Propionaldehyde, 2,2,3-trichloro-, diethyl acetal	1	2	1	1	1						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS—Continued											
3991	30495	Propionic acid, 2-(allyloxy)-1-(chloromethyl)ethyl ester	1	----	2	1	1	----	----	----	----	1	1
3992	20020	Propionic acid, 3-bromo-4-biphenylyl ester	1	----	----	1	----	1	----	----	----	--------	--------
3993	31026	Propionic acid, 6-bromo-*alpha*-(1-bromoethyl)piperonyl ester	----	----	----	----	1	----	----	----	----	--------	--------
3994	20018	Propionic acid, 2-bromo-4-*tert*-butylphenyl ester	1	----	----	1	----	1	----	----	----	--------	--------
3995	30663	Propionic acid, 2-bromo-4,5-methylenedioxyphenyl ester	----	----	----	----	1	----	----	----	----	--------	--------
3996	20525	Propionic acid, *p*-chlorobenzyl ester	1	----	2	----	----	1	----	----	----	--------	--------
3997	30394	Propionic acid, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	----	----	1	1	----	----	----	----	--------	--------
3998	21393	Propionic acid, 2,3-dibromopropyl ester	1	----	----	1	----	1	----	----	----	1	1
3999	21197	Propionic acid, 2-bromo-, benzyl ester	2	----	2	1	----	1	----	----	----	1	1
4000	21242	Propionic acid, 2-bromo-, 2-bromoethyl ester	----	----	1	1	----	1	----	----	----	--------	--------
4001	21239	Propionic acid, 2-bromo-, 2-(2-butoxyethoxy)ethyl ester	----	----	1	1	----	1	----	----	----	--------	--------
4002	21238	Propionic acid, 2-bromo-, 2-butoxyethyl ester	----	----	1	1	----	1	----	----	----	--------	--------
4003	21278	Propionic acid, 2-bromo-, 2-*sec*-butylcyclohexyl ester	1	----	----	1	----	1	----	----	----	--------	--------
4004	21287	Propionic acid, 2-bromo-, 4-*sec*-butylcyclohexyl ester	1	----	----	1	----	1	----	----	----	1	1
4005	21299	Propionic acid, 2-bromo-, 2-(*p*-*tert*-butylphenoxy)ethyl ester	1	----	1	1	----	1	----	----	----	--------	--------
4006	21241	Propionic acid, 2-bromo-, 2-chloroethyl ester	----	----	1	1	----	1	----	----	----	--------	--------
4007	21248	Propionic acid, 2-bromo-, *p*-chlorophenethyl ester	1	----	----	1	----	1	----	----	----	1	1
4008	21307	Propionic acid, 2-bromo-, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	----	1	1	----	1	----	----	----	1	1
4009	21332	Propionic acid, 2-bromo-, 2-(*p*-chlorophenoxy)-1-methylethyl ester	1	----	1	1	----	----	----	----	----	1	1
4010	21199	Propionic acid, 2-bromo-, cyclohexyl ester	1	----	1	1	----	1	----	1	1	1	1
4011	21236	Propionic acid, 2-bromo-, cyclopentyl ester	----	----	1	1	----	1	----	----	----	--------	--------
4012	21395	Propionic acid, 2-bromo-, 2,3-dibromopropyl ester	1	----	----	1	----	1	----	----	----	1	1
4013	21305	Propionic acid, 2-bromo-, diester with 1,5-pentanediol	1	----	1	1	----	1	----	----	----	1	1
4014	21277	Propionic acid, 2-bromo-, 2-ethylbutyl ester	1	----	----	2	----	1	----	----	----	--------	--------
4015	21306	Propionic acid, 2-bromo-, 4-ethyl-1-methyloctyl ester	1	----	1	1	----	1	----	----	----	--------	--------
4016	21237	Propionic acid, 2-bromo-, 1-ethylpentyl ester	----	----	1	1	----	1	----	----	----	--------	--------
4017	21207	Propionic acid, 2-bromo-, hexyl ester	1	----	2	1	----	1	----	----	----	--------	--------
4018	21927	Propionic acid, 2-bromo-, 3-methoxybutyl ester	1	----	1	1	----	1	----	----	----	--------	--------
4019	21208	Propionic acid, 2 bromo-, 2-methoxyethyl ester	1	----	----	1	----	1	----	----	----	--------	--------
4020	21294	Propionic acid, 2-bromo-, 1-methoxy-2-propyl ester	1	----	1	1	----	1	----	----	----	--------	--------
4021	21260	Propionic acid, 2-bromo-, 4-methylcyclohexyl ester	2	----	----	1	----	1	----	----	----	--------	--------
4022	21240	Propionic acid, 2-bromo-, 2-phenoxyethyl ester	----	----	1	1	----	1	----	----	----	1	1
4023	21206	Propionic acid, 2-bromo-, tetrahydrofurfuryl ester	1	----	1	1	----	1	----	----	----	--------	--------

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS—Continued											
4024	30431	Propionic acid, 3-bromo-, ethyl ester	1	----	1	1	1	----	----	----	----	----	----
4025	21929	Propionic acid, 2-chloro-, 3-methoxybutyl ester	1	1	2	1	----	1	----	----	----	----	----
4026	21192	Propionic acid, 2-chloro-, tetrahydropyran-2-ylmethyl ester	1	----	1	1	----	1	----	----	----	----	----
4027	21930	Propionic acid, 3-chloro-, 3-methoxybutyl ester	1	1	2	1	----	1	----	----	----	----	----
4028	18791	Propionic acid, 3-chloro-, 2-methylpentyl ester	----	----	1	----	----	----	----	----	----	----	----
4029	21193	Propionic acid, 3-chloro-, tetrahydropyran-2-ylmethyl ester	1	----	1	1	----	1	----	----	----	----	----
4030	19455	Propionic acid, 3-ethoxy-, 2,2,2-trichloroethyl ester	----	----	1	----	----	1	----	----	----	----	----
4031	21060	Propionic acid, 3-iodo-	1	----	----	1	----	----	----	----	----	----	----
4032	21795	Sorbic acid, 2-bromoethyl ester	1	----	1	1	----	1	----	----	----	1	1
4033	21777	Sorbic acid, 2-chloroethyl ester	1	----	1	1	----	1	----	----	----	1	1
4034	24375	Styrene, *beta*-bromo-	1	----	----	----	----	----	----	----	----	----	----
4035	2899	Sulfide, bis(*p*-chlorophenyl)	----	----	----	1	----	----	----	----	----	----	----
4036	14299	Sulfone, benzyl *p*-chlorophenyl	1	1	1	1	----	----	----	----	----	----	----
4037	14297	Sulfone, bis(*p*-chlorobenzyl)	1	1	1	1	----	----	----	----	----	----	----
4038	1386	Sulfone, bis(*p*-chlorophenyl)	1	1	1	1	----	----	----	----	----	----	----
4039	14296	Sulfone, *p*-chlorobenzyl *p*-chlorophenyl	1	1	1	1	----	----	----	----	----	----	----
4040	14298	Sulfone, *p*-chlorobenzyl phenyl	2	1	1	1	----	----	----	----	----	----	----
4041	8607	Sulfone, chloromethyl *p*-chlorophenyl	1	1	1	1	----	----	----	----	----	----	----
4042	9778	Sulfone, chloromethyl phenyl	1	1	1	1	----	----	----	----	----	----	----
4043	17941	Sulfone, *p*-chlorophenyl phenyl	----	----	----	1	----	----	----	----	----	----	----
4044	31371	Toluene, 2-bromo-*alpha*-2-(2-butoxyethoxy)ethoxy-4,5-methylenedioxy-	1	1	1	1	----	----	----	----	----	1	1
4045	31352	Toluene, 2-bromo-*alpha*-[2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethoxy]-4,5-methylenedioxy-	----	----	----	----	----	----	----	----	----	1	1
4046	31367	Toluene, 2-chloro-*alpha*-[2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethoxy]-4,5-methylenedioxy-	2	2	1	1	----	----	----	----	----	----	----
4047	21162	Toluene, *alpha*-chloro-*p*-ethoxy-	----	----	----	----	1	----	----	----	----	----	----
4048	31450	*alpha*-Toluenethiol, 2-bromo-4,5-methylenedioxy-	1	1	1	1	----	----	----	----	----	----	----
4049	31458	*alpha*-Toluenethiol, 2,4-dichloro-	1	1	1	1	----	----	----	----	----	----	----
4050	30107	*m*-Toluic acid, 2-bromoethyl ester	1	----	1	1	1	----	----	1	1	1	1
4051	30103	*m*-Toluic acid, 2-chloroethyl ester	1	----	1	1	1	----	----	----	----	1	1
4052	21985	*o*-Toluic acid, 2-bromoethyl ester	1	1	1	1	----	1	----	----	----	----	----
4053	21771	*o*-Toluic acid, 2-chloroethyl ester	1	----	1	1	----	1	----	----	----	----	----
4054	31188	*o*-Toluic acid, *o*-chlorophenyl ester	1	2	1	1	----	----	----	----	----	1	1
4055	31193	*o*-Toluic acid, 2,4,5-trichlorophenyl ester	1	1	1	1	----	----	----	----	----	1	1
4056	31121	*p*-Toluic acid, 2-bromoethyl ester	1	1	1	1	----	----	----	----	----	----	----
4057	31119	*p*-Toluic acid, 2-chloroethyl ester	1	1	1	1	----	----	----	----	----	----	----
4058	23975	Undecane, 1-iodo-	1	----	1	1	----	----	----	----	----	----	----
4059	30514	Valeric acid, 2-bromoethyl ester	1	----	2	1	1	----	----	----	----	1	1
4060	30515	Valeric acid, 2-chloroethyl ester	1	----	1	1	1	----	----	----	----	1	1
4061	30587	Valeric acid, 2-(*o*-chlorophenoxy)-1-methylethyl ester	1	1	2	1	1	----	----	----	----	----	----
4062	30027	Valeric acid, 2-methyl-, 2-bromoethyl ester	1	1	1	1	----	----	----	----	----	1	1
4063	30026	Valeric acid, 2-methyl-, 2-chloroethyl ester	1	1	1	1	----	----	----	----	1	----	----
4064	31288	Veratraldehyde, 6-bromo-	1	1	1	1	----	----	----	----	----	1	1
4065	21224	Veratrole, 4-bromo-	3	----	2	1	----	1	----	----	----	----	----
4066	31490	Xanthic acid, ethyl-, 6-chloropiperonyl ester	2	1	1	1	----	----	----	----	----	----	----
4067	19378	*p*-Xylene, *alpha,alpha'*-dichloro-	----	----	----	1	----	1	----	----	----	----	----
4068	24558	2,6-Xylenol, 4-chloro-	1	----	1	1	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		GROUP 10.—SULFUR-CONTAINING COMPOUNDS											
4069	24151	Acetic acid, mercapto-	1	1	1	1							
4070	25085	Acetic acid, thiodi-	1	1	1	1							
4071	16634	Benzene, 1,2-methylenedioxy-4-[2-(octylsulfinyl)propyl]-	3	2	2	1							
4072	4678	Benzenesulfonic acid, 2-naphthyl ester					1	1					
4073	3811	Benzenesulfonic acid, phenyl ester	3			1							
4074	25261	Benzenesulfonic acid, 4-hydroxy-3-methyl-	1	1	1	1				1		1	
4075	15418	Benzenethiol	1	1	1	1				2	2		
4076	23963	Benzoic acid, *o*-mercapto-	1			1							
4077	31295	1,3-Butanedione, 4,4,4-trifluoro-1-(2-thienyl)-	1	1	2	1						1	1
4078	3387	Butyl sulfone	1			1							
4079	31453	Butyric acid, 2-(ethylthio)ethyl ester	1	1	1	1							
4080	23953	10-Camphorsulfonic acid, *d*-	1			1							
4081	31391	*m*-Dioxane, 2,4-dimethyl-2-(2-thienyl)-	2	1	1	1							
4082	24892	Disulfide, bis(2-methylallyl)	1		3	1							
4083	31451	Ethanol, 2-ethylthio-, acetate	1	1	1	1							
4084	7251	Lauric acid, sulfonyldiethylene diester					1						
4085	31452	Propionic acid, 2-(ethylthio)ethyl ester	1	1	1	1							
4086	18246	Salicylic acid, 5-sulfo-	1	2									
4087	24893	Sulfide, bis(2-methylallyl)	1		3	1							
4088	31298	Thiocyanic acid, 2-(*o*-isopropylphenoxy)-ethyl ester	2	2	2	1							
4089	21059	Thiophene, 2,5-dihydro-2,4-dimethyl-, 1,1-dioxide	1			1							
4090	30989	Thiophene, tetrahydro-	1	1	1	1	1						
4091	25043	2-Thiopheneglyoxylaldehyde, hydrate	1	1	2	1							
4092	30381	*o*-Toluenesulfonic acid, butyl ester	1		3	1	1						
4093	25191	Toluenethiol	2	1	1	1				2	2		
4094	31463	Xanthic acid, ethyl-, allyl ester	1	1	1	2							
4095	31466	Xanthic acid, ethyl-, cyclopentyl ester	1	1	1	1							
4096	31464	Xanthic acid, ethyl-, isopropyl ester	1	1	1	1							
4097	31462	Xanthic acid, ethyl-, methyl ester	2	1	1	1							
4098	31467	Xanthic acid, ethyl-, phenethyl ester	2	2	1	1							
4099	31465	Xanthic acid, ethyl-, 2-propynyl ester	2	1	1	2							
4100	25192	Xylenethiol	1	1	1	1				2	2		
		GROUP 11.—PHOSPHORUS-CONTAINING COMPOUNDS											
4101	30941	Phosphoric acid, allyl diethyl ester					1						
4102	30962	Phosphoric acid, diethyl 3,4-dimethylbenzyl ester					1						
4103	30942	Phosphoric acid, diethyl 2-methylallyl ester					1						
4104	30939	Phosphoric acid, diethyl *m*-methylbenzyl ester					1						
4105	30575	Phosphoric acid, diethyl 3,4-methylenedioxyphenyl ester	2	1	2	1	1						
4106	30940	Phosphoric acid, diethyl 2-propynyl ester					1						
4107	653	Phosphoric acid, triethyl ester	1			1	1						
4108	4490	Phosphoric acid, tri-*p*-tolyl ester	1		1	1							
		GROUP 12.—MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION											
4109	30943-X	*Abies religiosa*, ether extractive (of ethanol extractive)				2							
4110	30945-X	*Abies religiosa*, marc from chloroform extractive of 30943-X				1							
4111	21592-X	*Achillea millefolium* flowers, ethyl ether extractive	2										
4112	21378-X	*Aframomum melegueta*, ethyl ether extractive	2		2								

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4113	24884-X	Alamine 21D, a distilled primary coco amine	1	1	1	1	----	----	----	----	----	1	1
4114	24885-X	Alamine 26D, a distilled primary tallow amine	2	2	1	1	----	----	----	----	----	1	1
4115	24886-X	Alamine H26D, a distilled primary hydrogenated tallow amine	----	2	1	1	----	----	----	----	----	1	1
4116	24164-X	Aldo 28	2	----	----	----	----	----	----	----	----	----	----
4117	25110-X	Aliquat 211 dicoco dimethyl ammonium chloride, 75 percent	1	1	2	1	1	----	----	----	----	----	----
4118	25111-X	Aliquat H226 dihydrogenated tallow dimethyl ammonium chloride, 75 percent	2	1	1	1	1	----	----	----	----	----	----
4119	25109-X	Aliquat 26 monotallow trimethyl ammonium chloride, 50 percent	1	1	1	1	1	----	----	----	----	----	----
4120	21365-X	*Alkanna tinctoria* roots, ethanol extractive	2	----	1	----	----	----	----	----	----	----	----
4121	30340-X	*Alnus serrulata* bark, ethanol extractive	1	1	1	1	----	----	----	----	----	----	----
4122	21939-X	*Alnus serrulata* bark, ethyl ether extractive	2	1	2	1	----	----	----	----	----	----	----
4123	21857-X	*Alpinia officinarum* roots, ethyl ether extractive	2	----	3	1	1	----	----	----	----	----	----
4124	24195-X	Ambergris, synthetic	1	----	1	----	----	----	----	----	----	----	----
4125	24404-X	Amsco Solvent H-CC	----	----	1	1	----	----	----	----	----	----	----
4126	16242	Amsco Solvent H-La	----	----	2	1	----	----	----	----	----	----	----
4127	24405-X	Amsco Solvent HT	----	----	1	1	----	----	----	----	----	----	----
4128	21940-X	*Anaphalia margaritacea*, ethanol extractive	2	2	3	2	----	----	----	----	----	----	----
4129	30478-X	*Anaphalia margaritacea*, ethanol extractive, chloroform-insoluble fraction	----	----	----	2	----	----	----	----	----	----	----
4130	21863-X	*Anaphalia margaritacea*, ethyl ether extractive	1	----	2	1	----	----	----	----	----	----	----
4131	30479-X	*Anaphalia margaritacea*, chloroform extractive	----	----	----	2	----	----	----	----	----	----	----
4132	21711-X	*Andropogon sorghum* seeds, ethyl ether extractive	2	----	2	----	----	----	----	----	----	----	----
4133	21319-X	*Anethum graveolens* seeds, ethyl ether extractive	2	----	1	----	----	----	----	----	----	----	----
4134	30472-X	*Angelica atropurpurea* roots, ethanol extractive	2	2	2	1	----	----	----	----	----	----	----
4135	30404-X	*Angelica atropurpurea* roots, ethyl ether extractive	1	2	3	1	1	----	----	----	----	----	----
4136	30471-X	*Angelica atropurpurea* seeds, ethanol extractive	2	2	2	1	----	----	----	----	----	----	----
4137	30341-X	*Angelica atropurpurea* seeds, ethyl ether-soluble fraction	1	1	1	2	----	----	----	----	----	----	----
4138	30304-X	*Angelica atropurpurea* seeds, pentane extractive	1	3	1	2	----	----	----	----	----	----	----
4139	30635-X	*Angelica breweri* seeds (Greenville), steam distillate	2	1	3	----	----	----	----	----	----	----	----
4140	30637-X	*Angelica breweri* seeds (Hatchet Mt.), ether extractive	2	1	3	1	----	----	----	----	----	----	----
4141	30636-X	*Angelica breweri* seeds (Hatchet Mt.), pentane extractive	2	1	3	1	----	----	----	----	----	----	----
4142	30634-X	*Angelica breweri* seeds (Virgilia), ether extractive	2	1	2	1	----	----	----	----	----	----	----
4143	30633-X	*Angelica breweri* seeds (Virgilia), pentane extractive	2	2	2	2	----	----	----	----	----	----	----
4144	31597-X	*Angelica breweri* seeds, pentane extractive, basic fraction	----	----	----	1	----	----	----	----	----	----	----
4145	31599-X	*Angelica breweri* seeds, pentane extractive, free acid fraction	----	----	----	2	----	----	----	----	----	----	----
4146	31598-X	*Angelica breweri* seeds, pentane extractive, neutral fraction	----	----	----	2	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4147	31600-X	*Angelica breweri* seeds, pentane extractive, phenolic fraction				2							
4148	30629-X	*Angelica hendersonii* seeds (Jenner), ether extractive	2	1	2	1	1						
4149	30628-X	*Angelica hendersonii* seeds (Jenner), pentane extractive	1	1	2	2							
4150	30640-X	*Angelica hendersonii* seeds (Jenner), steam distillate	2	1	3	1							
4151	30626-X	*Angelica hendersonii* seeds (San Gregorio), ether extractive	2	2	2	1							
4152	30625-X	*Angelica hendersonii* seeds (San Gregorio), pentane extractive	2	2	2	1							
4153	30624-X	*Angelica hendersonii* seeds (San Gregorio). pentane extractive, solid form	1	2	1	1							
4154	31469-X	*Angelica hendersonii* seeds, free acid fraction				1							
4155	31468-X	*Angelica hendersonii* seeds, neutral fraction				2							
4156	31470-X	*Angelica hendersonii* seeds, phenolic fraction				1							
4157	30547-X	*Angelica officinalis* roots (Belgian), pentane extractive	1	1	3	1							
4158	30548-X	*Angelica officinalis* roots (Belgian), pentane extractive (acetone-soluble fraction)	2	1	1	1							
4159	30546-X	*Angelica officinalis* roots (Belgian), steam distillate	1	1	3								
4160	30556-X	*Angelica officinalis* root oil (Longeval)				1							
4161	30552-X	*Angelica officinalis* seeds (Belgian), carbon tetrachloride-recrystallized solid	2	1	1	1							
4162	30551-X	*Angelica officinalis* seeds (Belgian), hexane-recrystallized solid	2	1	1	2							
4163	30550-X	*Angelica officinalis* seeds (Belgian), pentane extractive	1	1	2	1							
4164	30549-X	*Angelica officinalis* seeds (Belgian), steam distillate	1	1	2								
4165	30554-X	*Angelica officinalis* seeds (French), pentane extractive	1	1	3	1							
4166	30553-X	*Angelica officinalis* seeds (French), steam distillate	3	1	3	1							
4167	30557-X	*Angelica officinalis* seed oil (Camilli)				1							
4168	30555-X	*Angelica officinalis* seed oil (Longeval)				1							
4169	30558-X	*Angelica officinalis* seed oil (Longeval 2287)				1							
4170	30469-X	*Angelica* sp. (I) roots, ethanol extractive	2	2	2								
4171	30470-X	*Angelica* sp. (II) roots, ethanol extractive	2	2	2								
4172	30305-X	*Angelica* sp. (I) roots, pentane extractive	1	1	3								
4173	30408-X	*Angelica* sp. (II) roots, pentane extractive	1		1								
4174	30467-X	*Angelica* sp. (I) seeds, ethanol extractive	2	2	2								
4175	30468-X	*Angelica* sp. (II) seeds, ethanol extractive	2	2	2								
4176	30409-X	*Angelica* sp. (I) seeds, pentane extractive	1		2								
4177	30410-X	*Angelica* sp. (II) seeds, pentane extractive	1		3								
4178	30474-X	*Angelica tomentosa* roots, ethanol extractive	2	2	2	1							
4179	30405-X	*Angelica tomentosa* roots, ethyl ether extractive	1		1	1							
4180	30473-X	*Angelica tomentosa* seeds. ethanol extractive	2	1	2	1							

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4181	30406-X	*Angelica tomentosa* seeds, pentan e extrctive (slightly-soluble solid)	1	----	2	1	----	----	----	----	----	----	----
4182	30407-X	*Angelica tomentosa* seeds, pentane extractive (soluble)	1	----	2	1	1	----	----	----	----	----	----
4183	30639-X	*Angelica tomentosa* seeds (Philo), ether extractive	2	2	2	----	----	----	----	----	----	----	----
4184	30638-X	*Angelica tomentosa* seeds (Philo), pentane extractive	1	2	2	----	----	----	----	----	----	----	----
4185	30476-X	*Annona reticulata* leaves, ethanol extractive	2	2	2	2	----	----	----	----	----	----	----
4186	30520-X	*Annona reticulata* leaves, basic fraction	----	----	----	1	----	----	----	----	----	----	----
4187	30306-X	*Annona reticulata* leaves, ethyl ether extractive	1	1	1	2	----	----	----	----	----	----	----
4188	30521-X	*Annona reticulata* leaves, free acid fraction	----	----	----	1	----	----	----	----	----	----	----
4189	30519-X	*Annona reticulata* leaves, neutral fraction	----	----	----	2	1	----	----	----	----	----	----
4190	30522-X	*Annona reticulata* leaves, phenolic fraction	----	----	----	1	----	----	----	----	----	----	----
4191	21363-X	*Apium graveolens* seeds, ethanol extractive	2	----	2	----	----	----	----	----	----	----	----
4192	21318-X	*Apium graveolens* seeds, ethyl ether extractive	2	----	1	----	----	----	----	----	----	----	----
4193	24150-X	Apricot aldehyde	1	----	----	----	----	----	----	----	----	----	----
4194	21639-X	*Areca catechu* nuts, ethanol extractive	1	----	2	1	----	----	----	----	----	----	----
4195	21638-X	*Areca catechu* nuts, ethyl ether extractive	1	----	1	1	1	----	----	----	----	----	----
4196	24500-X	Aromatic Plasticizer 25	----	----	----	----	1	----	----	----	----	----	----
4197	21941-X	*Asparagus officinalis* roots, ethanol extractive	3	2	2	2	----	----	----	----	----	----	----
4198	21712-X	*Asparagus officinalis* roots, ethyl ether extractive	2	----	2	----	----	----	----	----	----	----	----
4199	24182-X	Aurantiol	2	----	1	----	----	----	----	----	----	----	----
4200	24196-X	Aurantium	1	----	1	----	----	----	----	----	----	----	----
4201	21641-X	*Berberis vulgaris* root bark, acetone-soluble fraction	2	----	2	----	----	----	----	----	----	----	----
4202	21360-X	*Berberis vulgaris* root bark, ethanol extractive	2	----	2	----	----	----	----	----	----	----	----
4203	21593-X	*Berberis vulgaris* root bark, ethyl ether extractive	3	----	----	----	----	----	----	----	----	----	----
4204	21832-X	*Berberis vulgaris* root bark, acidic fraction of 21593-X	2	----	3	----	----	----	----	----	----	----	----
4205	21831-X	*Berberis vulgaris* root bark, basic fraction of 21593-X	2	----	2	----	----	----	----	----	----	----	----
4206	21830-X	*Berberis vulgaris* root bark, neutral fraction of 21593-X	2	----	2	----	----	----	----	----	----	----	----
4207	21829-X	*Berberis vulgaris* root bark, solid fraction of 21593-X	2	----	2	----	----	----	----	----	----	----	----
4208	21640-X	*Berberis vulgaris* root bark, water-soluble fraction	1	----	2	----	----	----	----	----	----	----	----
4209	21642-X	*Brassica alba* seeds, ethanol extractive	----	----	2	----	----	----	----	----	----	----	----
4210	21594-X	*Brassica alba* seeds, ethyl ether extractive	1	----	----	1	1	----	----	----	----	1	1
4211	21643-X	*Brassica nigra* seeds, ethanol extractive	----	----	2	1	----	----	----	----	----	----	----
4212	21595-X	*Brassica nigra* seeds, ethyl ether extractive	1	----	----	1	1	----	----	----	----	----	----
4213	30620-X	*Buddleia curviflora* leaves, ethyl ether extractive	2	3	2	2	----	----	----	----	----	----	----
4214	31029-X	*Buddleia curviflora* leaves, basic fraction of 30620-X	1	2	1	----	----	----	----	----	----	----	----
4215	31031-X	*Buddleia curviflora* leaves, free acid fraction of 30620-X	2	3	2	----	----	----	----	----	----	----	----
4216	31030-X	*Buddleia curviflora* leaves, neutral fraction of 30620-X	2	2	2	----	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4217	31032-X	*Buddleia curviflora* leaves, phenolic fraction of 30620-X	2	2	2								
4218	15436-Xd	Calamus distillate	2			1							
4219	21435-X	*Calendula officinalis* flowers, ethanol extractive	2										
4220	21434-X	*Calendula officinalis* flowers, ethyl ether extractive	1										
4221	25118-X	*Callitropis araucarioedes*, wood oil	1	1	1	1	1						
4222	21644-X	*Carya laciniosa* bark, ethanol extractive			2	1							
4223	21596-X	*Carya laciniosa* bark, ethyl ether extractive	2										
4224	30342-X	*Castalia odorata*, ethanol extractive				1							
4225	21942-X	*Castalia odorata*, ethyl ether extractive	2	2	2								
4226	21943-X	*Castela texana*, ethanol extractive	2	1	2								
4227	21855-X	*Castela texana*, ethyl ether extractive	2		1	1							
4228	24512-X	Castoreum	2		2								
4229	30483-X	*Ceanothus americanus*, chloroform extractive				1							
4230	30482-X	*Ceanothus americanus*, chloroform-insoluble, ethanol extractive				1							
4231	21944-X	*Ceanothus americanus* root bark, ethanol extractive	2	2	2	2							
4232	21862-X	*Ceanothus americanus* root bark, ethyl ether extractive	1		1	1							
4233	21714-X	*Ceratonia siliqua*, ethanol extractive	1		1					1	1		
4234	30477-X	*Chamaecyparis lawsoniana* wood, ethanol extractive	3	1	2	1							
4235	30307-X	*Chamaecyparis lawsoniana* wood, ethyl ether extractive	1	1	1	1	1						
4236	21947-X	*Chimaphila umbellata*, ethanol extractive	2	2	2	1							
4237	21946-X	*Chimaphila umbellata*, ethyl ether extractive	3	2	3	1							
4238	21945-X	*Chimaphila umbellata*, solid form of 21946-X	2	1	2	1							
4239	31432-X	Chinaberry leaves and stems, ethanol extractive of molded leaves and stems	2	2	2	2							
4240	31430-X	Chinaberry new berries, ethanol extractive of molded new berries previously extracted with water	2	3	2	1							
4241	31431-X	Chinaberry old bark, ethanol extractive of molded old bark previously extracted with water	1	1	2	2							
4242	31429-X	Chinaberry old berries, ethanol extractive of molded old berries previously extracted with water	2	2	3	1							
4243	21438-X	*Chionanthus virginicus* root bark, ethanol extractive	1										
4244	21058-X	Chlorophyll, oil-soluble	3	1		1							
4245	21949-X	*Chondrodendron tomentosa* roots, ethanol extractive	2	2	2	1							
4246	21948-X	*Chondrodendron tomentosa* roots, ethyl ether extractive	3	3	2	1							
4247	21950-X	*Cirsium lanceolatum* roots, ethanol extractive	2	2	2	1							
4248	21854-X	*Cirsium lanceolatum* roots, ethyl ether extractive	3		2								
4249	20023-X	Citral-malonic acid condensate	3		1								
4250	24524-X	*l*-Citronella oil terpenes	1		1	1							
4251	24525-X	Citronella oil terpenes, Extra	1		1	1							
4252	24590-X	Citronellol terpenes	1		1	1							

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4253	21317-X	*Citrullus vulgaris* seeds, ethyl ether extractive	2	----	1	----	----	----	----	----	----	----	----
4254	24513-X	Civet	2	----	2	----	----	----	----	----	----	----	----
4255	24591-X	Clove terpenes, redistilled	3	----	2	1	----	----	----	----	----	----	----
4256	30308-X	Coffee cherry fruits, ethyl ether extractive	1	2	2	1	1	----	----	----	----	----	----
4257	30309-X	Coffee cherry seeds, ethyl ether extractive	1	1	1	1	1	----	----	----	----	----	----
4258	31240-X	*Conioselinum chinense* leaves, ethyl ether extractive	3	1	3	1	----	----	----	----	----	----	----
4259	31241-X	*Conioselinum chinense* leaves, ethanol extractive of marc of 31240-X	3	1	3	2	----	----	----	----	----	----	----
4260	31242-X	*Conioselinum chinense* stalks, ethyl ether extractive	2	1	2	2	----	----	----	----	----	----	----
4261	31243-X	*Conioselinum chinense* stalks, ethanol extractive	2	1	2	1	----	----	----	----	----	----	----
4262	21597-X	*Cornus rugosa* bark, ethyl ether extractive	2	----	----	----	----	----	----	----	----	----	----
4263	30344-X	*Corynanthe yohimbi* bark, ethanol extractive	----	----	----	1	----	----	----	----	----	----	----
4264	21469-X	Cotton, ethanol extractive of blooms	----	----	----	----	----	----	----	1	1	----	----
4265	21473-X	Cotton, ethanol extractive of leaves	----	----	----	----	----	----	----	1	----	----	----
4266	21471-X	Cotton, ethanol extractive of squares	----	----	----	----	----	----	----	1	----	----	----
4267	21468-X	Cotton, ethyl ether extractive of blooms	----	----	----	----	----	----	----	1	1	----	----
4268	21472-X	Cotton, ethyl ether extractive of leaves	----	----	----	----	----	----	----	1	----	----	----
4269	21470-X	Cotton, ethyl ether extractive of squares	----	----	----	----	----	----	----	1	1	----	----
4270	24406-X	Crowley Tar 800	----	----	1	1	----	----	----	----	----	----	----
4271	21146-X	Cucumber extract 1 from juice (acetone solution)	1	----	----	1	----	----	----	----	----	----	----
4272	21147-X	Cucumber extract 2, from dried pulp (acetone solution)	2	----	----	1	----	----	----	----	----	----	----
4273	21148-X	Cucumber extract 3, from dried pulp (ether solution)	----	----	1	1	----	----	----	----	----	----	----
4274	21316-X	*Cucurbita pepo* seeds, ethyl ether extractive	2	----	1	----	----	----	----	----	----	----	----
4275	24922-X	Cyste resin	1	----	1	----	----	----	----	----	----	----	----
4276	24923-X	Cyste resin "S"	1	----	1	----	----	----	----	----	----	----	----
4277	31047-X	*Dendrobium superbum* flowers, ethanol extractive (of ether-extracted marc)	1	2	2	2	----	----	----	----	----	----	----
4278	30993-X	*Dendrobium superbum* flowers, ethyl ether extractive (acidic fraction)	2	3	2	----	----	----	----	----	----	----	----
4279	30994-X	*Dendrobium superbum* flowers, ethyl ether extractive (basic fraction)	1	1	1	----	----	----	----	----	----	----	----
4280	31088-X	*Dendrobium superbum* flowers, ethyl ether extractive (free acid fraction)	2	3	2	----	----	----	----	----	----	----	----
4281	31086-X	*Dendrobium superbum* flowers, solid form of 31088-X	2	1	2	----	----	----	----	----	----	----	----
4282	30995-X	*Dendrobium superbum* flowers, ethyl ether extractive (neutral fraction)	1	1	2	----	----	----	----	----	----	----	----
4283	31087-X	*Dendrobium superbum* flowers, ethyl ether extractive (phenolic fraction)	2	2	2	----	----	----	----	----	----	----	----
4284	31216-X	*Dendrobium superbum* flowers, pentane-insoluble fraction	2	3	2	----	----	----	----	----	----	----	----
4285	31215-X	*Dendrobium superbum* flowers, pentane-soluble	1	3	2	----	----	----	----	----	----	----	----
4286	31048-X	*Dendrobium superbum* stems, ethanol extractive, (of ether-extracted marc)	1	2	2	2	----	----	----	----	----	----	----
4287	30996-X	*Dendrobium superbum* stems, ethyl ether extractive	1	3	2	----	----	----	----	----	----	----	----
4288	31090-X	*Dendrobium superbum* stems, free acid fraction of 30996-X	2	1	3	----	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4289	31343-X	*Dendrobium superbum* stems, free acid fraction, pentane-insoluble	2	2	3								
4290	31342-X	*Dendrobium superbum* stems, free acid fraction, pentane-soluble	3	3	2								
4291	31508-X	*Dendrobium superbum* stems, free acid fraction, pentane-soluble, petroleum ether-insoluble (resin)	2	2	1								
4292	31507-X	*Dendrobium superbum* stems, free acid fraction, pentane-soluble, petroleum ether-insoluble (solid)	1	1	1								
4293	31509-X	*Dendrobium superbum* stems, free acid fraction, petroleum ether-soluble (colorless oil)	2	3	2								
4294	31510-X	*Dendrobium superbum* stems, free acid fraction, pentane-soluble, petroleum ether-soluble (recrystallized solid)	2	3	2								
4295	31089-X	*Dendrobium superbum* stems, neutral fraction of 30996-X	2	1	3								
4296	31341-X	*Dendrobium superbum* stems, neutral fraction, pentane-soluble	3	3	3								
4297	31091-X	*Dendrobium superbum* stems, phenolic fraction of 30996-X	2	2	2								
4298	243	Deobase (deodorized kerosine)	1		1	1							
4299	25115-X	*Doryphora sassafras*, crude leaf oil	3	1	1	1	1						
4300	21645-X	*Dracocephalum ruyshianum* tops, ethyl ether extractive			2								
4301	21853-X	*Dracocephalum ruyshianum* tops, acidic fraction of 21645-X	2		2								
4302	21852-X	*Dracocephalum ruyshianum* tops, neutral fraction of 21645-X	2		2								
4303	21598-X	*Echinacea angustifolia* roots, distillate	1			1	1						
4304	25226-X	Enzyme-digested corn protein- (digestion variable)				1							
4305	25227-X	Enzyme-digested corn protein- (digestion variable)				1							
4306	25228-X	Enzyme-digested corn protein- (digestion variable)				1							
4307	25229-X	Enzyme-digested corn protein- (digestion variable)				1							
4308	25230-X	Enzyme-digested corn protein- (digestion variable)				1							
4309	25231-X	Enzyme-digested corn protein- (digestion variable)				1							
4310	21827-X	*Equisetum arvense*, basic fraction of 21646-X	1		1								
4311	21647-X	*Equisetum arvense*, ethanol extractive			3								
4312	21646-X	*Equisetum arvense*, ethyl ether extractive			3								
4313	21826-X	*Equisetum arvense*, neutral fraction of 21646-X	2		2								
4314	21828-X	*Equisetum arvense*, acidic fraction of 21646-X	3		3								
4315	31605-X	*Erythrina herbacea* roots, basic fraction of 31333-X	1	1	1								
4316	31334-X	*Erythrina herbacea* roots, ethanol extractive of marc of 31333-X	2	2	2	2							
4317	31333-X	*Erythrina herbacea* roots, ethyl ether extractive	2	3	2	2							
4318	31607-X	*Erythrina herbacea* roots, free acid fraction of 31333-X	2	2	2								
4319	31606-X	*Erythrina herbacea* roots, neutral fraction of 31333-X	2	2	2								

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4320	31608-X	*Erythrina herbacea* roots, phenolic fraction of 31333-X	1	1	1								
4321	24698-X	Essence Aranciaria	2										
4322	25123-X	*Eucalyptus australiana*, rectified	1	1	1	1	1						
4323	25116-X	*Eucalyptus citriodora* (60–80 percent citronellal)	3	1	2	1	1						
4324	25129-X	*Eucalyptus dives* (40–45 percent piperitone)	2	1	1	1	1						
4325	25127-X	*Eucalyptus numerosa*	1	1	1	1	1						
4326	25114-X	*Eucalyptus phellandra* (50–60 percent cineole)	1	1	2	2	1						
4327	31195-X	*Euphorbia* sp., latex				1						1	1
4328	21953-X	*Evernia* spp., ethanol extractive	2	2	2	1							
4329	21952-X	*Evernia* spp., ethyl ether extractive	3	2	2	1							
4330	21951-X	*Evernia* spp., solid from 21952-X	1	1	1	1							
4331	21542-X	*Fabiana imbricata*, acidic fraction of ethyl ether extractive	2	3	2								
4332	21370-X	*Fabiana imbricata*, ethanol extractive	2		2								
4333	21541-X	*Fabiana imbricata*, neutral fraction of ethyl ether extractive	1	1	1								
4334	21679-X	*Fabiana imbricata*, phenolic fraction of ethyl ether extractive	2	3	2								
4335	31044-X	*Fabiana imbricata* tops, benzene-soluble	1	3	1								
4336	31093-X	*Fabiana imbricata* tops, benzene-soluble, distillate	1	2	1								
4337	31094-X	*Fabiana imbricata* tops, benzene-soluble, solid I	1	1	1								
4338	31095-X	*Fabiana imbricata* tops, benzene-soluble, solid II	3	3	2								
4339	21380-X	*Fabiana imbricata* tops, ethyl ether extractive	1		2								
4340	30316-X	*Fabiana imbricata* tops, ethyl ether-insoluble phenol	1	1	1								
4341	31096-X	*Fabiana imbricata* tops, ethyl ether-soluble, distillate I	1	1	2								
4342	31097-X	*Fabiana imbricata* tops, ethyl ether-soluble, distillate II	2	1	3								
4343	30317-X	*Fabiana imbricata* tops, ethyl ether-soluble phenol	1	3	1								
4344	31098-X	*Fabiana imbricata* tops, ethyl ether-soluble, solid I	1	1	2								
4345	31099-X	*Fabiana imbricata* tops, ethyl ether-soluble, solid II	2	2	3								
4346	31045-X	*Fabiana imbricata* tops, methanol-soluble	1	1	2								
4347	31043-X	*Fabiana imbricata* tops, petroleum ether-soluble	1	1	2								
4348	31092-X	*Fabiana imbricata* tops, petroleum ether-soluble, chromatographic fraction	1	1	3								
4349	30310-X	*Fabiana imbricata* tops, phenolic fraction 1	1	3	2								
4350	30311-X	*Fabiana imbricata* tops, phenolic fraction 2	1	1	1								
4351	30312-X	*Fabiana imbricata* tops, phenolic fraction 3	1	2	1								
4352	30313-X	*Fabiana imbricata* tops, phenolic fraction 4	1	3	1								
4353	30559-X	*Fabiana imbricata* tops, phenolic fraction 4A	1	3	1								
4354	30314-X	*Fabiana imbricata* tops, phenolic fraction 5	1	3	1								
4355	30560-X	*Fabiana imbricata* tops, phenolic fraction 5A	1	2	1								

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4356	30561-X	*Fabiana imbricata* tops, phenolic fraction 5B	1	3	1	----	----	----	----	----	----	----	----
4357	31046-X	*Fabiana imbricata* tops, phenolic fraction of ether extractive, colorless distillate from ether eluate of alumina column	1	1	1	----	----	----	----	----	----	----	----
4358	30315-X	*Fabiana imbricata* tops, phenolic solid	1	1	1	----	----	----	----	----	----	----	----
4359	25266-X	Feather Meal Hydrolyzate	3	2	3	1	----	----	----	----	----	1	2
4360	25268-X	Feather Meal Hydrolyzate (minus lysine and arginine)	2	2	2	2	----	----	----	----	----	1	1
4361	31601-X	*Festuca* sp. grass, ether extractive, basic fraction	1	1	1	----	----	----	----	----	----	----	----
4362	31603-X	*Festuca* sp. grass, ether extractive, free acid fraction	1	1	1	----	----	----	----	----	----	----	----
4363	31602-X	*Festuca* sp. grass, ether extractive, neutral fraction	2	2	2	----	----	----	----	----	----	----	----
4364	31604-X	*Festuca* sp. grass, ether extractive, phenolic fraction	1	1	1	----	----	----	----	----	----	----	----
4365	31180-X	*Festuca* sp. grass, dry, ethanol extractive	----	----	----	----	----	----	----	----	1	----	----
4366	31179-X	*Festuca* sp. grass, ethyl ether extractive	----	----	----	----	----	----	----	----	1	----	----
4367	31178-X	*Festuca* sp. grass, fresh, ethanol extractive	----	----	----	----	----	----	----	----	1	----	----
4368	31177-X	*Festuca* sp. grass, fresh, ethyl ether extractive	----	----	----	----	----	----	----	----	1	----	----
4369	31335-X	*Festuca* sp. grass (late crop), ethyl ether extractive	2	3	3	2	----	----	----	----	----	----	----
4370	31336-X	*Festuca* sp. grass (late crop), ethanol extractive of marc of 31335-X	2	2	2	2	----	----	----	----	----	----	----
4371	21954-X	*Fraxinus nigra* bark, ethanol extractive	2	2	2	1	----	----	----	----	----	----	----
4372	21715-X	*Fraxinus nigra* bark, ethyl ether extractive	1	----	1	----	----	----	----	----	----	----	----
4373	21717-X	*Galipea officinalis* bark, ethanol extractive	2	----	2	----	----	----	----	1	1	----	----
4374	21716-X	*Galipea officinalis* bark, ethyl ether extractive	2	----	2	----	----	----	----	----	----	----	----
4375	21719-X	*Gaultheria procumbens*, ethanol extractive	2	----	2	----	----	----	----	1	1	----	----
4376	21718-X	*Gaultheria procumbens*, ethyl ether extractive	2	----	1	----	----	----	----	----	----	----	----
4377	21861-X	*Gelsemium sempervirens* roots, ethyl ether extractive	2	----	2	1	----	----	----	----	----	----	----
4378	24528-X	Geraniol oil terpenes, Extra	2	----	1	1	----	----	----	----	----	----	----
4379	31554-X	Grapefruit peel, ethyl ether extractive	2	2	2	2	----	----	----	----	----	----	----
4380	21442-X	*Hagenia abyssinica* flowers, ethanol extractive	2	----	----	----	----	----	----	----	----	----	----
4381	21441-X	*Hagenia abyssinica* flowers, ethyl ether extractive	2	----	----	----	----	----	----	----	----	----	----
4382	30343-X	*Hamamelis virginiana* leaves, ethanol extractive	----	----	----	1	----	----	----	----	----	----	----
4383	24402-X	HAN 132 (heavy aromatic naphtha)	----	----	1	1	----	----	----	----	----	----	----
4384	31244-X	*Heracleum lanatum*, ethyl ether extractive, basic fraction	1	1	1	----	----	----	----	----	----	----	----
4385	31247-X	*Heracleum lanatum*, ethyl ether extractive, free acid fraction	2	1	2	----	----	----	----	----	----	----	----
4386	31245-X	*Heracleum lanatum*, ethyl ether extractive, neutral fraction	2	2	2	----	----	----	----	----	----	----	----
4387	31246-X	*Heracleum lanatum*, ethyl ether extractive, phenolic fraction	1	1	1	----	----	----	----	----	----	----	----
4388	21833-X	*Heracleum lanatum* fresh leaves, ethyl ether extractive	2	----	3	2	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4389	21834-X	*Heracleum lanatum* fresh stalks, ethyl ether extractive	1	----	1	1	----	----	----	----	----	----	----
4390	30056-X	*Heracleum lanatum* leaves, acidic fraction	----	----	----	1	----	----	----	----	----	----	----
4391	30055-X	*Heracleum lanatum* leaves, neutral fraction, total	----	----	----	1	----	----	----	----	----	----	----
4392	30054-X	*Heracleum lanatum* leaves, neutral nonvolatile fraction	----	----	----	1	----	----	----	----	----	----	----
4393	30053-X	*Heracleum lanatum* leaves, neutral steam-volatile fraction	----	----	----	1	----	----	----	----	----	----	----
4394	30632-X	*Heracleum lanatum* seeds (Half Moon), ether extractive	2	3	1	1	----	----	----	----	----	----	----
4395	30631-X	*Heracleum lanatum* seeds (Half Moon), pentane extractive	1	2	1	1	1	----	----	----	----	----	----
4396	30630-X	*Heracleum lanatum* seeds (Half Moon), 2d solid from pentane extractive	1	1	2	1	----	----	----	----	----	----	----
4397	30622-X	*Heracleum lanatum* seeds (Jenner), ether extractive	1	2	2	1	----	----	----	----	----	----	----
4398	30623-X	*Heracleum lanatum* seeds (Jenner), pentane extractive	1	2	2	1	----	----	----	----	----	----	----
4399	30621-X	*Heracleum lanatum* seeds (Jenner), 1st solid from pentane extractive	1	2	2	1	----	----	----	----	----	----	----
4400	30627-X	*Heracleum lanatum* seeds (Pt. Reyes), steam distillate	1	2	2	1	1	----	----	----	----	----	----
4401	31027-X	*Hibiscus* sp. buds, ethanol extractive	----	----	----	----	----	----	----	2	1	----	----
4402	31332-X	High-boiling fraction from distillation of ENT–30992	1	1	3	----	----	----	----	----	----	----	----
4403	16366	Hisolv Oil 473	----	----	1	1	----	----	----	----	----	----	----
4404	24410-X	Hisolv Oil 473-2	----	----	1	1	----	----	----	----	----	----	----
4405	24409-X	Hisolv Oil 473-3	----	----	1	1	----	----	----	----	----	----	----
4406	24408-X	Hisolv Oil 473-4	----	----	1	1	----	----	----	----	----	----	----
4407	24407-X	Hisolv Oil 473-5	----	----	1	1	----	----	----	----	----	----	----
4408	24411-X	Hisolv Oil 534	----	----	1	1	----	----	----	----	----	----	----
4409	25267-X	Hoof Meal Hydrolyzate	2	2	2	1	----	----	----	----	----	1	1
4410	25269-X	Hoof Meal Hydrolyzate	2	3	2	1	----	----	----	----	----	1	----
4411	21235-X	Humin or Melanin	----	----	1	----	----	----	----	----	----	----	----
4412	21648-X	*Humulus lupulus*, ethanol extractive	----	----	2	1	----	----	----	----	----	----	----
4413	21599-X	*Humulus lupulus*, ethyl ether extractive	2	----	----	1	----	----	----	----	----	----	----
4414	25101-X	Hyamine 2389 (50 percent aqueous solution)	2	1	1	1	1	----	----	----	----	----	----
4415	24249-X	Hydrolene	1	----	----	----	----	----	----	----	----	----	----
4416	30715-X	*Hypericum perforatum*, chloroform extractive of 30345-X	----	----	----	2	----	----	----	----	----	----	----
4417	30716-X	*Hypericum perforatum*, marc from 30715-X	----	----	----	1	----	----	----	----	----	----	----
4418	30345-X	*Hypericum perforatum*, ethanol extractive	----	----	----	2	----	----	----	----	----	----	----
4419	21955-X	*Hypericum perforatum*, ethyl ether extractive	3	2	2	1	----	----	----	----	----	----	----
4420	30485-X	*Ilex paraguariensis*, chloroform extractive	----	----	----	1	----	----	----	----	----	----	----
4421	30484-X	*Ilex paraguariensis*, ethanol extractive of marc from 30485-X	----	----	----	1	----	----	----	----	----	----	----
4422	21957-X	*Ilex paraguariensis*, ethanol extractive	3	1	2	2	----	----	----	----	----	----	----
4423	21956-X	*Ilex paraguariensis*, ethyl ether extractive	2	1	2	1	----	----	----	----	----	----	----
4424	25103-X	Imidazolinium compound, 1(or 3)-benzyl-2-coco-1-(2-hydroxyethyl) chloride	1	1	1	2	1	----	----	----	----	----	----
4425	25104-X	Imidazolinium compound, 1(or 3)-benzyl-2-heptadecenyl (and heptadecadienyl)-1-(2-hydroxyethyl) chloride	1	1	1	2	1	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4426	25106-X	Imidazolinium compound, 1(or 3)-(4-chlorobutyl)-2-coco-1-(2-hydroxyethyl)chloride	1	1	1	1	1						
4427	25107-X	Imidazolinium compound, 1(or 3)-(4-chlorobutyl)-2-heptadecenyl (and heptadecadienyl)-1-(2-hydroxyethyl) chloride	1	1	1	1	1						
4428	30346-X	*Ipomea orinabensis* roots, ethanol extractive				1							
4429	21958-X	*Ipomea orinabensis* roots, ethyl ether extractive	2	2	1	1	1						
4430	21720-X	*Juglans nigra* leaves, ethanol extractive	2		2								
4431	21649-X	*Juglans nigra* leaves, ethyl ether extractive			3								
4432	30947-X	*Juglans regia*, chloroform extractive of 30946-X				1							
4433	30946-X	*Juglans regia*, ether extractive of ethanol extractive				1							
4434	30948-X	*Juglans regia*, marc from 30947-X				1							
4435	30950-X	*Karwinskia humboltiana*, chloroform extractive of 30949-X				1							
4436	30949-X	*Karwinskia humboltiana*, ethyl ether extractive (of ethanol extractive)				1							
4437	30951-X	*Karwinskia humboltiana*, marc from 30950-X				1							
4438	24414-X	Koppers Aromatic Solvent C4			1	1							
4439	21510-X	*Krameria* spp. roots, ethanol extractive			2								
4440	21509-X	*Krameria* spp. roots, ethyl ether extractive			1								
4441	30347-X	*Larix americana* bark, ethanol extractive				1							
4442	21959-X	*Larix americana* bark, ethyl ether extractive	3	3	1								
4443	25130-X	*Leptospermum liversidgei*, crude leaf oil	1	1	1	1	1						
4444	30475-X	*Ligusticum* sp. seeds, ethanol extractive	2	1	2	1							
4445	30411-X	*Ligusticum* sp. seeds, pentane extractive	1		1	1							
4446	21900-X	Linaloöl, impurity form	1		1								
4447	24592-X	Linaloöl, residue form	1		1	1							
4448	24593-X	Linalyl acetate terpenes	1		1	1							
4449	30714-X	Linolenic and linoleic acids (natural mixture)	2	2	2								
4450	31344-X	Linseed oil (crude)	1	1	2								
4451	31347-X	Linseed oil, acidic fraction	2	2	2								
4452	31346-X	Linseed oil, neutral fraction	1	2	2								
4453	31348-X	Linseed oil, saturated acid fraction	2	2	2								
4454	31349-X	Linseed oil, saturated acid soap	1	2	1								
4455	31350-X	Linseed oil, unsaturated acid fraction	2	3	2	1							
4456	31351-X	Linseed oil, unsaturated acid soap	2	2	2								
4457	31345-X	Linseed oil soap	2	2	2								
4458	30450-X	Linseed oil soap, neutral fraction	1		1								
4459	30451-X	Linseed oil soap, saturated acids, fraction I	1	2	1								
4460	30452-X	Linseed oil soap, saturated acids, fraction II	1	2	1								
4461	30453-X	Linseed oil soap, unsaturated acids fraction	2	2	2								
4462	21512-X	*Liriosma ovata* roots, ethanol extractive			2							1	1
4463	31445-X	*Lomatium nudicaule* seeds, ethyl ether extractive	2	1	1	1							
4464	21759-X	*Lycopersicon esculentum* leaves, acidic fraction of 21515-X	2		2								
4465	21758-X	*Lycopersicon esculentum* leaves, basic fraction of 21515-X	2		1								

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4466	21516-X	*Lycopersicon esculentum* leaves, ethanol extractive	----	----	2	----	----	----	----	----	----	----	----
4467	21515-X	*Lycopersicon esculentum* leaves, ethyl ether extractive	3	----	3	----	----	----	----	----	----	----	----
4468	21760-X	*Lycopersicon esculentum* leaves (fresh), ethyl ether extractive	2	----	2	1	1	----	----	----	----	----	----
4469	21757-X	*Lycopersicon esculentum* leaves, neutral fraction of 21515-X	1	----	1	----	----	----	----	----	----	----	----
4470	21514-X	*Lycopersicon esculentum* roots, ethanol extractive	----	----	2	----	----	----	----	----	----	----	----
4471	21513-X	*Lycopersicon esculentum* roots, ethyl ether extractive	----	----	2	----	----	----	----	----	----	----	----
4472	21358-X	*Mallotus philippinensis* fruits, ethyl ether extractive (1)	2	----	2	----	----	----	----	----	----	----	----
4473	21359-X	*Mallotus philippinensis* fruits, ethyl ether extractive (2)	1	----	2	----	----	----	----	----	----	----	----
4474	23965-X	Mango extract (acetone solution)	1	----	1	1	----	----	----	----	----	----	----
4475	21446-X	*Marsdenia condurango* bark, ethanol extractive	2	----	----	----	----	----	----	----	----	----	----
4476	24699-X	Maximaroma, concrete, P–340	1	----	----	----	----	----	----	----	----	----	----
4477	25126-X	*Melaleuca alternifolia*, "tea-tree," oil	3	1	1	1	1	----	----	----	----	----	----
4478	25121-X	*Melaleuca bracteata*, Kenya, oil	3	1	1	1	1	----	----	----	----	----	----
4479	25119-X	*Melaleuca ericifolia*, crude oil	1	1	1	1	1	----	----	----	----	----	----
4480	25117-X	*Melaleuca viridiflora*	1	1	1	1	1	----	----	----	----	----	----
4481	25113-X	*Melaleuca viridiflora*, variety "A"	2	2	2	1	1	----	----	----	----	----	----
4482	25125-X	*Melaleuca viridiflora*, variety "B"	1	1	1	2	1	----	----	----	----	----	----
4483	21600-X	*Melilotus officinalis*, ethyl ether extractive	2	----	----	----	----	----	----	----	----	----	----
4484	24697-X	Mimosa, absolute maximaroma P–86	2	----	----	----	----	----	----	----	----	----	----
4485	24701-X	Mimosa cire efinsee P–369	1	----	1	----	----	----	----	----	----	----	----
4486	30402-X	*Mitchella repens*, acidic fraction	----	----	----	2	----	----	----	----	----	----	----
4487	21722-X	*Mitchella repens*, ethanol extractive	2	----	2	----	----	----	----	----	----	----	----
4488	21721-X	*Mitchella repens*, ethyl ether extractive	2	----	1	2	----	----	----	----	----	----	----
4489	30400-X	*Mitchella repens*, neutral fraction	----	----	----	1	----	----	----	----	----	----	----
4490	30403-X	*Mitchella repens*, phenolic fraction	----	----	----	1	----	----	----	----	----	----	----
4491	24510-X	Mokihana extract (*See Pelea anisata.*)	----	----	1	----	----	----	----	----	----	----	----
4492	24918-X	Molasses, beet, non-Steffen	----	----	----	----	----	----	----	1	1	----	----
4493	24919-X	Molasses, Johnson "A"	----	----	----	----	----	----	----	1	1	----	----
4494	30564-X	*Montanoa grandiflora* leaves, ethanol extractive, chloroform-insoluble	----	----	----	1	----	----	----	----	----	----	----
4495	30565-X	*Montanoa grandiflora* leaves, ethanol extractive, chloroform-soluble	----	----	----	1	----	----	----	----	----	----	----
4496	30524-X	*Montanoa grandiflora* leaves, ethyl ether extractive	----	----	----	1	----	----	----	----	----	----	----
4497	30955-X	Musk 175	1	1	1	1	1	----	----	----	----	----	----
4498	21384-X	*Myrica cerifera* wax	1	----	1	----	1	----	----	----	----	----	----
4499	21651-X	*Myristica fragrans* nuts, ethanol extractive	----	----	2	----	----	----	----	----	----	----	----
4500	21650-X	*Myristica fragrans* nuts, ethyl ether extractive	----	----	1	1	1	----	----	----	----	1	1
4501	24514-X	Nelgin	1	1	----	----	----	----	----	----	----	----	----
4502	21653-X	*Nigella sativa* seeds, ethanol extractive	----	----	1	----	----	----	----	----	----	----	----
4503	21652-X	*Nigella sativa* seeds, ethyl ether extractive	----	----	1	1	1	----	----	----	----	1	1
4504	30118-X	Norway spruce, leaders, ethyl ether extractive	----	----	----	----	1	----	----	----	----	----	----
4505	23959-X	Nucleic acid	1	----	----	1	----	----	----	----	----	----	----
4506	25198-X	Oil, *Abies alba*, cones	1	1	3	1	----	----	----	----	----	----	----
4507	25196-X	Oil, *Abies alba*, needles	1	1	2	1	----	----	----	----	----	----	----
4508	25197-X	Oil, *Abies sibirica*	1	1	2	1	----	----	----	----	----	----	----
4509	15435-X	Oil, almond	----	----	----	1	----	----	----	----	----	----	----
4510	15434-X	Oil, almond, bitter	1	1	----	----	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4511	11000	Oil, amber	1			1							
4512	24296-X	Oil, *Amyris balsamifera*	1	1									
4513	24487-X	Oil, angelica root	1		2								
4514	21331-X	Oil, angelica root	1		2								
4515	21331-Xa	Oil, angelica root	2	1	3	1							
4516	21302-X	Oil, angelica seed	1		3	1			1	1	1		
4517	21302-Xa	Oil, angelica seed	1		2								
4518	21302-Xb	Oil, angelica seed, fraction C–1a	1		2	1							
4519	21302-Xc	Oil, angelica seed, fraction C–1b	1		2	1							
4520	21302-Xd	Oil, angelica seed, fraction C–2	1		3								
4521	21302-Xe	Oil, angelica seed, fraction C–3	1		3	1							
4522	21302-Xf	Oil, angelica seed, fraction C–4	1		3								
4523	21302-Xg	Oil, angelica seed, fraction D–1			2								
4524	21302-Xh	Oil, angelica seed, fraction D–2			3								
4525	21302-Xi	Oil, angelica seed, fraction D–3			3								
4526	21302-Xj	Oil, angelica seed, fraction D–4			2								
4527	21302-Xk	Oil, angelica seed, fraction D–5			2								
4528	21302-Xl	Oil, angelica seed, fraction D–6			3								
4529	21302-Xm	Oil, angelica seed, fraction D–7			3								
4530	21302-Xn	Oil, angelica seed, fraction D–8			3								
4531	21302-Xo	Oil, angelica seed, fraction D–9			3								
4532	21302-Xp	Oil, angelica seed, fraction D–10			3								
4533	21302-Xq	Oil, angelica seed, fraction D–11			1								
4534	23302-X	Oil, angelica seed, fraction O, volatile forerun	1										
4535	21677-X	Oil, angelica seed, forerun, oxidation product			1								
4536	21680-X	Oil, angelica seed, steam distillate from 21677-X			1								
4537	21302-Xr	Oil, angelica seed, still residue			1								
4538	24843-X	"Oil angelica seed synthetic"	1		1								
4539	621	Oil, anise	1										
4540	24698-Xa	Oil, arancaria, P–298	2										
4541	24810-X	Oil, arancaria, P–144	1		1	1							
4542	24823-X	Oil, balm grass, P–56	3		1	1							
4543	24297-X	Oil, balsam, Peru	1	1	1	1							
4544	463	Oil, bay	2			1			1				
4545	463-a	Oil, bay, fraction 1	1			1							
4546	463-b	Oil, bay, fraction 2	2			1							
4547	463-c	Oil, bay, fraction 3	3			1							
4548	24298-X	Oil, bay laurel leaves	3	2									
4549	2413-a	Oil, Bergamot	1			1							
4550	2413-b	Oils, Bergamot P–359				1							
4551	7638	Oil, birch P–306				1							
4552	24811-X	Oil, black pepper				1							
4553	24299-X	Oil, bois de rose	1	2	1								
4554	24300-X	Oil, cade	3	2									
4555	3042	Oil, cajeput	1										
4556	15436	Oil, calamus P–369	3			1							
4557	15436-c	Oil, calamus	2	3	1								
4558	24507-X	Oil, calamus		1									
4559	15436-a	Oil, calamus, fraction 1, petroleum ether-soluble	2			1							
4560	15436-b	Oil, calamus, fraction 2, petroleum ether-insoluble	2			1							
4561	24812-X	Oil, camomille				1							
4562	24813-X	Oil, camomille Roman P–254	1		1	1							
4563	24301-X	Oil, cananga	2	1									
4564	619	Oil, caraway	1	1		1							
4565	7637	Oil, cardamon P–308				1							
4566	24814-X	Oil, carrot P–371	1		1	1							
4567	24815-X	Oil, cascarilla				1							

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4568	803	Oil, castor	2	1									
4569	24489-X	Oil, catnip			2								
4570	24816-X	Oil, cedar leaves P–282				1							
4571	2007	Oil, cedarwood	2	1	1	1							
4572	24302-X	Oil, celery seed	1	1		1							
4573	618	Oil, chenopodium	1		2								
4574	617	Oil, cinnamon	2	1		1							
4575	24490-X	Oil, cinnamon bark	3										
4576	159	Oil, citronella			1			1					
4577	24303-X	Oil, clary sage	2	1									
4578	462	Oil, clove	1			1		1					
4579	1296	Oil, coconut	2										
4580	24304-X	Oil, cognac green	1										
4581	11138	Oil, copaiba	2	1									
4582	7632	Oil, coriander (P–348)	1	1	1	1							
4583	105	Oil, corn (Mazola)	1	1									
4584	24817-X	Oil, costus (P–254)	2		2	1							
4585	95	Oil, cottonseed (Wesson)	1	1									
4586	15439	Oil, cubeb	2	1		1							
4587	11142	Oil, cumin			2								
4588	24818-X	Oil, cypress Pays	1		1								
4589	24819-X	Oil, cyste	1		3	1							
4590	24503-X	Oil, dill seed	1		2								
4591	24504-X	Oil, dill weed	1		2								
4592	15440	Oil, elemi	3	1	1	1							
4593	24305-X	Oil, estragon	2	1		1							
4594	25128-X	Oil, eucalyptus	1	1	1	1	1						
4595	24663-X	Oil, eucalyptus N.F. (70–80 percent eucalyptol)	1		1	1							
4596	24663-Xa	Oil, eucalyptus, technical	3		1	1							
4597	746-X	Oil, fennel	1		1	1							
4598	746-a	Oil, fennel seed	2		1	1							
4599	24306-X	Oil, fir needle	1	1									
4600	630	Oil, geranium bourbon				1							
4601	24820-X	Oil, geranium gingergrass	2		1	1							
4602	629	Oil, geranium rose	1	1		1	1		2				
4603	15441	Oil, ginger	2		1								
4604	24491-X	Oil, gingergrass			3				2				
4605	24307-X	Oil, grapefruit	1					1					
4606	24655-X	Oil, grapefruit, expressed	2			2							
4607	24308-X	Oil, guaiac wood	2	1									
4608	24309-X	Oil, hops	2										
4609	25062-X	Oil, huon pine	3		1	1							
4610	24821-X	Oil, hyssop				1							
4611	24492-X	Oil, laurel	3						2				
4612	24310-Xa	Oil, lavandin	1	1		1							
4613	24310-Xb	Oil, lavandin	1	1		1							
4614	24310-Xc	Oil, lavandin	1	1		1							
4615	762-a	Oil, lavender	1		1	1							
4616	762-b	Oil, lavender	1		1	1							
4617	762-c	Oil, lavender	1		1	1							
4618	762-d	Oil, lavender	1		1	1							
4619	465	Oil, lemon	1			1							
4620	24706-Xa	Oil, lemon, expressed, American (Magna)	1		2	1	1		2				
4621	24706-Xb	Oil, lemon, expressed, American	1										
4622	21803-X	Oil, lemon, BAIC, fraction 2	1		2								
4623	21804-X	Oil, lemon, BAIC, fraction 3	1		1	1							
4624	21805-X	Oil, lemon, BAIC, fraction 4	2		1	1							
4625	21806-X	Oil, lemon, BAIC, fraction 5	2		2								
4626	21807-X	Oil, lemon, BAIC, fraction 6	1		1	1							
4627	21808-X	Oil, lemon, BAIC, fraction 8	1		2	1							
4628	21809-X	Oil, lemon, BAIC, fraction 9	1		2								

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4629	21810-X	Oil, lemon, BAIC, fraction 10	1		3								
4630	21811-X	Oil, lemon, BAIC, fraction 11	1		1	1							
4631	21812-X	Oil, lemon, BAIC, fraction 12	1		1	1							
4632	21813-X	Oil, lemon, BAIC, fraction 13	1		1	1							
4633	21814-X	Oil, lemon, BAIC, fraction 14	1		1	1							
4634	21815-X	Oil, lemon, BAIC, fraction 15	1		1	1							
4635	21816-X	Oil, lemon, BAIC, fraction 16	1			1							
4636	21817-X	Oil, lemon, BAIC, fraction 17	1			1							
4637	21818-X	Oil, lemon BAIC, fraction 18	1			1							
4638	21819-X	Oil, lemon, BAIC, fraction 19	2		1	1							
4639	21820-X	Oil, lemon, BAIC, fraction 20	1		1	1							
4640	21821-X	Oil, lemon, BAIC, fraction 21	1		2								
4641	21822-X	Oil, lemon, BAIC, fraction 22	1		3								
4642	21823-X	Oil, lemon, BAIC, fraction 23	1		2	1							
4643	24656-X	Oil, lemon, U.S.P. pressed Calif. control PMX–270	1			2							
4644	24657-X	Oil, lemon	1			2							
4645	1587	Oil, lemongrass	1	1					2				
4646	24526-X	Oil, lemongrass, from terpenes	2		1	1							
4647	24527-X	Oil, lemongrass, from terpenes	3		1	1							
4648	24311-X	Oil, lime	1										
4649	24658-X	Oil, lime, expressed	1			1							
4650	24312-X	Oil, linaloe	1	1					2				
4651	2597	Oil, linseed	2	2									
4652	24313-X	Oil, lovage	3	1	2	1							
4653	24314-X	Oil, mace	2										
4654	24315-X	Oil, mandarin	1	2		1							
4655	24822-X	Oil, mastic tree	2		1	1							
4656	24494-X	Oil, melissa balsa	3										
4657	160-a	Oil, "middol"	1			1							
4658	461	Oil, mineral	1										
4659	15446	Oil, myrtle				1							
4660	24495-X	Oil, neroli, petale				1							
4661	2361	Oil, niaouli				1							
4662	11001	Oil, nutmeg, nuts	2	1		1							
4663	24316-X	Oil, *Ocotea cymbarum*	2	1									
4664	24317-X	Oil, olibanum	2	1		1							
4665	24824-X	Oil, onion	2		2	1							
4666	24318-X	Oil, opopanax	2	1		1							
4667	24662-X	Oil, orange, bitter	1			1							
4668	24319-X	Oil, orange, bitter Italian	1	1		1							
4669	24659-X	Oil, orange	1			2							
4670	24660-X	Oil, orange	1	1	3	2							
4671	24661-X	Oil, orange, Golden brand	1			2							
4672	11139	Oil, origanum	1	1		1							
4673	24320-X	Oil, patchouly	1	1		1							
4674	7628	Oil, pennyroyal	1	1				1					
4675	1327-a	Oil, petitgrain	1	1		1		1					
4676	1327-b	Oil, petitgrain				1							
4677	1327-c	Oil, petitgrain				1							
4678	24412-X	Oil, piccolyte			1	1							
4679	24825-X	Oil, pimento, berries				1							
4680	742	Oil, pimento leaf	3						2				
4681	160	Oil, pine (Yarmor)	1			1							
4682	15448	Oil, pine needle	1	1									
4683	25188-X	Oil, pine needle, Canadian	2	1	3	1	1						
4684	25187-X	Oil, pine needle, Siberian	1	1	2	1	1						
4685	25194-X	Oil, *Pinus pumilio*	1	1	3	1							
4686	25195-X	Oil, *Pinus sylvestris*, Extra	1	1	3	1							
4687	24505-X	Oil, Rhodes coconut		1									
4688	24321-X	Oil, rose	1	1									
4689	11137-a	Oil, rosemary	1	1									

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4690	11137-b	Oil, rosemary nette	2	1	----	1	----	----	----	----	----	----	----
4691	11140	Oil, rue	2	2	----	----	----	----	----	----	----	----	----
4692	24322-Xb	Oil, sage	1	----	1	----	----	----	----	----	----	----	----
4693	24322-Xa	Oil, sage, Dalmatian	1	1	----	----	----	----	----	----	----	----	----
4694	24323-X	Oil, sandalwood	1	1	----	1	----	----	----	----	----	----	----
4695	620	Oil, sassafras	1	----	----	1	----	----	----	----	----	----	----
4696	7631	Oil, savin	2	----	2	----	----	----	----	----	----	----	----
4697	24497-X	Oil, savory	----	----	----	1	----	----	----	----	----	----	----
4698	582	Oil, sesame	1	----	----	1	----	----	----	----	----	----	----
4699	25244-X	Oil, soya, fatty acids	1	1	----	----	----	----	----	----	----	----	----
4700	15449	Oil, spearmint	1	1	----	----	----	----	----	----	----	----	----
4701	14846	Oil, spike lavender	1	----	----	1	----	----	----	----	----	----	----
4702	25189-X	Oil, spruce	1	1	2	1	1	----	----	----	----	----	----
4703	24324-X	Oil, spruce needle	1	1	----	----	----	----	----	----	----	----	----
4704	24325-X	Oil, styrax	1	1	2	1	--	----	----	----	----	----	----
4705	24488-X	Oil, sweet basil	----	----	----	1	----	----	----	----	----	----	----
4706	24326-X	Oil, sweet birch	1	1	----	----	----	----	----	----	----	----	----
4707	14443	Oil, sweet marjoram	----	----	2	----	----	----	----	----	----	----	----
4708	468	Oil, sweet orange	2	----	----	1	----	----	1	----	----	----	----
4709	21898-X	Oil, sweet orange, acidic fraction	2	----	3	----	1	----	----	----	----	----	----
4710	21896-X	Oil, sweet orange, distillate 2	1	----	3	----	----	----	----	----	----	----	----
4711	21668-X	Oil, sweet orange, distillation residue	----	----	3	----	----	----	----	----	----	----	----
4712	24707-X	Oil, sweet orange, expressed, American (Magna)	2	----	2	1	----	----	----	----	----	----	----
4713	21666-X	Oil, sweet orange, fraction 1	----	----	2	2	1	----	----	----	----	----	----
4714	21667-X	Oil, sweet orange, fraction 2	----	----	2	----	----	----	----	----	----	----	----
4715	21897-X	Oil, sweet orange, neutral fraction	1	----	3	----	----	----	----	----	----	----	----
4716	24826-X	Oil, szdravst	1	----	1	1	----	----	----	----	----	----	----
4717	15452	Oil, tagette	2	----	----	1	----	----	----	----	----	----	----
4718	24327-X	Oil, tangerine	1	----	----	----	----	----	1	----	----	----	----
4719	24328-X	Oil, tansy	1	1	----	----	----	----	----	----	----	----	----
4720	24329-X	Oil, tar	2	1	----	----	----	----	----	----	----	----	----
4721	336	Oil, thyme	1	1	----	----	----	----	----	----	----	----	----
4722	24498-X	Oil, ti-tree, Australian	----	----	2	----	---	----	----	----	----	----	----
4723	11136	Oil, verbena	3	----	----	----	----	----	----	----	----	----	----
4724	24330-X	Oil, vetivert	2	1	----	----	----	----	----	----	----	----	----
4725	25122-X	Oil, Western Australian sandalwood	1	1	1	2	1	----	----	----	----	----	----
4726	24331-X	Oil, whale	1	1	----	----	----	----	----	----	----	----	----
4727	467	Oil, wintergreen	1	1	----	1	----	1	1	----	----	----	----
4728	24506-X	Oil, xanthophyll	2	1	----	----	----	----	----	----	----	----	----
4729	15455-a	Oil, ylang ylang	2	1	1	----	----	----	----	----	----	----	----
4730	15455-b	Oil, ylang ylang	2	----	1	----	----	----	----	----	----	----	----
4731	15455-c	Oil, ylang ylang	2	----	1	----	----	----	----	----	----	----	----
4732	15455-d	Oil, ylang ylang	2	----	1	----	----	----	----	----	----	----	----
4733	15455-e	Oil, ylang ylang	2	----	1	----	----	----	----	----	----	----	----
4734	24511-X	Olapa extract	----	----	1	----	----	----	----	----	----	----	----
4735	31553-X	Orange peel, ethyl ether extractive	2	1	3	2	----	----	----	----	----	----	----
4736	31174-X	*Pachyrrhizus erosus* leaves, ethanol extractive	----	----	----	----	----	----	----	1	1	----	----
4737	31173-X	*Pachyrrhizus erosus* leaves, ether extractive	----	----	----	----	----	----	----	2	1	----	----
4738	31176-X	*Pachyrrhizus erosus* stems, ethanol extractive	----	----	----	----	1	----	----	1	1	----	----
4739	31175-X	*Pachyrrhizus erosus* stems, ether extractive	----	----	----	----	----	----	----	1	1	----	----
4740	21385-X	*Papaver somniferum* seeds, ethyl ether extractive	1	----	1	----	----	----	----	----	----	----	----
4741	30318-X	Peach fruits, ethyl ether extractive	1	1	1	----	----	----	----	----	----	----	----
4742	30319-X	Peach juice, Georgia	1	1	1	1	----	----	----	----	----	----	----
4743	31237-X	*Pelea anisata* leaves, ethanol extractive (of ether extractive of marc)	2	1	2	----	----	----	----	----	----	----	----
4744	31234-X	*Pelea anisata* leaves, ether extractive	3	1	1	----	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4745	31235-X	*Pelea anisata* leaves, steam distillate of 31234-X	3	1	2								
4746	31236-X	*Pelea anisata* leaves, still residue from 31235-X	3	1	2								
4747	31239-X	*Pelea anisata* stems, ethanol extractive (of ether extractive of marc)	2	2	1								
4748	31238-X	*Pelea anisata* stems, ether extractive	3	1	2								
4749	470	Peppermint			2								
4750	1225	Petroleum ether	1										
4751	21366-X	*Petroselinum sativum* roots, ethanol extractive	2		2								
4752	24508-X	Pineapple distillate			2								
4753	24509-X	Pineapple juice			1								
4754	21519-X	*Piper angustifolium* leaves, ethyl ether extractive			1								
4755	24346-X	Piperonone	2	1									
4756	21448-X	*Piper methysticum* roots, ethyl ether extractive	2										
4757	21601-X	*Plantago ovata* seeds, ethyl ether extractive	2										
4758	21654-X	*Pogostemon patchouli* leaves, ethanol extractive	2		2								
4759	21602-X	*Pogostemon patchouli* leaves, ethyl ether extractive	2		1	1							
4760	24705-X	Protolan 5850, protein hydrolysate with natural B-complex vitamins			2								
4761	30348-X	*Pterocarpus santalinus*, ethanol extractive	1	2	2	1							
4762	21961-X	*Pterocarpus santalinus*, ethyl ether extractive	2	2	2	1							
4763	21960-X	*Pterocarpus santalinus*, solid from 21961-X	2	1	2	1							
4764	30115-X	Red pine branches, ethyl ether extractive					1						
4765	30114-X	Red pine needles, ethyl ether extractive					1						
4766	21839-X	*Rhamnus frangula* bark, acidic fraction of 21723-X	2		3								
4767	21838-X	*Rhamnus frangula* bark, basic fraction of 21723-X	1		1								
4768	21962-X	*Rhamnus frangula* bark, ethanol extractive	2	2	2	2							
4769	21723-X	*Rhamnus frangula* bark, ethyl ether extractive	2		3								
4770	21840-X	*Rhamnus frangula* bark, neutral fraction of 21723-X	2		1								
4771	21963-X	*Rhodymenia palmata*, ethanol extractive	2	2	1	1							
4772	21856-X	*Rhodymenia palmata*, ethyl ether extractive	2		2								
4773	30349-X	*Roripa nasturtium-aquaticum*, ethanol extractive	2	2	1	1							
4774	21964-X	*Roripa nasturtium-aquaticum*, ethyl ether extractive	2	1	1	1							
4775	21725-X	*Rosa centifolia* buds, ethanol extractive	2		3					1	1		
4776	21724-X	*Rosa centifolia* buds, ethyl ether extractive	3		2								
4777	24362-X	Rose crystals	1	1	1								
4778	24700-X	Rose de Mai cire efinsee	2		1								
4779	24364-X	Rose ethone	1	1									
4780	21851-X	*Rosmarinus officinalis* leaves, acidic fraction of 21603-X	3		2								
4781	21655-X	*Rosmarinus officinalis* leaves, ethanol extractive	2		2	1							

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT–)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4782	21603-X	*Rosmarinus officinalis* leaves, ethyl ether extractive	3	----	1	1	----	----	----	----	----	----	----
4783	21850-X	*Rosmarinus officinalis* leaves, neutral fraction of 21603-X	3	----	2	----	----	----	----	----	----	----	----
4784	21849-X	*Rosmarinus officinalis* leaves, solid fraction of 21603-X	2	----	1	----	----	----	----	----	----	----	----
4785	21522-X	*Ruta graveolens*, ethanol extractive	----	----	2	----	----	----	----	----	----	----	----
4786	16372	Saf-T-Sol No. 1	----	----	1	1	----	----	----	----	----	----	----
4787	21965-X	*Salmea scandens* stems, ethyl ether extractive	2	1	2	1	1	----	----	----	----	----	----
4788	21605-X	*Sambucus canadensis* berries, ethanol extractive	2	----	2	1	----	----	----	----	----	----	----
4789	21604-X	*Sambucus canadensis* berries, ethyl ether extractive	2	----	2	----	----	----	----	----	----	----	----
4790	21453-X	*Sambucus canadensis* flowers, ethanol extractive	2	----	----	----	----	----	----	----	----	----	----
4791	21622-X	*Sargentia greggii* green fruits, ethanol-insoluble extractive	----	----	----	1	----	----	----	----	----	----	----
4792	21623-X	*Sargentia greggii* green fruits, ethanol-soluble extractive	----	----	----	2	----	----	----	----	----	----	----
4793	21591-X	*Sargentia greggii* ripe fruits, ethyl alcohol extractive	2	----	----	1	----	----	----	----	----	----	----
4794	21590-X	*Sargentia greggii* ripe fruits, ethyl ether extractive	2	----	----	2	1	----	----	----	----	----	----
4795	21589-X	*Sargentia greggii* ripe fruits, expressed juice	1	----	----	1	----	----	----	----	----	----	----
4796	24529-X	Sassafras oil terpenes	2	----	2	1	----	----	----	----	----	----	----
4797	21524-X	*Satureja hortensis* leaves, ethanol extractive	----	----	2	----	----	----	----	----	----	----	----
4798	21523-Xa	*Satureja hortensis* leaves, ethyl ether extractive	3	1	2	----	----	----	----	----	----	----	----
4799	30398-X	*Scutellaria canescens*, acidic fraction	2	1	2	----	----	----	----	----	----	----	----
4800	30350-X	*Scutellaria canescens*, ethanol extractive	2	1	2	1	----	----	----	----	----	----	----
4801	21966-X	*Scutellaria canescens*, ethyl ether extractive	3	2	2	1	----	----	----	----	----	----	----
4802	30397-X	*Scutellaria canescens*, neutral fraction	----	----	----	1	----	----	----	----	----	----	----
4803	30399-X	*Scutellaria canescens*, phenolic fraction	----	----	----	1	----	----	----	----	----	----	----
4804	21526-X	*Serenoa repens* berries, ethanol extractive	----	----	1	----	----	----	----	----	----	----	----
4805	21525-X	*Serenoa repens* berries, ethyl ether extractive	1	----	2	----	----	----	----	----	----	----	----
4806	562	Sesquiterpenes	2	----	1	1	----	----	----	----	----	----	----
4807	24797-X	Sesquiterpene, cut from turpentine	3	----	1	1	1	----	----	----	1	----	----
4808	14351	Solvesso 100	----	----	2	1	----	----	----	----	----	----	----
4809	16335	Solvesso 150	----	----	1	1	----	----	----	----	----	----	----
4810	15951	Sovacide 544B	----	----	1	1	----	----	----	----	----	----	----
4811	16079	Sovacide 544C	----	----	2	1	----	----	----	----	----	----	----
4812	25232-X	Soybean phosphatides	----	----	----	1	----	----	----	----	----	----	----
4813	21763-X	*Spilanthes oleraceae* tops, pentane extractive	2	----	2	1	----	----	----	----	----	----	----
4814	24841-X	Staley's Bait #2	----	----	----	----	----	----	----	----	2	2	1
4815	24842-X	Staley's Bait #7	----	----	----	----	----	----	----	1	2	2	1
4816	21761-X	Sweet orange terpenes, rectified	2	----	3	1	1	----	----	----	----	----	----
4817	21455-X	*Symphytum officinale* roots, ethanol extractive	1	----	----	----	----	----	----	----	----	----	----
4818	21727-X	*Symplocarpus foetidus*, ethanol extractive	1	----	1	----	----	----	----	----	----	----	----
4819	21726-X	*Symplocarpus foetidus*, ethyl ether extractive	2	----	2	----	----	----	----	----	----	----	----
4820	31552-X	Tangerine peel, ethyl ether extractive	1	1	2	2	----	----	----	----	----	----	----
4821	564	Terpenes	1	----	1	1	----	----	----	----	----	----	----
4822	24530-X	Terpene B hydrocarbons	1	----	1	1	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4823	24533-X	Terpene D hydrocarbons	1	----	1	1	----	----	----	----	----	----	----
4824	24531-X	Terpene G hydrocarbons	1	----	1	1	----	----	----	----	----	----	----
4825	24532-X	Terpene H hydrocarbons	1	----	1	2	----	----	----	----	----	----	----
4826	21457-X	*Thuja occidentalis*, ethanol extractive	2	----	----	----	----	----	----	----	----	----	----
4827	21456-X	*Thuja occidentalis*, ethyl ether extractive	2	----	----	----	----	----	----	----	----	----	----
4828	21837-X	*Tilia europaea* flowers, acidic fraction of 21606-X	3	----	3	----	----	----	----	----	----	----	----
4829	21836-X	*Tilia europaea* flowers, basic fraction of 21606-X	2	----	2	----	----	----	----	----	----	----	----
4830	21656-X	*Tilia europaea* flowers, ethanol extractive	2	----	3	1	----	----	----	----	----	----	----
4831	21606-X	*Tilia europaea* flowers, ethyl ether extractive	3	----	2	----	----	----	----	----	----	----	----
4832	30057-X	*Tilia europaea* flowers, free acid fraction	2	2	2	----	----	----	----	----	----	----	----
4833	21835-X	*Tilia europaea* flowers, neutral fraction of 21606-X	3	----	2	----	----	----	----	----	----	----	----
4834	30058-X	*Tilia europaea* flowers, phenolic fraction	1	2	2	----	----	----	----	----	----	----	----
4835	16375	Toledo Sun Solvent 3	----	----	1	1	----	----	----	----	----	----	----
4836	21459-X	*Trifolium pratense* tops, ethanol extractive	2	----	----	----	----	----	----	----	----	----	----
4837	21657-X	*Trigonella foenum-graecum* seeds, ethanol extractive	2	----	2	1	1	----	----	----	----	----	----
4838	21607-X	*Trigonella foenum-graecum* seeds, ethyl ether extractive	2	----	2	1	----	----	----	----	----	1	1
4839	21659-X	*Trilisa odoratissima* leaves, ethanol extractive	----	----	2	1	----	----	----	----	----	----	----
4840	21658-X	*Trilisa odoratissima* leaves, ethyl ether extractive	----	----	1	----	----	----	----	----	----	----	----
4841	21583-X	*Trillium erectum* roots, acidic fraction of 21322-X	3	----	----	----	----	----	----	----	----	----	----
4842	21764-X	*Trillium erectum* roots, chromatography fraction 1 of 21582-X	2	----	1	----	----	----	----	----	----	----	----
4843	21765-X	*Trillium erectum* roots, chromatography fraction 2 of 21582-X	2	----	1	----	----	----	----	----	----	----	----
4844	21766-X	*Trillium erectum* roots, chromatography fraction 3 of 21582-X	2	----	1	----	----	----	----	----	----	----	----
4845	21367-X	*Trillium erectum* roots, ethanol extractive	2	----	1	----	----	----	----	----	----	----	----
4846	21322-X	*Trillium erectum* roots, ethyl ether extractive	3	----	2	----	----	----	----	----	----	----	----
4847	21582-X	*Trillium erectum* roots, neutral fraction of 21322-X	3	----	----	----	----	----	----	----	----	----	----
4848	21584-X	*Trillium erectum* roots, phenolic fraction of 21322-X	3	----	----	----	----	----	----	----	----	----	----
4849	21388-X	*Tsuga canadensis* pitch	2	----	1	----	----	----	----	----	----	----	----
4850	2211	Turpentine	1	1	1	1	----	----	----	----	----	----	----
4851	21728-X	*Tussilago farfara* leaves, ethanol extractive	2	----	2	----	----	----	----	----	----	----	----
4852	21660-X	*Tussilago farfara* leaves, ethyl ether extractive	----	----	2	----	----	----	----	----	----	----	----
4853	16246	Umex 4060	----	----	1	1	----	----	----	----	----	----	----
4854	30481-X	*Uncaria gambir*, chloroform extractive	----	----	----	2	----	----	----	----	----	----	----
4855	21967-X	*Uncaria gambir*, ethanol extractive	2	1	2	2	----	----	----	----	----	----	----
4856	30480-X	*Uncaria gambir*, ethanol extractive, chloroform-insoluble	----	----	----	2	----	----	----	----	----	----	----
4857	21860-X	*Uncaria gambir*, ethyl ether extractive	1	----	1	1	----	----	----	----	----	1	1
4858	15870	Velsicol AR–50G	----	----	2	1	----	----	----	----	----	----	----
4859	24413-X	Velsicol AR–55	----	----	2	1	----	----	----	----	----	----	----
4860	217	Velsicol AR–60	----	----	2	1	----	----	----	----	----	----	----
4861	4481	Velsicol NR–70	1	----	3	1	----	----	----	----	----	----	----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4862	30117-X	White pine branches, ethyl ether extractive	----	----	----	----	1	----	----	----	----	----	----
4863	30116-X	White pine needles, ethyl ether extractive	----	----	----	----	1	----	----	----	----	----	----
4864	30119-X	White spruce leaders, ethyl ether extractive	----	----	----	----	1	----	----	----	----	----	----
4865	25272-X	Yeast, brewer's, water-soluble, fraction of Autolized Amber BYF	3	2	2	2	----	----	----	1	1	----	----
4866	24879-X	Yeast hydrolysate	3	3	3	----	----	----	----	----	----	----	----
4867	30562-X	*Zuelania roussoviae* leaves, ethanol extractive, chloroform-insoluble	----	----	----	2	----	----	----	----	----	----	----
4868	30523-X	*Zuelania roussoviae* leaves, ethyl ether extractive	----	----	----	1	----	----	----	----	----	----	----

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66	479
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4860	294
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7312	2900
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7371	2987
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11137-b	4690
11138	4581
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15455-a	4729

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16170	1945
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21318-X	4192
21319-X	4133
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21540	3971

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21551	567
21552	568
21554	674
21556	837
21557	3783
21558	869
21559	895
21560	918
21561	3975
21562	646
21564	891
21565	1381
21566	1394
21568	1049
21570	2495
21571	1188
21572	894
21573	836
21574	1189
21576	2178
21577	893
21578	838
21579	1834
21582-X	4847
21583-X	4841
21584-X	4848
21585	3619
21586	1389
21587	1387
21588	1360
21589-X	4795
21590-X	4794
21591-X	4793
21592-X	4111
21593-X	4203
21594-X	4210
21595-X	4212
21596-X	4223
21597-X	4262
21598-X	4303
21599-X	4413
21600-X	4483
21601-X	4757
21602-X	4759
21603-X	4782
21604-X	4789
21605-X	4788
21606-X	4831
21607-X	4838
21608	2918
21610	1773
21611	1116
21612	2179
21613	1118
21614	1120
21615	2730
21616	17
21617	60
21618	2140
21620	1106
21622-X	4791
21623-X	4792
21624	1036
21625	1105
21626	1349
21628	1040
21629	1046
21630	1389
21631	3724
21633	1374

ENT-	Item
21634	1352
21635	1351
21636	1377
21637	1378
21638-X	4195
21639-X	4194
21640-X	4208
21641-X	4201
21642-X	4209
21643-X	4211
21644-X	4222
21645-X	4301
21646-X	4312
21647-X	4311
21648-X	4412
21649-X	4431
21650-X	4500
21651-X	4499
21652-X	4503
21653-X	4502
21654-X	4758
21655-X	4781
21656-X	4830
21657-X	4837
21658-X	4840
21659-X	4839
21660-X	4852
21661	288
21662	291
21663	1357
21664	1393
21665	3925
21666-X	4713
21667-X	4714
21668-X	4711
21669	1151
21670	1146
21671	3463
21672	3847
21673	1148
21674	1144
21675	96
21676	1038
21677-X	4535
21679-X	4334
21680-X	4536
21681	109
21682	1042
21683	1041
21684	1044
21685	1048
21686	1045
21687	3843
21691	1047
21692	1043
21693	3845
21694	382
21695	380
21696	378
21697	385
21698	381
21699	492
21700	383
21701	1039
21702	1166
21703	1162
21704	566
21705	616
21706	3825
21707	1164
21708	1157
21709	1159
21710	1161
21711-X	4132
21712-X	4198
21714-X	4233
21715-X	4372

ENT-	Item
21716-X	4374
21717-X	4373
21718-X	4376
21719-X	4375
21720-X	4430
21721-X	4488
21722-X	4487
21723-X	4769
21724-X	4776
21725-X	4775
21726-X	4819
21727-X	4818
21728-X	4851
21729	1154
21730	3849
21731	1163
21732	493
21733	826
21734	1167
21735	1180
21736	1174
21737	2248
21738	1168
21739	896
21740	3217
21741	1107
21742	1110
21743	2795
21744	1179
21745	1172
21746	3852
21747	1181
21748	1177
21749	1182
21750	1173
21751	1178
21752	1187
21753	1186
21754	1184
21755	2208
21756	3853
21757-X	4469
21758-X	4465
21759-X	4464
21760-X	4468
21761-X	4816
21763-X	4813
21764-X	4842
21765-X	4843
21766-X	4844
21767	1997
21768	1995
21769	2001
21770	1996
21771	4053
21772	2663
21773	1925
21774	1923
21775	1930
21776	1924
21777	4033
21792	1913
21793	1933
21794	1921
21795	4032
21796	1927
21797	1922
21798	1918
21799	1920
21800	1123
21801	1124
21802	2092
21803-X	4622
21804-X	4623
21805-X	4624
21806-X	4625
21807-X	4626

ENT-	Item
21808-X	4627
21809-X	4628
21810-X	4629
21811-X	4630
21812-X	4631
21813-X	4632
21814-X	4633
21815-X	4634
21816-X	4635
21817-X	4636
21818-X	4637
21819-X	4638
21820-X	4639
21821-X	4640
21822-X	4641
21823-X	4642
21824	2027
21825	855
21826-X	4313
21827-X	4310
21828-X	4314
21829-X	4207
21830-X	4206
21831-X	4205
21832-X	4204
21833-X	4388
21834-X	4389
21835-X	4833
21836-X	4829
21837-X	4828
21838-X	4767
21839-X	4766
21840-X	4770
21841	1119
21842	1129
21843	1143
21844	1137
21845	1919
21846	1136
21847	1931
21848	1140
21849-X	4784
21850-X	4783
21851-X	4780
21852-X	4302
21853-X	4300
21854-X	4248
21855-X	4227
21856-X	4772
21857-X	4123
21860-X	4857
21861-X	4377
21862-X	4232
21863-X	4130
21864	2967
21865	1376
21866	728
21867	1915
21868	3464
21869	3458
21870	3456
21871	3462
21872	1982
21873	3976
21874	2587
21875	1244
21876	1856
21877	1391
21878	1424
21879	2966
21880	3461
21881	2876
21883	3323
21884	3321
21886	3193
21892	211
21894	3322
21896-X	4710

ENT-	Item
21897-X	4715
21898-X	4709
21900-X	4446
21901	669
21902	667
21906	868
21908	218
21909	2710
21911	3460
21913	2796
21914	1169
21915	2708
21916	2916
21917	2709
21918	337
21919	2679
21920	3602
21921	365
21922	1854
21923	742
21924	1388
21925	3655
21926	3631
21927	4018
21928	1879
21929	4025
21930	4027
21931	1881
21932	550
21933	1926
21934	2164
21936	2678
21937	2707
21938	2650
21939-X	4122
21940-X	4128
21941-X	4197
21942-X	4225
21943-X	4226
21944-X	4231
21945-X	4238
21946-X	4237
21947-X	4236
21948-X	4246
21949-X	4245
21950-X	4247
21951-X	4330
21952-X	4329
21953-X	4328
21954-X	4371
21955-X	4419
21956-X	4423
21957-X	4422
21958-X	4429
21959-X	4442
21960-X	4763
21961-X	4762
21962-X	4768
21963-X	4771
21964-X	4774
21965-X	4787
21966-X	4801
21967-X	4855
21968	445
21969	404
21970	3764
21971	3914
21972	525
21973	1998
21974	1999
21975	3390
21976	3389
21977	2652
21978	2643
21979	2641
21980	2647
21981	127

ENT-	Item
21982	2187
21984	2139
21985	4052
21986	1991
21987	1984
21988	1994
21989	2086
21990	2175
21991	2932
21992	2734
21993	2471
21994	2825
21995	2680
21996	1421
21997	2910
21998	2079
22006	819
22073	1327
22074	687
22075	1297
22076	1319
22079	1303
22080	1304
22081	1295
22082	1305
22083	1324
22104	2469
22131	2726
22217	466
22218	3683
22219	441
22220	447
22221	453
22222	462
22223	3681
22224	469
22225	412
22227	3682
22229	757
22251	3335
22280	1145
22331	3966
22339	1330
22340	468
22341	410
22342	408
22345	403
22346	398
22347	397
22348	406
22349	1795
22351	755
22352	407
22357	1328
22358	1322
22361	448
22362	1805
22363	405
22395	1857
22396	746
22398	1325
22404	197
22427	2403
22468	1461
22625	350
22626	112
22683	1199
22704	1744

ENT-	Item
22713	716
22714	1364
22715	1296
22721	964
22722	426
22724	511
22726	399
22727	583
22729	996
22730	983
22731	1058
22794	1054
22795	1873
22796	1062
22797	1060
22799	1055
22800	1057
22801	1063
22802	1064
22803	1056
22808	1211
22811	2367
23057	2555
23116	3493
23118	3726
23121	2767
23122	2764
23142	2483
23214	3004
23302-X	4534
23354	73
23357	2108
23375	3643
23404	2632
23407	2842
23412	2887
23415	2848
23448	3850
23593	2504
23699	1075
23700	1073
23701	1071
23747	2474
23749	2467
23799	3346
23805	1072
23806	1069
23807	1067
23808	1066
23809	1079
23810	1080
23811	1065
23812	1070
23813	1077
23815	1068
23816	1078
23817	1074
23818	513
23843	1616
23862	10
23864	2645
23876	3398
23882	2991

ENT-	Item
23953	4080
23954	2903
23955	3017
23956	3288
23957	3306
23958	3290
23959-X	4505
23960	941
23961	3960
23962	3130
23963	4076
23964	943
23965-X	4474
23971	2559
23972	2955
23973	38
23974	68
23975	4058
23976	50
23977	61
23978	28
23983	2124
23984	3426
23985	161
23986-a	137
23986-b	138
24036	3138
24037	3260
24038	3294
24039	3320
24040	3327
24041	3485
24049	2802
24106	14
24107	26
24108	302
24109	3419
24110	3423
24111	3425
24112	3420
24114	3430
24115	3486
24116	3492
24117	328
24118	3187
24119	3317
24132	130
24136	180
24137	198
24138	376
24139	2174
24140	2183
24141	2200
24142	187
24143	212
24144	2975
24145	74
21446	75
24147	76
24148	439
24149	451
24150-X	4193
24151	4069
24152	77
24153	458
24154	459
24155	431
24156	371
24157	3688
24158	475
24159	349
24160	227
24161	3020
24162	3022
24163	81

ENT-	Item
24164-X	4116
24165	3054
24166	2136
24167	2138
24168	2141
24169	2143
24170	2147
24171	2144
24172	2159
24173	2153
24174	2146
24175	2151
24176	2152
24177	2170
24178	3598
24179	3089
24180	8
24181	2613
24182-X	4199
24183	647
24184	3103
24185	3104
24186	2218
24187	3127
24189	2753
24190	2752
24191	2758
24193	693
24194	2636
24195-X	4124
24196-X	4200
24197	3137
24198	275
24199	3145
24200	725
24201	726
24202	98
24203	97
24204	751
24205	814
24206	816
24207	3774
24208	3188
24209	939
24210	2778
24211	958
24212	959
24213	3215
24214	2091
24215	3240
24216	116
24217	297
24218	1219
24219	3266
24220	3270
24221	3272
24222	2815
24223	2461
24224	2482
24225	2492
24226	2494
24227	2497
24228	3274
24229	3275
24230	3276
24231	3277
24232	1269
24233	2500
24234	3278
24235	3279
24236	119
24237	118
24238	1236
24239	1239
24240	1241
24241	1487
24242	1247

ENT-	Item
24243	1249
24244	2502
24245	2506
24246	2820
24247	122
24249-X	4415
24250	306
24251	1276
24252	309
24253	34
24254	1314
24255	1332
24256	1340
24257	1342
24258	3316
24259	2685
24260	128
24261	1353
24262	1361
24263	1372
24264	1373
24265	1397
24266	3324
24267	1408
24268	1409
24269	2668
24270	2521
24271	1410
24272	1412
24273	1420
24274	1429
24275	1444
24276	3331
24277	3334
24278	2687
24279	1486
24280	3338
24281	3339
24282	3340
24283	140
24284	3342
24285	3343
24286	2525
24287	2526
24288	3355
24289	3356
24290	319
24292	2690
24293	2534
24294	1561
24295	1598
24296-X	4512
24297-X	4543
24298-X	4548
24299-X	4553
24300-X	4554
24301-X	4563
24302-X	4572
24303-X	4577
24304-X	4580
24305-X	4593
24306-X	4599
24307-X	4605
24308-X	4607
24309-X	4608
24310-Xa	4612
24310-Xb	4613
24310-Xc	4614
24311-X	4648
24312-X	4650
24313-X	4652
24314-X	4653
24315-X	4654
24316-X	4663
24317-X	4664
24318-X	4666
24319-X	4668

ENT-	Item
24320-X	4673
24321-X	4688
24322-Xa	4693
24322-Xb	4692
24323-X	4694
24324-X	4703
24325-X	4704
24326-X	4706
24327-X	4718
24328-X	4719
24329-X	4720
24330-X	4724
24331-X	4726
24332	1617
24333	1618
24334	3952
24335	2913
24336	2915
24337	2706
24338	2711
24339	1730
24340	2553
24341	2554
24342	3408
24343	3411
24344	2934
24345	3427
24346-X	4755
24347	3448
24348	3282
24349	1809
24350	229
24351	1815
24352	1816
24353	1839
24354	1840
24355	1843
24356	1861
24357	1864
24358	1838
24359	2943
24360	3487
24361	3489
24362-X	4777
24363	2944
24364-X	4779
24365	3502
24366	157
24367	331
24368	159
24369	1907
24370	1900
24372	3511
24373	2721
24374	62
24375	4034
24376	165
24377	1953
24378	67
24379	335
24380	339
24381	1954
24382	1973
24383	3569
24384	3577
24385	3578
24386	3587
24387	3588
24388	2040
24389	2041
24390	2046
24391	2047
24392	3286
24393	3292
24394	3304
24395	3580
24396	3019

ENT-	Item
24402-X	4383
24403	44
24404-X	4125
24405-X	4127
24406-X	4270
24407-X	4407
24408-X	4406
24409-X	4405
24410-X	4404
24411-X	4408
24412-X	4678
24413-X	4859
24414-X	4438
24430	2740
24433	2768
24434	1259
24436	1260
24472	2145
24473	724
24474	3879
24475	301
24476	2552
24477	2717
24478	1811
24479	3018
24480	2786
24483	49
24486	37
24487-X	4513
24488-X	4705
24489-X	4569
24490-X	4575
24491-X	4604
24492-X	4611
24494-X	4656
24495-X	4660
24497-X	4697
24498-X	4722
24500-X	4196
24502	3422
24503-X	4590
24504-X	4591
24505-X	4687
24506-X	4728
24507-X	4558
24508-X	4752
24509-X	4753
24510-X	4491
24511-X	4734
24512-X	4228
24513-X	4254
24514-X	4501
24524-X	4250
24525-X	4251
24526-X	4646
24527-X	4647
24528-X	4378
24529-X	4796
24530-X	4822
24531-X	4824
24532-X	4825
24533-X	4823
24558	4068
24559	3959
24568	3597
24574	3144
24575	3139
24576	3140
24589	2024
24590-X	4252
24591-X	4255
24592-X	4447
24593-X	4448
24594	59
24615	3844

ENT-	Item
24616	126
24617	311
24618	2902
24619	151
24620	129
24621	1763
24622	2527
24623	3982
24625	3919
24629	3298
24630	3293
24631	3386
24632	3374
24634	3585
24635	3490
24636	3586
24637	3239
24638	3301
24640	3302
24641	3141
24642	3143
24643	3575
24644	3529
24645	3528
24647	3470
24648	3531
24649	313
24655-X	4606
24656-X	4643
24657-X	4644
24658-X	4649
24659-X	4669
24660-X	4670
24661-X	4671
24662-X	4667
24663-X	4596
24663-Xa	4595
24690	324
24692	3851
24696	20
24697-X	4484
24698-X	4321
24698-Xa	4540
24699-X	4476
24700-X	4778
24701-X	4485
24703	3312
24705-X	4760
24706-Xa	4620
24706-Xb	4621
24707-X	4712
24708	2238
24709	2855
24710	2856
24711	2857
24712	2878
24713	2894
24714	2697
24728	3169
24730	194
24731	196
24732	208
24733	195
24734	210
24735	222
24736	207
24737	221
24738	179
24739	206
24740	209
24741	185
24742	292
24743	287
24744	1346
24745	312
24746	293
24747	1890

ENT-	Item
24748	1050
24749	655
24750	2594
24751	2541
24752	2595
24753	2430
24754	2402
24755	2407
24756	2648
24757	2445
24758	1810
24759	230
24760	282
24761	2705
24762	2385
24763	2413
24764	1728
24765	2677
24766	779
24767	767
24768	228
24769	2644
24770	2763
24771	2715
24772	2386
24773	2716
24774	2651
24775	3375
24776	1339
24777	2870
24778	2866
24779	1609
24780	2692
24781	2739
24782	2892
24783	2693
24784	226
24785	947
24786	946
24787	2794
24788	2798
24789	2784
24790	2638
24791	2639
24792	2760
24793	2754
24794	1613
24795	694
24796	2704
24797-X	4807
24809	3236
24810-X	4541
24811-X	4552
24812-X	4561
24813-X	4562
24814-X	4566
24815-X	4567
24816-X	4570
24817-X	4584
24818-X	4588
24819-X	4589
24820-X	4601
24821-X	4610
24822-X	4655
24823-X	4542
24824-X	4665
24825-X	4679
24826-X	4716
24829	4
24841-X	4814
24842-X	4815
24843-X	4538
24844	2938
24871	1108
24872	682
24873	684
24874	683

ENT-	Item
24879-X	4866
24884-X	4113
24885-X	4114
24886-X	4115
24887	15
24888	764
24889	1872
24890	1336
24891	3234
24892	4082
24893	4087
24894	3472
24895	2787
24896	2823
24897	2829
24898	2863
24899	2868
24900	2867
24901	2886
24902	2885
24903	2888
24904	2889
24905	2891
24906	2895
24907	2912
24918-X	4492
24919-X	4493
24920	2227
24922-X	4275
24923-X	4276
24924	3133
24925	3132
24926	3118
24927	3393
24928	3373
24929	3117
24930	3391
24931	3299
24932	3372
24933	3116
24934	3452
24946	1525
24947	2577
24966	1790
24971	1198
24972	1109
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