

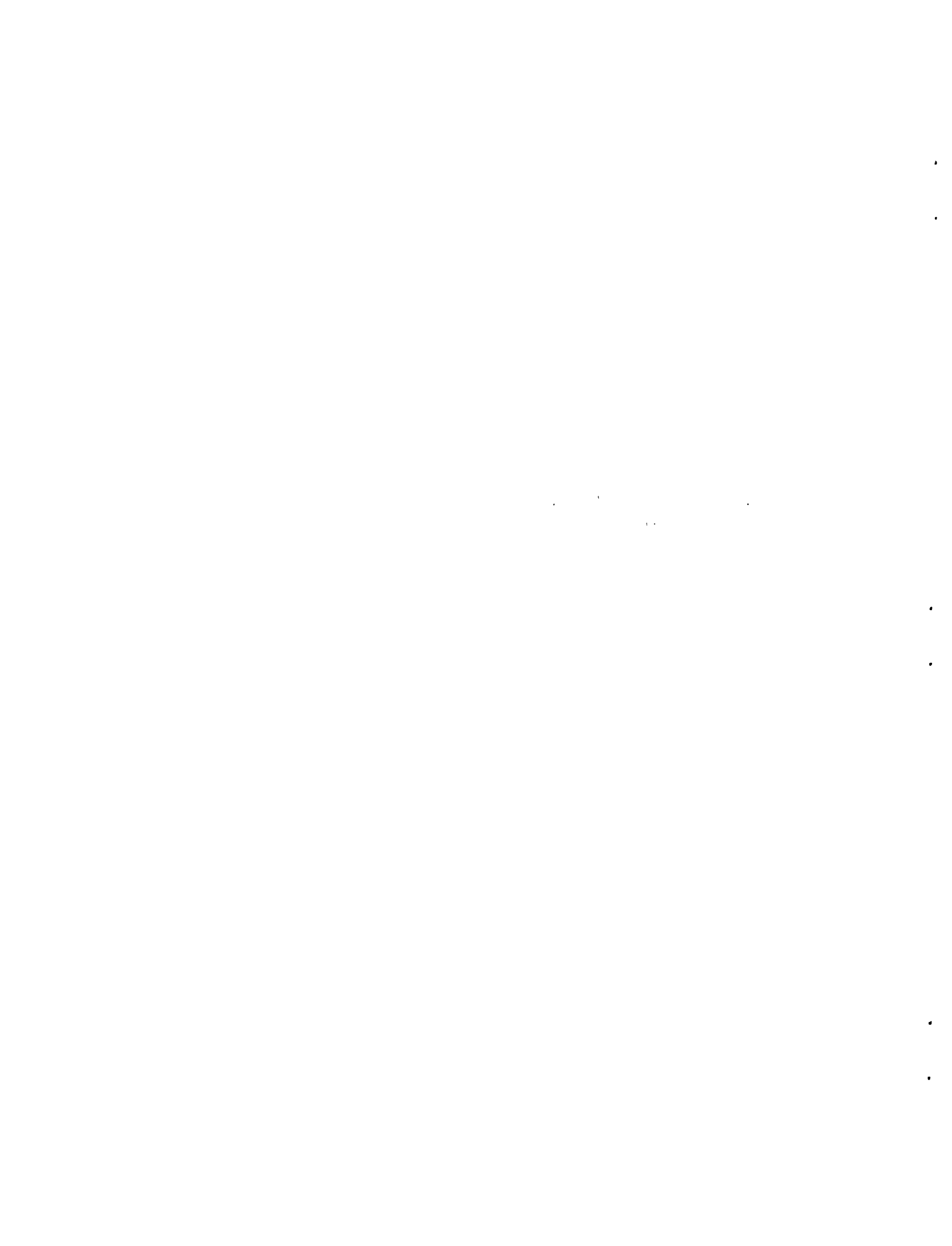
MARKETING CENTRAL ARIZONA GRAPES

1973 SEASON

FEDERAL-STATE MARKET NEW SERVICE

U. S. Department of Agriculture
Agricultural Marketing Service
Fruit and Vegetable Division

Arizona Fruit and Vegetable
Standardization Service
Bureau of Market News



F O R E W O R D

This publication presents a brief synopsis of information pertinent to the marketing of the 1973 grape crop in Central Arizona. Since this summary was prepared near the end of the shipping season, it should be understood that some of the figures are not complete and subject to revision.

Preparation of this summary was by George M. Mason of the Federal-State Market News office in Phoenix, assisted by Bob Sweitzer, Yuma, Arizona and Jack Kloth, El Centro, California. Other sources of information include: The Arizona Fruit and Vegetable Standardization Service under the supervision of Mr. Loren J. Pike, Southern Pacific and Santa Fe Railroads, and the Phoenix weather bureau of the U.S. Department of Commerce.

We also wish to express our sincere appreciation to all grape growers, shippers and buyers for their fine cooperation and time which made these reports possible.

Additional copies of this summary may be obtained from the following offices:

Federal-State Market News
2720 West Weldon Avenue
Phoenix, AZ 85017

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CENTRAL ARIZONA GRAPES - 1973 SEASON

The FOB grape prices during the 1973 season in Central Arizona ranged from \$1.00-1.50 lower per lug than the previous season. The season started approximately three weeks later than 1972 account the cool weather during the spring months. This also affected the quality and berry size of many offerings. Some tonnage was lost or damaged due to widely scattered showers during the period from July 10-12. Some hail damage was reported during this period in a few localities. The United Farm Workers Union picketed many of the vineyards throughout most of the season. Although both the Coachella Valley in California and Central Arizona season were late, the starting time for Central California was about normal. Daily national shipments during July were much heavier than the 1972 July movement.

The bearing acreage in Central Arizona was slightly higher for Thompson Seedless and Exotics, but slightly lower for Cardinals and Perlettes. The over-all acreage in Western Arizona was about the same as last year.

Listed below are the weekly shipments by rail and truck, and a weekly price range for Thompson Seedless, Cardinals and Exotics in 22 pound lugs for the 1973 season in Central Arizona.

<u>WEEK ENDING</u>	<u>SHIPMENTS (All Varieties)</u>			<u>WEEKLY PRICE RANGE</u>		
	Rail	Truck	Total	TSdls	Cards	Exotics
June 23	-	16	16			
30	16	36	52		7.00-8.00	
July 7	36	54	90	6.50-7.00	5.50-7.00	8.00
14	86	89	175	6.00-6.50	5.00-6.00	7.00-8.00
21	81	105	186	5.00-6.00	4.50-5.50	6.50-7.50
28	34	34	68	5.00-6.00		6.50-7.00
Aug 4	-	12	12			
11	-	1	1			

Interstate shipments for Central Arizona totaled 600 including 253 cars by rail and 347 carlot equivalents by truck as compared to 290 cars and 425 by truck during the 1972 season. The movement in Western Arizona was slightly heavier than the previous season. The carlot equivalent factor for a truck was based on 1250 lugs. A rail car or rail-truck (piggyback) was counted as one car regardless of the lading. Lugs generally were 22 pound net weight.

The preliminary average yield per acre for all varieties was lower in Central Arizona and higher in Western Arizona as compared to last year.

The interstate movement for Central Arizona totaled 759,507 lugs for all varieties and the total for Western Arizona was 256,434 lugs.

Listed below are the dates of the season's start and the peak day by variety and for the past two years.

<u>VARIETY</u>	<u>START</u>		<u>PEAK DAY</u>	
	1973	1972	1973	1972
Robins	June 18	May 31	June 22 (2,656)	June 2 (1,727)
Perlettes	June 19	May 21	July 7 (7,317)	June 3 (11,540)
Cardinals	June 19	May 21	July 3 (8,980)	June 7 (8,330)
Thompson Sdls	June 29	June 5	July 18 (36,492)	June 28 (46,254)
Exotics	July 5	June 12	July 18 (9,040)	July 3 (9,458)

The peak day in 1973 for all varieties in Central Arizona totaled 47,452 lugs on July 18. The first day with 20,000 lugs or more was July 1 and the last 20,000 lug day was July 23. The last shipment of grapes from Central Arizona was by truck on August 5.

Grapes offered for auction at various terminals continued to decline. The 5 auction cities sold 31,873 lugs of Arizona grapes in 1973 as compared to 40,577 in 1972. Returns from all varieties were much lower than the previous season.

Interstate shipments by rail and truck for previous grape seasons were as follows:

<u>YEAR</u>	<u>RAIL</u>	<u>TRUCK</u>	<u>TOTAL</u>
1973	253	347	600
1972	290	425	715
1971	336	431	767
1970	299	319	618
1969	532	329	861
1968	508	392	900
1967	529	427	956
1966	568	279	847
1965	602	246	848
1964	500	198	698
1963	564	242	806
1962	404	166	570
1961	315	135	450

CENTRAL & WESTERN ARIZONA BEARING GRAPE ACREAGE AT HARVEST TIME
LUGS SHIPPED INTERSTATE, AVERAGE LUGS PER
ACRE SHIPPED INTERSTATE
1967-1973 SEASONS

<u>C E N T R A L A R I Z O N A</u>			
SEASON	ACRES	LUGS SHIPPED INTERSTATE	LUGS PER ACRE SHIPPED INTERSTATE
1973	3,079	751,766	244
1972	2,904	951,886	328
1971	2,990	1,038,035	350
1970	3,584	863,495	241
1969	3,983	1,144,065	287
1968	4,080	1,173,905	288
1967	4,040	1,256,286	311
<u>W E S T E R N A R I Z O N A</u>			
1973	995	256,434	258
1972	1,004	232,258	231
1971	1,004	251,765	251
1970	658	117,677	179
1969	800	106,967	124
1968	442	42,454	96
1967	155	24,111	156

Source: Arizona Fruit & Vegetable Standardization Service.

ARIZONA GRAPE BEARING ACREAGE AT HARVEST TIME
BY VARIETIES 1973, 1972 & 1971

<u>CENTRAL ARIZONA</u>	<u>1973</u>	<u>1972</u>	<u>1971</u>
Thompson Sdls	1958	1821	1898
Cardinals	532	528	545
Perlettes	353	359	321
Exotics	221	181	211
Robins	15	15	15
TOTAL	3079	2904	2990
<u>WESTERN ARIZONA</u>			
Thompson Sdls	614	617	617
Cardinals	136	139	139
Perlettes	213	216	216
Exotics	32	32	32
TOTAL	995	1004	1004
<u>TOTAL ARIZONA</u>			
Thompson Sdls	2572	2438	2515
Cardinals	668	667	684
Perlettes	566	575	537
Exotics	253	213	243
Robins	15	15	15
TOTAL	4074	3908	3994

Source: Arizona Fruit and Vegetable Standardization Service.

Table 3

PACKAGES GRAPES SHIPPED BY VARIETIES CENTRAL AND WESTERN
ARIZONA AND COACHELLA DISTRICT 1973 & 1972 SEASONS

	<u>CENTRAL ARIZONA</u>		<u>WESTERN ARIZONA</u>		<u>COACHELLA VLY</u>	
	<u>1973</u>	<u>1972</u>	<u>1973</u>	<u>1972</u>	<u>1973</u>	<u>1972</u>
Robins	9,142	6,750	-	-	35,010	42,245
Perlettes	88,397	84,402	65,173	42,486	1,426,802	1,309,618
Cardinals	103,464	120,237	24,784	26,853	195,848	265,733
Thompson Sdls	500,208	654,971	161,067	157,719	1,144,154	1,168,354
Exotics	50,555	85,526	5,410	5,200	37,230	28,051
Beauty Sdls	-	-	-	-	51,113	66,838
Misc Varieties	-	-	-	-	19,871	12,857
TOTALS	751,766	951,886	256,434	232,258	2,910,028	2,893,696

Source: Arizona Fruit and Vegetable Standardization Service.

Source: Coachella Valley - Federal-State Market News office, El Centro, California.
Miscellaneous Varieties include Imperial Reds, Berenda Reds, Richard Blacks, Delights, Superior Seedless and Ribiers.
Coachella 1973 figures thru July 25, 1973.
Arizona 1973 figures thru July 31, 1973.

SHIPPING POINT PRICES CENTRAL ARIZONA GRAPES BY VARIETIES
AND DAYS JUNE 25 TO JULY 28
22 lb Lugs

Date	PERLETTES		CARDINALS		THOMPSON SEEDLESS		EXOTICS	
	Range	Mostly	Range	Mostly	Range	Mostly	Range	Mostly
June 25	7.50-8.00	8.00						
26	7.50		8.00					
27	7.50		8.00					
28	7.50		8.00					
29	7.50		7.00-8.00	8.00				
July 2	7.00		6.50-7.00					
3	7.00		6.50-7.00	6.50				
5	6.50		6.00-6.50		7.00		8.00	
6	6.00-6.50		5.50-6.50	6.00	6.50-7.00		8.00	
9			5.50-6.00	5.50	6.00-6.50		8.00	
10			5.00-6.00	5.50	6.00-6.50	6.00	7.00-8.00	
11			5.00-6.00	5.50	6.00-6.50	6.00	7.00-8.00	
12			5.00-5.50		6.00-6.50	6.00	7.00-7.50	
13			5.00-5.50		6.00-6.50	6.00	7.00-7.50	
16			4.50-5.50	5.00-5.50	5.00-6.00	6.00	6.50-7.50	
17			4.50-5.50		5.00-6.00	6.00	6.50-7.50	
18			4.50-5.50		5.00-6.00	5.50-6.00	6.50-7.00	
19			4.50-5.50		5.00-6.00	5.50-6.00	6.50-7.00	
20			4.50-5.50		5.00-6.00	5.50-6.00	6.50-7.00	
23			4.50-5.50		5.00-6.00	5.00-5.50	6.50-7.00	
24					5.00-5.50		6.50	
25					5.00		6.50	
26					5.00		6.50	
27					5.00			
28	Last Report				5.00			

Table 5

SHIPPING POINT PRICES COACHELLA VALLEY
CALIFORNIA GRAPES BY VARIETIES JUNE 8 TO JULY 20
22 lb Lugs

Date	PERLETTES	CARDINALS	THOMPSON SEEDLESS	BEAUTY SEEDLESS	EXOTICS
June 8	12.50				
11	11.00				
12	10.00-11.00				
13	10.00-11.00				
14	9.00-10.00	11.00-12.00		11.00-12.00	
15	9.00-10.00	11.00		11.00	
18	8.00-9.00	10.00-11.00		9.00-10.00	
19	8.00-8.50	9.00-10.00		9.00-10.00	
20	8.00-8.50	9.00-10.00		9.00-9.50	
21	8.00	9.00		9.00	
22	7.50-8.00	8.00-9.00		8.00-9.00	
25	7.50-8.00	8.00-9.00		8.00	
26	7.50-8.00	8.00		8.00	
27	7.00-7.50	7.00-8.00		7.00-8.00	
28	6.50-7.50	7.00-7.50		7.00-7.50	
29	6.00-7.00	7.00		7.00	
July 2	6.00-7.00	6.00-7.00	7.00-7.50	6.00-7.00	
3	5.00-6.00	5.50-6.50	6.50-7.00	6.00-6.50	
5	5.00-6.00	5.50-6.00	6.00-7.00	5.50-6.00	8.00
6	4.50-5.50	5.00-6.00	6.00-6.50	5.00-6.00	8.00
9		5.00-6.00	6.00-6.50	5.50-6.00	8.00
10		5.00-6.00	5.50-6.00	5.50-6.00	8.00
11		5.00-5.50	5.50-6.00	5.00-5.50	8.00
12		5.00-5.50	5.50-6.00	5.00-5.50	7.50-8.00
13		5.00-5.50	5.50-6.00		7.50-8.00
16		4.50-5.00	5.00-5.50		7.50-8.00
17		4.50-5.00	5.00-5.50		7.50-8.00
18		4.50-5.00	4.50-5.50		7.50-8.00
19		4.50-5.00	4.50-5.00		7.50-8.00
20	Last Report		4.50-5.00		

Table 6

RAIL & TRUCK SHIPMENTS OF GRAPES BY DISTRICTS AND DAYS JUNE 4-JULY 31, 1973

DATE	CENTRAL ARIZONA			WESTERN ARIZONA			COACHELLA VLY			CENT CALIFORNIA			TOTAL U. S.			WEST MEXICO
	Rail	Truck	Total	Rail	Truck	Total	Rail	Truck	Total	Rail	Truck	Total	Rail	Truck	Total	
June 4								3	3					3	3	
5								3	3					3	3	
6								2	2					4	4	
7								4	4					9	9	
8								9	9					1	1	
9								1	1							
10																
11								37	37					37	37	
12							1	33	34				1	33	34	2
13						1	2	47	49			2	2	48	50	2
14						1	4	47	53			6	6	51	57	2
15						3	3	6	73	79			6	76	82	2
16						4	4	1	8	9			1	12	13	2
17						1	1	1		1			1	1	2	
18		1	1			1	1	12	69	81			12	71	83	3
19		1	1			2	2	8	78	86			8	81	89	2
20		2	2			3	4	23	53	76			24	58	82	4
21		3	3			4	5	16	76	92			17	83	100	6
22		7	7			8	8	11	56	67			11	71	82	7
23		2	2			2	2	17	17	34			19	24	43	7
24		2	2			2	2						2	5	7	6
25		2	2			1	1	9	95	104			10	97	107	1
26		2	2			2	2	18	49	67			20	55	75	2
27		3	3			2	2	11	51	62			14	57	71	7
28		6	6					15	56	71			17	62	79	6
29		10	11			6	6	19	64	83		1	20	81	101	2
30		7	13				1	22	13	35			29	20	49	15
July 1	3	1	4			1	1	2		2			5	2	7	7
2	3	4	7			1	1	12	56	68			16	63	79	9
3	4	10	14			2	2	11	44	55			15	58	73	8
4	2	5	7			2	2	8	43	51			12	51	63	7
5	3	11	14			3	3	20	60	80			27	79	106	11
6	7	14	21			2	2	25	54	79			33	68	101	16
7	14	16	30			4	6	9	44	53			25	66	91	14
8	7	3	10					1		1			8	3	11	
9	14	5	19			3	4	22	49	71			40	64	104	8
10	13	9	22			1	3	23	49	72			41	61	102	4
11	15	14	29			3	5	24	60	84			43	83	126	5
12	10	16	26			1	5	25	46	71			42	73	115	11
13	14	24	38			7	4	20	29	49			41	65	106	4
14	13	18	31			10	4	25	31	56			44	65	109	5
15	7	5	12			2	4	3		3			17	8	25	
16	15	11	26			4	5	21	57	78			43	85	128	7
17	19	18	37			5	8	17	49	66			47	87	134	4
18	14	19	33			2	2	20	43	63			46	82	128	3
19	8	10	18			3	8	10	27	37			30	65	95	5
20	11	22	33			6	10	12	52	64			46	113	159	2
21	7	20	27			4	4	10	18	28			35	72	107	
22	6	6	12					6		6			15	7	22	
23	12	6	18			5	5	7	28	35			48	89	137	2
24	6	6	12			3	8	6	26	32			48	83	131	1
25	4	5	9			5	5	3	13	16			36	85	121	1
26	3	7	10			4	4	5	8	13			45	79	124	
27	2	3	5			3	3						46	72	118	
28	1	1	2			1	1						16	38	54	
29		3	3										8	9	17	
30		3	3										28	74	102	
31		2	2										28	62	90	
TOTAL	253	342	595	61	134	195	545	1830	2375	335	650	985	1194	2956	4150	212

MOVEMENT GRAPES FROM COACHELLA VALLEY BY DAYS AND VARIETIES 1973 SEASON

DATE	COACHELLA VALLEY---LUGS						*Other Varieties	TOTAL
	Perlettes	Cardinals	Bty Sdls	Robins	Th. Sdls	Exotics		
PRIOR TO								
JUNE 4	1,106							1,106
June 4	2,933						650	3,583
5	1,952						997	2,949
6	2,154				545		239	2,938
7	2,926			499	1,202		-	4,627
8	8,805	217		895	504		1,035	11,456
9	630	-		-	175		200	1,005
11	43,258	1,158		545	605		1,198	46,764
12	36,736	1,185	1,444	2,634			965	42,964
13	52,547	1,619	1,844	3,345			1,795	61,150
14	62,444	518	2,181	1,355			306	66,804
15	73,252	3,634	3,520	5,123			151	85,680
16	10,194	-	600	2,092			-	12,886
18	90,444	5,338	3,015	2,165			175	101,137
19	72,191	5,470	1,289	3,567			448	82,965
20	81,326	8,000	1,142	2,031			646	93,145
21	100,510	8,541	2,762	1,410			1,800	115,023
22	72,827	7,212	1,686	1,336			700	83,761
23	23,045	2,262	768	1,661			1,650	29,386
25	111,525	12,130	3,694	2,771			450	130,570
26	69,364	10,973	2,056	1,177			-	83,570
27	66,283	7,887	2,489	684	450		400	78,193
28	72,953	7,742	1,349	91	5,110		1,114	88,359
29	86,329	10,817	3,378	337	2,746	111	120	103,838
30	36,060	6,263	2,721	-	1,797	-	-	46,841
July 2	60,486	5,163	1,539	200	17,960	150	-	85,498
3	34,517	5,555	1,311	-	27,504	300	-	69,187
4	37,187	6,047	1,248	-	17,563	1,127	-	63,172
5	34,464	11,646	2,543	-	45,530	2,864	-	97,047
6	25,181	10,477	1,407	-	57,469	4,750	-	99,284
7	15,750	4,001	860	-	42,348	4,400	-	67,359
9	13,296	8,174	721	-	65,158	1,753	1	89,105
10	8,563	7,944	909	-	65,995	5,109	1,621	90,141
11	10,745	7,807	217	-	81,642	4,753	1,030	106,194
12	225	4,522	1,722	-	80,409	1,717	-	88,595
13	1,441	3,766	75	-	52,226	2,152	1,370	61,030
14	598	4,008	60	-	67,339	2,336	-	74,341
16	1,053	4,394	200	-	89,804	1,911	530	97,892
17	-	2,726	375	-	78,931	941	180	83,153
18	-	2,253	-	-	75,567	465	-	78,285
19	1,500	1,081	-	-	42,905	777	-	46,263
20	-	2,943	-	-	75,564	1,009	-	79,516
21	-	755	-	-	34,638	150	-	35,543
23	-	815	49	-	42,937	430	-	44,231
24	-	506	-	-	39,304	25	100	39,935
25	-	-	-	-	17,906	-	-	17,906
26	-	299	-	-	15,352	-	-	15,651
TOTAL	1,426,802	195,848	51,113	35,010	1,144,154	37,230	19,871	2,910,028

Source: Daily wires from Federal-State Market News Service, El Centro, California.
 *Berenda Reds, Imperial Reds, Superior Seedless, Richard Blacks, Delights, and Ribiers.

All figures are preliminary and subject to correction. Total to date thru July 26 include some corrections not shown in daily figures.

PACKAGE MOVEMENT OF CENTRAL ARIZONA GRAPES BY DAYS AND VARIETIES 1973 SEASON

DATE	TH. SDLS	PERLETTES	EXOTICS	CARDINALS	ROBINS	TOTAL
June 18					847	847
19		404		21	967	1,392
20		2,400		-	531	2,931
21		3,520		-	-	3,520
22		4,813		750	2,656	8,219
23		2,720		50	-	2,770
24		5,865		726	-	6,591
25		1,380		60	1,260	2,700
26		6,898		500	1,491	8,889
27		5,580		2,973	-	8,553
28		5,885		4,053	1,137	11,075
29	400	6,568		8,370	253	15,591
30	3,045	6,220		8,095	-	17,360
July 1	3,882	-		917	-	4,799
2	2,870	4,560		3,120	-	10,550
3	5,480	6,985		8,980	-	21,445
4	2,131	3,720		1,917	-	7,768
5	12,345	1,460	795	6,735	-	21,335
6	7,570	2,940	360	7,240	-	18,110
7	21,355	7,317	1,520	7,560	-	37,752
8	7,905	2,829	616	1,816	-	13,166
9	17,770	-	1,866	3,479	-	23,115
10	23,786	1,790	1,844	2,421	-	29,841
11	26,890	60	485	1,895	-	29,330
12	26,680	2,568	2,710	2,540	-	34,498
13	32,281	1,440	5,903	6,582	-	46,206
14	30,801	325	4,452	2,340	-	37,918
15	14,872	-	1,305	1,040	-	17,217
16	26,721	-	3,509	2,180	-	32,410
17	29,839	-	4,839	3,916	-	38,594
18	36,492	150	9,040	1,770	-	47,452
19	16,839	-	1,320	570	-	18,729
20	33,020	-	6,955	2,367	-	42,342
21	27,116	-	1,212	1,145	-	29,473
22	5,062	-	137	2,067	-	7,266
23	26,098	-	805	1,657	-	28,560
24	14,186	-	100	1,741	-	16,027
25	6,121	-	100	260	-	6,481
26	18,246	-	160	291	-	18,697
27	4,586	-	10	635	-	5,231
28	5,923	-	292	345	-	6,560
29	3,721	-	50	125	-	3,896
30	3,600	-	-	-	-	3,600
31	2,575	-	170	215	-	2,960
TOTAL	500,208	88,397	50,555	103,464	9,142	751,766

Source: Arizona Fruit and Vegetable Standardization Service.
Lug count thru July 31.

PACKAGE MOVEMENT OF WESTERN ARIZONA GRAPES BY DAYS AND VARIETIES
AND TOTAL DAILY PACKAGES FROM CENTRAL ARIZONA AND WESTERN ARIZONA FOR THE 1973 SEASON

DATE	TH. SDLS	PERLETTES	EXOTICS	CARDINALS	TOTAL	TOTAL CENT & WEST ARIZ
June 12		150			150	150
13		1,238			1,238	1,238
14		4,519			4,519	4,519
15		3,182			3,182	3,182
16		4,419			4,419	4,419
17		1,630			1,630	1,630
18		1,258			1,456	2,303
19		2,550		198	2,550	3,942
20		5,205			5,205	8,136
21		6,615		100	6,715	10,235
22		8,715		1,370	10,085	18,304
23		7,247		1,215	8,462	11,232
24		1,692		225	1,917	8,508
25		1,560			1,560	4,260
26		1,875			1,875	10,764
27		1,651		700	2,351	10,904
28						11,075
29	425	4,725	200	2,495	7,845	23,436
30		75		1,440	1,515	18,875
July 1		720	474	290	1,484	6,283
2	3,905		25	55	3,985	14,535
3	300	1,600	60		1,960	23,405
4	2,130	2,755	83	350	5,318	13,086
5	8,169	1,792	370	1,370	11,701	33,036
6	910			982	2,050	22,052
7	6,676		489	1,425	8,590	46,342
8	200			250	450	13,616
9	4,102			25	4,127	27,242
10	1,600		700	1,000	3,300	33,141
11	4,810		140	535	5,485	34,815
12	495		515	1,315	2,325	36,823
13	5,675		260	725	6,660	52,866
14	11,294		25	2,634	13,953	51,871
15	3,623		110	1,863	5,596	22,813
16	6,818			150	6,968	39,378
17	7,407		200	1,315	8,922	47,516
18	2,086		95	74	2,255	49,707
19	13,107			960	14,067	32,796
20	10,680			25	10,705	53,047
21	11,760		320	139	12,219	41,692
22	5,265				5,265	12,531
23	10,405		150	50	10,605	39,165
24	12,771		105		12,876	28,903
25	11,480			25	11,505	17,986
26	6,407		48	150	6,605	25,302
27	6,821		59	266	7,146	12,377
28	1,746				1,746	8,306
29						3,896
30						3,600
31						2,960
TOTAL	161,067	65,173	5,410	24,784	256,434	1,008,200

Source: Arizona Fruit and Vegetable Standardization Service.
Lug count thru July 31.

Table 10

RAIL AND TRUCK UNLOADS OF GRAPES IN 41 U.S. CITIES AND 5 CANADIAN CITIES CALENDAR YEAR 1972

CITY	RAIL				TOTAL	TRUCK				TOTAL
	ARIZ	CAL	CHILE	OTH		ARIZ	CAL	CHILE	OTH	
Albany, N.Y.	1	34	-	-	35	2	42	9	6	59
Atlanta, Ga.	-	8	-	-	8	7	214	8	6	235
Baltimore, Md.	2	144	-	-	146	-	42	4	2	48
Birmingham, Ala.	-	-	-	-	-	3	109	7	2	121
Boston, Mass.	26	526	-	-	552	6	87	37	7	137
Buffalo, N.Y.	8	130	-	-	138	1	28	-	9	38
Chicago, Ill.	17	644	-	-	661	12	125	39	18	194
Cincinnati, Ohio	8	79	-	-	87	3	141	9	10	163
Cleveland, Ohio	8	203	-	-	211	6	168	20	3	197
Columbia, S.C.	-	5	-	-	5	1	104	-	2	107
Dallas, Texas	-	2	-	-	2	14	232	5	5	256
Denver, Colo.	-	-	-	-	-	18	185	4	10	217
Detroit, Mich.	11	327	-	-	338	4	255	45	2	306
Fort Worth, Texas	-	-	-	-	-	-	38	-	-	38
Houston, Texas	-	5	-	-	5	13	141	-	-	154
Indianapolis, Ind.	1	-	-	-	1	-	74	-	3	77
Kansas City, Mo.	-	1	-	-	1	1	197	1	-	199
Los Angeles, Calif.	-	-	-	-	-	29	1646	4	1	1680
Louisville, Ky.	-	6	-	-	6	1	75	1	3	80
Memphis, Tenn.	-	-	-	-	-	-	54	-	-	54
Miami, Fla.	4	49	-	-	53	1	219	8	2	230
Milwaukee, Wis.	6	29	-	-	35	-	58	1	14	73
Minneapolis, Minn.	14	40	-	-	54	2	149	-	15	166
Nashville, Tenn.	-	1	-	-	1	-	22	-	1	23
New Orleans, La.	-	6	-	-	6	4	167	7	-	178
New York, N.Y.	74	2232	475	22	2803	19	238	5	4	266
Oklahoma City, Okla.	-	-	-	-	-	-	63	1	3	67
Philadelphia, Pa.	11	519	-	-	530	2	148	36	12	198
Pittsburgh, Pa.	9	201	-	-	210	1	91	11	10	113
Portland, Oreg.	4	5	-	-	9	-	172	-	2	174
Providence, R.I.	2	60	-	-	62	1	22	-	-	23
St. Louis, Mo.	10	29	-	-	39	1	167	3	8	179
Salt Lake City, Utah	-	-	-	-	-	2	125	-	2	129
San Antonio, Texas	-	4	-	-	4	1	68	1	-	70
San Francisco, Calif	-	-	-	-	-	2	627	2	-	631
Seattle, Wash.	10	3	-	-	13	2	245	-	4	251
Washington, D.C.	2	78	-	-	80	1	112	4	4	121
TOTAL	228	5370	475	22	6095	160	6650	272	170	7252
Montreal, Que.	23	1202	-	104	1329	-	65	38	20	123
Ottawa, Ont.	-	65	-	-	65	-	60	3	13	76
Toronto, Ont.	27	1801	-	1	1829	1	74	69	29	173
Vancouver, B.C.	5	1	2	2	10	-	296	-	5	301
Winnipeg, Man.	-	2	-	4	6	3	165	-	8	176
TOTAL	55	3071	2	111	3239	4	660	110	75	849

Source: Fresh Fruit and Vegetable Unloads Totals for 41 cities U.S.D.A. 1972.

WHOLESALE PRICES FOR ARIZONA GRAPES IN MAJOR TERMINAL
MARKETS 1973 SEASON, BY DAYS

(Prices shown are of good merchantable quality and condition. Prices followed by (*) are either small or medium size; fair, ordinary, poor quality or condition, and holdovers.)

T H O M P S O N S E E D L E S S

DATE	BALTIMORE	BOSTON	CHICAGO	CINCINNATI	CLEVELAND	DALLAS	DETROIT
July							
5							
9		8.00-8.50		7.50-8.00			8.50-9.00
10		7.50-8.00*	8.50	7.50-8.00			7.50-8.00
11		9.00-9.50	8.00	8.25-8.50			
12		8.50-9.00	8.00	8.00-8.25		8.25	6.50-7.00*
13		9.00	8.00	8.00-8.25			6.50-7.00*
16	7.50-8.00	8.00-8.25	7.50			7.00-7.50	8.00
17	8.00	6.50-7.00*	7.00*			7.00-7.50	8.00
18	7.00-7.50	7.00-8.00	7.00*			7.00-7.50	7.00
19	7.00	6.50-7.50		6.00-6.50			6.50-7.00
20		6.50-7.00				6.50-7.50	7.00
23		7.50-8.00				6.50-7.50	6.50-7.00
24		6.00-7.00*	6.50		5.00-6.00*	5.75-6.50	6.50
25		7.00-8.00	6.50-7.00		5.00-6.00*	5.75-6.50	6.00-6.50
26		6.00-7.50	6.00-6.50		5.00-5.50*	5.75-6.50	6.50
27	6.00-6.50	6.00-6.50*	6.00		7.00-8.00	5.75-6.50	6.00-6.50
30		6.00-6.50*		6.00-6.50		5.75-6.50	6.00-6.50
DATE	DENVER	MINNEAPOLIS	NEW YORK	PHILADELPHIA	PITTSBURGH	ST. LOUIS	SAN FRANCISCO
July							
5							7.50-8.00
9		8.75-9.50			8.50-9.00	7.50	
10					8.00-8.50	7.50	
11		8.75-9.50	8.00		8.50	7.00-7.50	7.00-7.50
12			8.00	7.00-7.50*		7.00-7.25	
13	7.50-8.00	8.00-9.00	8.00			6.50-7.50	
16	7.50-8.50	8.75-9.50	8.00-8.50	7.50-8.00	8.50	6.00-6.25	
17	7.50-8.50		8.00-8.50		9.00	6.00-6.25	6.50-7.00
18	7.50-8.00	8.75-9.50	7.00-8.00		9.00	6.00-6.25	6.00-6.50
19			7.00-8.00	4.50-5.00*		6.00	6.00-6.50
20	7.50-8.00	8.75-9.50	7.00		8.50-9.00		
23	7.50-8.00	7.75-8.00			8.00		
24	7.50-8.00				8.00		
25					7.00-7.50		
26	7.50-8.00		7.00		7.00-7.50		
27	7.00-8.00			5.00*	7.00-7.50		
30			7.50		7.00		

Table 11 (Continued)

WHOLESALE PRICES FOR ARIZONA GRAPES IN MAJOR TERMINAL
MARKETS 1973 SEASON, BY DAYS

(Prices shown are of good merchantable quality and condition. Prices followed by (*) are either small or medium size; fair, ordinary, poor quality or condition, and holdovers.)

C A R D I N A L S

DATE	ATLANTA	BOSTON	CHICAGO	CINCINNATI	CLEVELAND	DALLAS
July						
2	9.00-9.50			9.00-9.25		8.00
3					8.00	8.50
5	8.00-8.50	7.50-8.00			9.00	8.50
6	8.00-8.50	7.00-7.50		7.00-7.50		8.50
9	7.00-8.00		7.50	7.50-8.00		8.50
10	7.00-7.50	5.00-6.00*	7.00*	7.50-8.00		7.50
11	7.00-7.50	5.00*		8.00-8.25		7.50
12	7.00-7.50	4.00-5.00*	7.00*	7.50-8.00		7.50
13	7.00-7.50	4.00-5.00*	7.00*	7.50-8.00		7.50
16	6.50	4.00-5.00*	7.00			6.25-7.00
17	6.50		7.00			6.25-7.00
18	6.50					6.25-7.00
19	6.00-6.50					6.00-7.00
20	6.00-6.50					6.00-7.00
23			7.00			6.00-7.00
24		4.50-5.00*	7.00			6.00-7.00
25						6.00-7.00
26				7.00		6.00-7.00
27					8.00-8.50	6.00-7.00
30				6.50		6.00-7.00
DATE	DETROIT	NEW ORLEANS	NEW YORK	PHILADELPHIA	PITTSBURGH	ST. LOUIS
July						
2		11.00			9.00-10.00	
3						
5	8.50	11.00	9.00		8.50-9.00	
6	8.00-8.50	10.00	8.50		8.50	
9	7.50-8.50	9.00-10.00		7.00	8.00-8.50	
10	7.50-8.00				8.00-8.50	
11					8.00	
12			5.00-5.50*		7.50-8.00	7.25-7.50
13	5.00-6.00*				7.50	7.50-7.75
16	6.00*			3.50-4.00*	7.50	6.50-7.00
17	6.00-7.00			3.00-3.50*		6.50-7.00
18	7.50	7.50			7.50-8.00	6.00-6.50
19	6.00-7.00	7.50		4.00*		7.00
20		8.00				7.00
23		7.50			8.00	7.00
24	7.00-7.25				8.00	7.00-7.50
25	6.00-6.50				7.00-8.00	7.00
26			7.50		8.00	6.75-7.00
27	5.00-5.50*		7.50		7.00-8.00	
30	5.50*		7.00		7.00-7.50	

WHOLESALE PRICES FOR ARIZONA GRAPES IN MAJOR TERMINAL
MARKETS 1973 SEASON, BY DAYS

(Prices shown are of good merchantable quality and condition. Prices followed by (*) are either small or medium size; fair, ordinary, poor quality or condition, and holdovers.)

P E R L E T T E S

DATE	ATLANTA	CINCINNATI	DALLAS	DETROIT	NEW YORK	NEW ORLEANS	PITTSBURGH
June							
15						12.00	
19						11.00-12.00	
22					12.00-13.00	11.00-12.00	
25						9.25	
26	8.50	9.50-10.00				9.25	
27	8.50	9.50-9.75	9.75			9.75	
28	8.50	9.00-10.00	8.50-8.75			9.75-10.00	9.00
29	8.50	9.00-9.50	8.50-8.75			9.00-10.00	
July							
2	8.00	9.00-9.50	8.00			9.00-9.50	9.00-9.50
3	7.50	8.50-9.00	7.50				8.00*
5	7.00-7.50	8.25-8.50	7.50	8.50-9.00	9.00	9.25-9.50	8.50-9.00
6	7.00-7.50	8.00	7.50	7.50-8.00	8.50	9.00-9.50	8.00
9	6.50-7.50		7.50	7.50-8.50			
10	6.00-7.00		4.50*	7.50-8.00		9.00-9.75	7.50-8.00
11	6.00-7.00			6.00-6.50*		9.00-9.75	
12	6.00-7.00	7.25		6.00-6.50*	5.00-6.00*	6.00*	
13	6.00-7.00	7.25			6.00*	6.00*	

E X O T I C S

DATE	BOSTON	CHICAGO	CINCINNATI	DALLAS	DENVER	PITTSBURGH	ST. LOUIS
June							
12				8.25			
13		10.00		8.25			9.00-9.25
16		9.00				9.00	9.00-9.25
17	9.00	8.50-9.00	8.50	8.00		9.50-10.00	9.00
18	7.00-9.00		7.50	8.00	10.00	9.00-10.00	9.00
19	8.00-9.00		7.50	7.75	10.00		9.00
20	8.00-9.00	8.00		7.75	10.00	9.00	9.00
23	9.50	8.00-8.50		7.75		9.00	9.00
24	6.00*	8.00			10.00	8.00	8.00
25					10.00	9.00	8.00-9.00
26	8.50-9.00		7.00		10.00	9.00	9.00
July							
27			7.50-8.25		9.00		

In foregoing tables showing wholesale prices by varieties by days, information obtained from daily market wires. Complete information for these days may be secured by writing direct to the Market News Service in the cities listed.

Table 12

AUCTION SALES: PACKAGES SOLD, PRICE RANGE AND AVERAGE PRICE, BY MARKET
ARIZONA GRAPES BY VARIETIES AND DAYS 1973 SEASON

DATE	Market	Pkgs	Price Range	Average	DATE	Market	Pkgs	Price Range	Average
<u>THOMPSON SEEDLESS</u>					<u>CARDINALS</u>				
July					June				
10	New York	1140	8.60-8.65	8.61	25	New York	200	10.10-10.15	10.12
12	New York	440	8.10-8.15	8.14	July 5	New York	1500	6.60-6.65	6.63
12	Chicago	668	3.10-3.15	3.12	11	New York	180	5.10-5.15	5.13
16	New York	2250	6.60-8.10	7.56	11	Detroit	230	All 6.00	6.00
18	New York	2160	5.20-9.00	6.66	12	New York	60	All 5.10	5.10
20	New York	2265	2.20-3.40	2.87	12	Detroit	340	All 5.50	5.50
23	Pittsburgh	1112	All 5.00	5.00	16	New York	430	All 3.60	3.60
23	New York	1055	5.10-7.10	5.33	18	New York	190	All 3.60	3.60
25	Pittsburgh	252	All 4.51	4.51	19	New York	320	2.60-3.35	3.21
26	New York	4310	3.00-5.15	4.36	25	New York	800	2.10-2.15	2.11
27	New York	60	All 3.10	3.10	25	Pittsburgh	200	All 4.83	4.83
31	New York	1410	3.35-4.30	3.48	26	New York	805	All 2.10	2.10
Aug 1	Pittsburgh	451	All 4.03	4.03	31	New York	1000	All 2.10	2.10
1	New York	1100	3.55-3.60	3.56	Aug 1	New York	755	All 2.10	2.10
TOTAL		18673		5.10	TOTAL		7010		3.95
<u>PERLETTES</u>					<u>EXOTICS</u>				
July					July				
2	New York	100	8.60-8.65	8.64	20	New York	230	4.25-4.85	4.33
9	New York	580	6.85-6.90	6.87	23	New York	370	3.35-5.65	4.34
16	Pittsburgh	820	All 5.00	5.00	25	Pittsburgh	200	All 4.07	4.07
25	New York	1090	2.10-2.50	2.47	26	New York	230	7.85-7.90	7.88
TOTAL		2590		4.49	TOTAL		3600		4.24

Note: Auctions sales through August 1, 1973 only.

Table 13

AUCTION SALES: PACKAGES SOLD AND SEASON AVERAGE PRICE BY VARIETIES ARIZONA GRAPES
1971-1973

	*1973		1972		1971	
	Packages	Average	Packages	Average	Packages	Average
Cardinals	7,010	3.95	5,190	5.73	4,835	5.78
Perlettes	2,590	4.49	4,175	9.88	3,945	8.54
Thompson Sdls	18,673	5.10	19,664	7.65	32,184	6.24
Exotics	3,600	4.24	11,548	6.54	9,860	6.29
SEASON TOTAL	31,873	4.70	40,577	7.32	50,824	6.38

Five Auctions - Chicago, Detroit, New York, Philadelphia, and Pittsburgh.

*Grape Auctions through August 1, 1973.

Table 14

21

DAILY MAXIMUM & MINIMUM TEMPERATURES AND PRECIPITATION
MAY, JUNE & JULY 1973, PHOENIX SKY HARBOR AIRPORT

DATE	M A Y			J U N E			J U L Y		
	Max	Min	Prec	Max	Min	Prec	Max	Min	Prec
1	78	51	-	93	64	-	111	82	-
2	89	54	-	91	64	-	115	87	-
3	97	57	-	95	65	-	111	88	-
4	94	58	-	97	65	-	113	91	-
5	81	65	T	104	69	-	113	87	-
6	80	52	-	108	72	-	109	89	-
7	90	56	-	111	73	-	107	85	-
8	94	60	-	114	73	-	109	88	-
9	98	60	-	111	74	-	112	83	-
10	101	63	-	107	76	-	111	88	T
11	102	64	-	103	75	-	107	82	.26
12	100	66	-	90	75	T	101	77	1.02
13	100	71	T	90	71	T	101	77	-
14	97	70	-	99	66	-	102	79	-
15	94	72	-	94	65	-	101	78	.02
16	97	69	-	97	60	-	99	80	T
17	101	70	-	99	64	-	101	77	T
18	104	70	-	102	65	-	104	77	-
19	105	70	-	102	73	-	106	76	-
20	102	72	-	108	69	-	109	80	-
21	97	68	-	109	82	-	106	75	-
22	97	67	-	109	73	-	102	69	-
23	99	64	-	108	79	-	107	70	-
24	98	66	-	108	75	-	108	71	-
25	97	64	-	112	76	-	110	75	-
26	92	71	-	111	77	-	106	82	-
27	101	67	-	114	78	-	107	80	T
28	102	71	-	115	80	-	104	79	-
29	105	72	-	109	81	-	105	84	T
30	105	72	-	109	85	-	99	80	T
31	96	69	.10				105	80	-
Average	96.5	65.2	.10	104.0	72.1	T	106.5	80.5	1.30
	80.9			88.1			93.5		

Table 15

AVERAGE MONTHLY TEMPERATURES AT SKY HARBOR AIRPORT
PHOENIX, ARIZONA FEBRUARY TO JULY
1968-1973

	<u>1973</u>	<u>1972</u>	<u>1971</u>	<u>1970</u>	<u>1969</u>	<u>1968</u>
February	57.5	59.1	56.3	60.2	53.0	59.7
March	56.6	70.6	63.3	59.5	56.9	59.9
April	67.2	71.4	66.5	64.7	68.5	66.7
May	80.9	78.3	73.3	79.6	78.3	76.6
June	88.1	87.8	85.3	87.9	84.2	86.2
July	93.5	94.4	94.9	95.0	93.1	90.2

Source: U.S. Dept. of Commerce, Environmental Data Service.