

U. S. Dept. of Agriculture
Consumer & Marketing
Service

Arizona Fruit and Vegetable
Standardization Service
Bureau of Market News

FEDERAL-STATE MARKET NEWS SERVICE

MARKETING CENTRAL ARIZONA GRAPES

BRIEF SUMMARY OF

1967 SEASON

J. C. Keller
Local Representative

--oo0oo-

Phoenix, Arizona
September, 1967

TABLE OF CONTENTS

Brief Review "Marketing Central Arizona Grapes 1967" Pages 1-2

Table No.		Page No.
1	Shipping Point Prices Central Arizona, Coachella Valley Kern County, Grapes by Varieties and Days June 9 to July 28, 1967	3
2	Wholesale Prices for Arizona Grapes in Major Terminal Markets 1967 Season, by Days	4-5
3	Auction Sales; Packages Sold, Price Range and Average Price, by Market Arizona Grapes by Varieties and Days 1967 Season	6-7
4	Auction Sales; Packages Sold and Season Average Price by Varieties Arizona Grapes 1965-1967 and Season Totals all Varieties 1962-1967	7
5	Packages Grapes Shipped (Rail & Truck Combined) by Varieties Central and Western Arizona and "Coachella-Imperial-Borrego" Districts 1967 & 1966 Seasons	7
6	Arizona Grape Bearing Acreage at Harvest Time by Varieties 1967, 1966 and 1965	8
7	Central Arizona Bearing Grape Acreage at Harvest Time Lugs Shipped Interstate, Average Lugs Per Acre Shipped Interstate and Tons Grapes Crushed for High Proof Alcohol 1961-1967 Seasons	8
8	Rail & Truck Shipments of Grapes by Districts and Days June 7 - July 31, 1967	9
9	Rail and Truck Shipments from Central and Western Arizona by Varieties and Days 1967 Season	10
10	Movement Grapes from Coachella Valley by Days and Varieties 1967 Season	11
11	Grapes; Production by States 1967 with Comparisons 1966 and Average 1961-1965.	12
12	Rail and Truck Unloads of Grapes in 41 U. S. Cities and 5 Canadian Cities Calendar Year 1966	12
13	Daily Maximum & Minimum Temperatures and Precipitation June & July 1967 Phoenix Sky Harbor Airport	13
14	Average Monthly Temperatures at Sky Harbor Airport Phoenix, Arizona February to July 1962-1967	13

MARKETING CENTRAL ARIZONA GRAPES - 1967 SEASON

Information contained in this brief review of the Central Arizona 1967 grape season was compiled mostly from data carried in the daily market reports issued by the Federal-State Market News office at Phoenix, Arizona and from information compiled by the Arizona Fruit and Vegetable Standardization Service at Phoenix, Arizona. Information was also used from Federal-State Market News releases from Coachella and Fresno, California; Crop Reporting Board of the U. S. Department of Agriculture; Southern Pacific and Santa Fe Railroads; and various other sources. Much of the information is preliminary and subject to revision.

- - - - -

Significant factors during the marketing of the 1967 Central Arizona grape crop were:

(1) Harvest came off about two weeks later than the previous season. Much lower average temperatures this year during April, May and June and slightly lower temperatures during July than last year was the main reason for the later harvest.

(2) Frequent scattered thunderstorms with varying amounts of rain occurred during the harvesting season. Some vineyards were hurt by the rains - others were not. Some suffered damage from rains early in the season. Some escaped damage until late in the harvesting season.

(3) Second largest bearing acreage on record.

(4) Yields per acre were the second highest in the past five years.

(5) Largest out-of-State movement on record - but below what could have moved if rains had not damaged quality.

(6) Highest prices in past five seasons.

Based on information compiled by the Arizona Fruit and Vegetable Standardization Service, bearing grapes for picking at harvest time in Central Arizona for 1967 totaled 4,040 acres as compared with 4,169 acres in 1966. This was the first time in the past several years when total acreage decreased rather than increased.

By varieties, 1967 and 1966 bearing acreages were, respectively, as follows; Thompson Seedless 2,729 and 2,972 acres, Cardinals 778 and 629 acres, Exotics 282 and 322 acres, Perlettes 204 and 204 acres, and Robins 47 and 42 acres.

The Central Arizona average yield per acre, based on movement out-of-State, for 1967 was 311 lugs as compared with 246 lugs last year. The average yields per acre for major varieties for 1967 and 1966, respectively, were as follows; Thompson Seedless 350 lugs and 253 lugs; Perlettes 290 and 297; Cardinals 207 and 179; and Exotics 214 and 256.

Movement of Central Arizona grapes out-of-State in 1967 for all varieties totaled 1,256,286 lugs as compared with 1,027,057 lugs in 1966. However, the increased tonnage for 1967 is not quite as large as the above figures indicate as most of the lugs in 1967 contained a net weight of 22 lbs., while during the 1966 season the lugs contained 22 to 26 lbs, mostly 24 to 26 lbs. net weights.

F.o.b. shipping point prices for Central Arizona grapes during the 1967 season were extremely variable, dependent more or less on quality, sugar content, size and appearance of the grapes. Price ranges by varieties per lug for the season were as follows; Thompson Seedless \$3.50 to \$6.50, Cardinals \$3.25 to \$5.50, Exotics \$4.00-\$6.50, Perlettes \$3.25 to \$6.00 and Robins \$4.00 to \$5.50. The foregoing prices apply to only that portion of the crop sold f.o.b. shipping point. A portion of the crop was marketed by using consignments, various types of joint deals, or by selling through auction markets in the terminal markets.

During the 1967 season auction sales of Arizona grapes in six large eastern markets averaged \$4.89 per lug for 48,263 lugs of all varieties. This compared with an average of \$3.76 per lug for 68,009 lugs in 1966, and an average of \$2.96 per lug for 126,457 lugs in 1965. Auction sales during the 1967 season accounted for approximately 3 percent of the out-of-State movement, as compared with 7 percent during the 1966 season and 13 percent in 1965. By varieties auction average prices for Arizona grapes for the 1967, 1966, and 1965 seasons, respectively, were as follows; Thompson Seedless \$4.93-\$3.37-\$2.76; Cardinals \$3.98-\$3.43-\$2.98; and Exotics \$5.28-\$4.04-\$3.13. There were no Arizona Perlettes or Robins sold on the auctions during the 1967 season.

Movement for Central Arizona grapes in 1967 totaled 529 cars by rail and 427 by truck for a total out-of-State movement of 956 cars. This was the largest movement of record. During the 1966 season rail and truck movement amounted to 847 carlot equivalents. Movement for the 1960 to 1967 seasons was as follows:

Year	Rail	Truck	Total
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
1960	317	69	386

Trucks for all seasons have been figured on the basis of 1,250 lugs per car.

There was again general use of gibberellic acid on Thompson Seedless variety to increase the size of the fruit,

Lugs used during the 1967 season were generally 22 lbs. in net weight. There were no crushings of packing house culls and vineyard strippings during the 1967 grape season.

SHIPPING POINT PRICES CENTRAL ARIZONA, COACHELLA VALLEY, KERN COUNTY
GRAPES BY VARIETIES AND DAYS JUNE 9 TO JULY 28

JUNE	CENTRAL ARIZONA (22# lugs)					COACHELLA VALLEY (22# lugs)		
	Robins	Perlettes	Cardinals	Th. Sdls.	Exotics	Perlettes	Cardinals	Th. Sdls.
9						9.00		
10								
11						9.00	8.50-9.00	
12						7.00-8.00	6.50-7.00	
13						6.50-8.00	6.50	
14						5.00-7.50	6.00	
15						5.00-7.50	6.00	
16	4.00-5.50							
17								
18								
19	4.00-5.50					4.50-7.00	5.50-6.00	
20	4.00-5.00					4.50-7.00	5.00	
21	4.00-5.00	5.00-6.00	4.00-5.50			4.50-7.00	5.00-5.50	
22	4.00-5.00	5.00-6.00	4.00-5.00			4.50-7.00	5.00	
23	4.50	5.00-6.00	4.00-5.00			4.00-7.00	4.50-5.00	
24								
25								
26		5.00-6.00	3.75-5.00			4.00-7.00	4.50	
27		4.50-5.50	3.50-4.75			4.00-7.00	4.00-4.50	
28		4.50-5.50	3.50-4.50			4.00-6.50	4.00-4.50	
29		4.50-5.50	3.50-4.50			3.50-6.50	4.00	6.00-6.50
30			3.50-4.50			3.50-5.50	4.00	6.50-7.50
JULY								
1								
2								
3		3.25-5.50	3.50-4.50	5.00-6.00			4.00	6.00-7.50
4								
5			3.25-4.00	5.00-6.00			4.00	6.00-7.50
6			3.25-4.50	3.50-6.50			4.00	5.00-7.00
7			3.00-4.50	4.00-6.50			4.00	5.00-7.00
8								
9								
10			3.25-4.50	4.00-6.00			4.00	4.50-6.50
11			3.50-5.00	4.00-6.00	5.25-6.50		4.00	4.50-6.50
12			3.25-5.00	3.75-6.00	5.00-6.00		4.00	4.50-6.50
13			3.50-4.75	4.00-6.00	5.00-6.00		4.00-4.50	4.50-6.50
14			4.00-4.50	4.00-5.50	5.00-5.50		4.50	4.00-5.50
15								
16								
17								4.00-5.50
18			Too few sales to quote.					4.00-5.50
19			3.50-4.75	3.50-5.50	5.00-5.50			4.00-5.50
20				4.00-5.50	5.00-5.50			4.00-5.50
21				4.00-5.50	5.00-5.50			4.00-5.50
22								
23								
24				4.00-5.75	5.00-5.50			4.00-5.00
25				4.00-5.50	5.00-5.50			4.00-5.00
26				4.00-5.50	4.00-5.50			4.00-5.00
								Last Report--4.00-5.00
								KERN DISTRICT (26# lugs)
26					First Report--	4.50-6.25	4.50-6.00	
27					Last Report--	4.00-5.50	4.50-6.00	
28						4.00-6.00	4.00-6.00	

Prices shown are the highest and lowest reported each day.

WHOLESALE PRICES FOR ARIZONA GRAPES IN MAJOR TERMINAL
MARKETS 1967 SEASON, BY DAYS

(Prices shown include the high and low price reported, regardless of quality.)

	<u>BOSTON</u>	<u>CHICAGO</u>	<u>CLEVEL.</u>	<u>DALLAS</u>	<u>DETROIT</u>	<u>NEW YORK</u>	<u>PHILA.</u>	<u>PITTS.</u>	<u>DENVER</u>
<u>T H O M P S O N S E E D L E S S</u>									
JUNE									
30									7.00
JULY									
3									7.00-7.50
4									
5						8.00			7.00-7.50
6					6.00-6.50	8.00			7.00-7.50
7					5.00			7.00	7.00
10	5.50-6.00			6.75-7.00	6.00-6.75		6.50	6.50-7.00	6.75-7.00
11	5.00-7.00	6.50	7.00-8.50	6.75-7.25	4.00-6.50	8.00	6.00	6.50	6.75-7.00
12	5.50-6.00		7.00-7.25	6.75-7.25	4.50-6.50				6.75-7.00
13	5.00-6.00		6.00-6.50	5.75-7.00	4.50-6.50	6.00-8.00		6.50-7.00	6.50
14	5.00		6.00-7.00	5.75-7.00	4.00-6.50	7.00	7.25-7.75	6.50	6.50
17	5.50-7.50	5.25-5.50	5.00-6.75	5.00-6.00	6.50	6.50-7.00	6.25	6.50-7.50	5.75-6.00
18	6.00-6.75		6.25-6.75	4.75-5.75		6.00-7.00		5.25-6.00	6.00
19	7.00-8.00	7.50		4.75-5.75		6.00-7.00	7.50	7.00-7.50	5.50-5.75
20	3.00-7.00	7.50-8.00	6.00-6.50	4.75-5.75	4.50-7.00			7.00	5.50-5.75
21	2.50-6.75		5.00-6.00	4.75-5.75	4.00-7.00			6.00-6.50	
24	4.50-7.25	5.00-8.00	4.00-7.00	4.75-6.00		6.50-7.00	5.75-7.00	6.50	5.00-5.50
25	4.50-6.00	7.50-8.00	5.00-6.00	4.75-6.00	5.00-6.50	6.00-6.50	6.00-7.00	5.50-6.00	5.00-5.50
26	3.00-6.00	6.75-7.75	2.00-6.00	4.75-6.00	5.00-6.00	5.50-6.00	5.00-6.50	5.50-6.00	5.00-5.50
27	3.00-6.75	4.50-7.75	4.00-6.00	4.75-6.00	5.00-6.75	4.00-6.50	4.00-6.00	5.50-6.00	5.00-5.50
28	3.50-6.50	6.75-7.75	4.00-5.50	5.50-6.50	5.00-6.00	4.00-6.00		4.50	5.50
31	3.50-6.00				5.75-6.50			4.50	4.00-6.00
AUG.									
1			4.00-5.00		5.50-5.75	3.25-6.00	5.25		
2									
3		3.50-5.50							
4		4.75-6.25							
<u>C A R D I N A L S</u>									
JUNE									
19						6.25-7.50			
20									
21				7.00-7.50					
22				6.75-7.50					
23				6.75-7.50					
26				5.50-5.75		6.00-6.50			
27				5.50-5.75		5.50			
28			5.75-6.00	5.50-5.75		5.75			
29			4.50-6.00	5.50					
30			4.50-6.00	5.50					
JULY									
3				5.50					
4									
5			4.50-6.00						
6			4.00-4.50	5.50-5.75	5.00-5.50				
7			4.00-6.00	5.50-5.75		5.50-5.75			
10			4.00-6.00	4.75-5.00	5.25-5.50	5.50		5.00	
11	6.00		4.00-5.50	4.25-5.25					
12	5.50-6.00	3.00-5.00	5.50	4.25-5.25	5.25-5.50				
13		3.50-5.00	4.25-5.50	4.25-5.00	5.00-5.50	5.00-6.00			
14	6.00	3.50-5.25	4.50-5.00	4.25-5.00	5.25	5.00		2.00-3.00	
17	5.00-5.50		6.00	4.25-5.00		4.50-5.00	6.50		3.50
18	5.50-6.50		4.50	4.50-5.00	5.50	4.50-5.00			3.50
19	5.00-5.50		6.00	4.50-5.00	5.00-5.50	3.50-4.50		5.00	3.50
20	6.00-6.50		4.50	4.50-5.00					3.50
21			4.50-4.75	4.50-5.00					
24	6.00-7.00			4.25-5.25			6.50		
25	5.00-7.00			4.25-5.25	7.00		6.50		
26				4.25-5.25					
27									
28				6.00-7.00					
31									
AUG.									
1			7.00-7.25						

(Continued)

WHOLESALE PRICES FOR ARIZONA GRAPES IN MAJOR TERMINAL
MARKETS 1967 SEASON, BY DAYS

(Prices shown include the high and low price reported, regardless of quality.)

	<u>BOSTON</u>	<u>CHICAGO</u>	<u>CLEVEL.</u>	<u>DALLAS</u>	<u>DETROIT</u>	<u>NEW YORK</u>	<u>PHILA.</u>	<u>PITTS.</u>	<u>DENVER</u>
<u>P E R L E T T E S</u>									
JUNE									
28			7.65-8.00						
29			7.65-8.00						
30			7.00-7.25						
JULY									
3							5.75-6.00		
4									
5		5.00	7.00						
6		4.25							
7		4.25							
10			4.50-5.00				5.75		
11	5.00-5.25		4.00-4.50	6.50			5.50-5.75		
12							5.00		
13			4.50-4.75				4.75		
14			4.00						
17			4.00-4.25						
<u>E X O T I C</u>									
JULY									
5							9.00		
6					6.00-6.50	8.50-9.00			
7									
10					5.75-6.00	7.50-8.00			6.50
11	7.50			6.50					6.50
12									
13			5.50-7.00	6.50				6.50-7.00	
14				6.50				6.50	
17			7.50-7.75						
18				6.00					
19	6.50-7.50	7.00-7.25	7.25-7.50	6.00					
20	7.50-8.50			6.00	7.00-7.50				
21					6.75-7.00				
24	7.50-8.50	6.50	7.00-7.50			7.00	7.00		
25	7.00-8.00	6.50-6.75	7.00-7.50		6.50-7.00	6.00	7.00-7.50	5.50-6.00	
26	7.00	6.50-6.75	7.00-7.50		6.50-7.00			6.00	
27	6.50-7.50		7.50			4.50-5.00	6.25-6.50	6.00	7.00
28	7.00-7.50		7.50		6.50-7.00			6.00	7.00
31	4.50-6.50						5.00-5.50	6.00	7.00
AUG.									
1						4.00-5.50			7.00
2									
3									7.00

Note: The foregoing wholesale prices were secured from daily wires moving over the Market News Service's leased wire circuit, and on some days may be incomplete. If complete price coverage is needed, request should be made direct to the Market News office in the market desired.

AUCTION SALES: PACKAGES SOLD, PRICE RANGE AND AVERAGE PRICE, BY MARKET
ARIZONA GRAPES BY VARIETIES AND DAYS 1967 SEASON

DATE	Market	Pkgs	Prc Rng	Ave.	Market	Pkgs	Prc Rng	Ave.	Market	Pkgs	Prc Rng	Ave.		
	<u>THOMPSON SEEDLESS</u>					<u>EXOTIC</u>					<u>CARDINALS</u>			
June 26									Detroit	638	ALL	5.50		
28									Detroit	373	4.50-5.55	5.47		
July 3	Pittsbgh	374	ALL	6.60					Pittsbgh	453	2.25-5.05	4.16		
6	Detroit	984	ALL	4.52	Detroit	186	ALL	5.80	Pittsbgh	395	1.00-3.15	1.64		
10	Detroit 615 ALL 2.65 Chicago 1140 5.30-5.35 5.32 Pittsbgh 265 ALL 7.00				Detroit 270 ALL 5.75 Chicago 100 6.65-6.70 6.65				Detroit 245 ALL 5.25 Chicago 500 3.65-4.55 4.09 New York 1575 2.60-2.65 2.62					
11	Pittsbgh 25 ALL 7.00													
12	Pittsbgh 158 6.25-6.30 6.28 Phila. 272 6.00-6.05 6.04				Chicago 200 4.50-4.55 4.52				Chicago 300 ALL 6.35 Detroit 185 ALL 5.25					
13	Pittsbgh 182 ALL 6.45 Chicago 1250 1.25-1.30 1.27				Chicago 197 ALL 5.75									
17	Chicago 700 4.75-4.80 4.77 New York 1030 7.15-7.20 7.17 Pittsbgh 190 ALL 7.25				Chicago 1150 4.50-6.55 5.37				Chicago 300 3.80-3.85 3.82					
19	Pittsbgh 300 6.00-6.05 6.03				Chicago 292 4.90-4.95 4.93									
20	Pittsbgh 340 ALL 5.00													
20	Chicago 1550 4.35-7.65 6.36				Chicago 400 4.80-6.35 5.97									
21					Chicago 200 ALL 4.50									
24	Chicago 1600 5.35-5.40 5.37 Phila. 242 4.00-4.05 4.04 Pittsbgh 105 ALL 4.00 Pittsbgh 1709 3.25-5.50 5.03 New York 1925 6.25-7.40 6.57				Phila. 155 4.75-4.80 4.76 Pittsbgh 530 4.00-6.30 5.34 New York 165 ALL 7.45				Phila. 193 5.00-5.05 5.01					
25	Chicago 1580 ALL 4.40 New York 465 6.55-6.60 6.57				New York 388 5.55-5.60 5.59									
26	New York 2760 6.05-6.80 6.29 Chicago 2900 4.50-6.80 5.90 Phila. 1340 3.50-3.55 3.55 Pittsbgh 805 ALL 6.00				Pittsbgh 370 6.25-6.30 6.25									
27	Pittsbgh 90 ALL 6.00 New York 935 6.85-6.90 6.86				New York 385 6.50-6.55 6.54									
31	Detroit 1440 ALL 3.50 New York 950 3.00-5.75 4.36 Pittsbgh 32 ALL 6.00				New York 1520 4.80-5.05 4.98									

(Table continued on next page.)

(continued)
 AUCTION SALES: PACKAGES SOLD, PRICE RANGE AND AVERAGE PRICE, BY MARKET
 ARIZONA GRAPES BY VARIETIES AND DAYS 1967 SEASON

DATE	THOMPSON SEEDLESS				EXOTIC				CARDINALS			
	Market	Pkgs	Prc Rng	Ave.	Market	Pkgs	Prc Rng	Ave.	Market	Pkgs	Prc Rng	Ave.
AUG. 2	New York	735	4.25-5.35	4.55	New York	975	4.90-6.80	5.68				
3	New York	1420	3.35-5.25	3.53	New York	260	ALL	6.50				
	Detroit	105	ALL	4.75								
4	New York	575	3.30-3.35	3.31	New York	200	3.05-3.10	3.06				
7	Chicago	1600	3.50-3.90	3.63								
10	New York	615	ALL	2.60	New York	480	3.25-3.30	3.26				
16	New York	1090	2.15-2.60	2.16	New York	290	3.40-3.45	3.43				
TOTAL		34393		4.93		8713		5.28		5157		3.98

Table 4
 AUCTION SALES: PACKAGES SOLD AND SEASON AVERAGE PRICE BY VARIETIES ARIZONA GRAPES 1965-1967
 AND SEASON TOTALS ALL VARIETIES 1962-1967

	1967		1966 ^{1/}		1965 ^{2/}	
	Packages	Average	Packages	Average	Packages	Average
Cardinals	5157	3.98	4141	3.43	21434	2.98
Perlettes	None	-	13210	4.46	11214	4.33
Thompson Seedless	34393	4.93	33287	3.37	70125	2.75
Exotic	8713	5.28	17371	4.04	16771	3.13
Robins	None	-	None	-	1065	5.50
SEASON TOTAL	48263	4.89	68009	3.76	126457	2.96
TOTALS PREVIOUS 3 YEARS:	1964 - 101572 lugs, 3.00 avg.		1963 - 98790 lugs, 4.82 avg.		1962 - 98628 lugs, 4.35 avg.	

^{1/} Thru 7/21/66 ^{2/} By varieties thru 7/5/65 - total is for entire season.

Table 5
 PACKAGES GRAPES SHIPPED (rail & truck combined) BY VARIETIES CENTRAL AND WESTERN
 ARIZONA AND "COACHELLA-IMPERIAL-BORREGO" DISTRICTS 1967 & 1966 SEASONS

	CENTRAL ARIZONA ^{1/}		WESTERN ARIZONA ^{1/}		"COACHELLA-IMPERIAL-BORREGO" ^{2/}	
	1967	1966	1967	1966	1967	1966
Robins	20839	31756			21416	-
Perlettes	59169	60660	5760	859	1065233	818909
Cardinal	161105	112376	2409	364	289364	262805
Th. Seedless	954786	739725	15623	6572	1321512	1201252
Exotic	60387	82540	319	700	8598	11318
Black Beauty					42569	38418
Delights					3394	3149
TOTALS	1256286	1027057	24111	8495	2752076	2335851

^{1/} Source: Arizona Fruit & Vegetable Standardization Service

^{2/} Source: Federal-State Market News Offices
 Coachella & Fresno, California

ARIZONA GRAPE BEARING ACREAGE AT HARVEST TIME
BY VARIETIES 1967, 1966 & 1965 ^{1/}

<u>CENTRAL ARIZONA</u>	<u>1967</u>	<u>1966</u>	<u>1965</u>
Thompsons	2729	2972	2821 ^{2/}
Cardinals	778	629	888
Perlettes	204	204	186
Exotics	282	322	391
Robins	47	42	59
<u>WESTERN ARIZONA</u>			
Thompsons	64	61	109
Cardinals	3	10	101
Perlettes	62	3	3
Exotics	26	7	17
<u>TOTAL ARIZONA</u>			
Thompsons	2793	3033	2930
Cardinals	781	639	989
Perlettes	266	207 ^{2/}	189
Exotics	308	329	408
Robins	47	42	59
TOTAL	4195	4250	4575

^{1/} Source: Arizona Fruit & Vegetable Standardization Service.

^{2/} Based on pre-harvest survey made in early April.

Table 7
CENTRAL ARIZONA BEARING GRAPE ACREAGE AT HARVEST TIME
LUGS SHIPPED INTERSTATE, AVERAGE LUGS PER
ACRE SHIPPED INTERSTATE AND TONS
GRAPES CRUSHED FOR HIGH
PROOF ALCOHOL
1961-1967 SEASONS

SEASON	ACRES	LUGS SHIPPED INTERSTATE	LUGS PER ACRE SHIPPED INTERSTATE	TONS (Packing house culls and vineyard strippings) CRUSHED FOR ALCOHOL
^{1/}	^{1/}	^{1/}	^{1/}	^{2/}
1961	1736	507,370	292	2,073
1962	1856	613,317	330	3,422
1963	2224	892,094	401	3,882
1964	3752	788,576	210	1,729
1965	4014	1,000,051	249	2,400
1966	4169	1,027,057 ^{3/}	246	None
1967	4040	1,256,286	311	None

^{1/} Source: Arizona Fruit & Vegetable Standardization Service.

^{2/} Source: Crushing Plant.

^{3/} Revised.

RAIL & TRUCK SHIPMENTS OF GRAPES BY DISTRICTS AND DAYS JUNE 7-JULY 31, 1967

	RAIL						TRUCK				
	CENT ARIZ	WEST ARIZ	SOUTH CALIF	IMP VLY	CENT CALIF	TOTAL U.S.	IMPORTS CHILE BOAT	CENT ARIZ	WEST ARIZ	COACHELLA	IMPORTS WEST MEXICO
<u>JUNE</u>					<u>Old Crop</u>						
7	-	-	1	-	3	4	-	-	-	9	-
8	-	-	3	-	4	7	-	-	-	13	1
9	-	-	3	-	3	6	-	-	-	16	1
10	-	-	-	-	1	1	-	-	-	22	2
11	-	-	-	-	-	-	-	-	-	-	2
12	-	-	7	-	2	9	-	-	-	18	2
13	-	-	15	-	1	16	-	-	-	22	3
14	-	-	21	-	1	22	-	-	1	33	3
15	1	-	15	2	-	18	-	1	-	26	2
16	1	1	12	-	1	15	-	2	1	39	4
17	2	-	23	-	-	25	-	3	1	47	4
18	-	-	2	1	-	3	4	-	-	3	2
19	2	-	27	1	-	29	-	2	-	34	-
20	1	-	47	1	-	49	-	2	-	28	2
21	7	-	27	2	-	36	-	3	1	33	1
22	3	-	26	-	1	30	-	-	-	29	1
23	3	-	38	-	1	42	-	2	-	16	2
24	3	-	18	-	-	21	-	1	-	14	1
25	3	-	1	2	-	6	-	4	-	-	-
26	4	-	14	-	2	22	-	5	-	28	-
27	6	-	21	1	-	28	-	4	2	32	-
28	10	-	19	-	-	29	-	5	-	13	-
29	10	2	18	2	-	32	-	3	-	34	-
30	7	-	1	-	-	8	-	6	2	43	-
<u>JULY</u>											
1	8	-	12	-	-	20	-	7	1	40	-
2	5	-	2	1	-	8	-	4	-	5	-
3	15	2	12	-	-	29	-	4	-	20	-
4	11	-	21	-	-	32	-	6	2	15	-
5	9	-	13	-	-	22	-	6	-	19	-
6	13	-	12	-	-	25	-	10	-	35	-
7	7	-	8	-	1	16	-	19	1	33	-
8	11	-	9	-	-	20	-	10	-	33	-
9	9	-	4	-	-	13	-	3	-	6	-
10	13	-	18	-	-	31	-	13	-	35	-
11	13	-	21	-	-	34	-	12	-	25	-
12	25	-	28	-	-	53	-	13	-	30	-
13	27	-	24	-	-	51	-	15	-	38	-
#14	31	-	11	-	-	42	-	19	-	38	-
#15	35	-	24	-	-	59	-	14	-	31	-
#16	-	-	-	-	-	-	-	17	-	8	-
#17	-	-	-	-	-	-	-	32	-	47	-
18	31	-	29	-	-	60	-	28	-	34	-
19	34	-	21	-	<u>New Crop</u>	55	-	15	-	32	-
20	36	-	20	1	2	59	-	17	-	28	-
21	21	-	21	-	-	42	-	23	-	32	-
22	16	-	14	-	4	44	-	13	-	22	-
23	11	-	11	-	-	22	-	1	-	7	-
24	21	-	16	-	8	45	-	12	-	24	-
25	14	-	17	-	14	45	-	9	-	11	-
26	19	-	5	-	18	42	-	10	-	36 (Last Report)	-
27	12	-	-	-	18	30	-	6	-	-	-
28	7	-	-	-	10	17	-	9	-	-	-
29	5	-	-	-	8	13	-	9	-	-	-
30	-	-	-	-	1	1	-	2	-	-	-
31	3	-	-	-	51	54	-	4	-	-	-
<u>AUG.</u>											
1	1	-	-	-	58	59	-	2	-	-	-
2	-	-	-	-	75	75	-	4	-	-	-
3	-	-	-	-	72	72	-	1	-	-	-
4	-	-	-	-	63	63	-	3	-	-	-
5	-	-	4	-	82	86	-	1	-	-	-
6	-	-	-	-	33	33	-	3	-	-	-
7	-	-	-	-	70	70	-	2	-	-	-
8	-	-	-	-	100	100	-	1	-	-	-
9	1	-	-	-	106	107	-	-	-	-	-
10	-	-	-	-	93	93	-	2	-	-	-
11	-	-	-	-	63	63	-	1	-	-	-
12	-	-	-	-	99	99	-	-	-	-	-
13	-	-	-	-	41	41	-	1	-	-	-

Incomplete account of work stoppage by railroad.

RAIL AND TRUCK SHIPMENTS FROM CENTRAL AND WESTERN ARIZONA
BY VARIETIES AND DAYS 1967 SEASON

DATE	CENTRAL ARIZONA ^{1/}										WESTERN ARIZONA ^{1/}					
	Robins		Cardinals		Perlettes		Th. Sdls.		Exotic		Cardinals		Perlettes		Th. Sdls.	
	Rl	Tr	Rl	Tr	Rl	Tr	Rl	Tr	Rl	Tr	Rl	Tr	Rl	Tr	Rl	Tr
JUNE																
14																
15	1			1												1
16	1	2														
17	2	2		1									1	1		
18																1
19	2			2												
20	1			2												
21	2	3	3		2							1				
22	1		2													
23			1	1	2	1										
24			1	1	2	1										
25			1	3	2	1										
26			2	4	4	1										
27			5	3	1	1										2
28			5	2	5	2		1								
29			4	2	5	1	1								2	
30			2	3	2	1	3	2								2
JULY																
1			1	4	2		5	3								1
2				1		2	5	1								
3			5	1	3	1	7	2							2	
4			4	3		1	7	2								2
5			3	2			6	4								
6			5	2		1	8	7								
7			2	9		1	4	9	1							1
8				2			11	8								
9			1	1			8	2								
10			1	3			12	10								
11			1	2			11	8	1	2						
12			2	2			22	9	1	2						
13			1	2			23	13	3							
14			1	2			29	15	1	2						
15			1				32	13	2	1						
16				1				14		2	2					
17				1				29		2	2					
18				1			29	25	2	2						
19				1			31	11	3	3						
20				1			32	14	4	2						
21				1			20	21	1	1						
22			1	1			14	11	1	1						
23							10	1	1	1						
24							19	12	2							
25							13	9	1							
26							18	9	1	1						
27							11	6	1							
28							6	9	1							
29							5	9								
30								2								
31							3	5								
AUG.																
1							1	2								
2								4								
3								1								
4								3								
5								1								
6								3								
7								2								
8								1								
9							1									
10								2								
11								1								
12																
13								1								
TOTAL																
1967	10	7	55	68	30	14	407	317	27	21	-	1	1	3	4	8
1966	11	9	43	54	41	12	447	184	26	20	-	-	-	-	-	8

^{1/} Source: Arizona Fruit & Vegetable Standardization Service.

MOVEMENT GRAPES FROM COACHELLA VALLEY BY DAYS AND VARIETIES 1967 SEASON 1/
 (Lugs - rail and truck combined)

DATE		COACHELLA VALLEY							
		LUGS							
		Perlettess	Cardinals	Th. Sdls.	Robins	Bl.Bty.	Exotic	Delight	Ribier
JUNE	Prior to June 1	4465							
	1	4998							
	2	5245							
	3	5224							
	4	460							
	5	12414							
	6	21120							
	7	12394			705	295			
	8	17072	3355			328			
	9	20828	1195		1238	1422			
	10	23715	980		1980	1425			
	11								
	12	27499	2025		2220	727			
	13	43132	3499		415	1192			
	14	50192	12224		4905	3277			
	15	45251	5965		2645	2525			
	16	55424	6406		1490	2835			
	17	71919	15127		1360	2980			
	18	5128	265			15			
	19	56814	17084		405	3148			
	20	76281	17699		210	3419			
	21	61925	12716		20	3017			
	22	53114	14802		79	2929			
	23	59171	17564			3585	165		
	24	49799	14142	700	25	1751	100		
	25	760	840						
	26	43589	7237	2653		1590	85		
	27	49510	13357	4226		1439	75		
	28	20548	10079	8114		1613		650	
	29	30494	20522	15234		585	50	600	
	30	22096	11437	26796		506		1050	
JULY									
	1	19069	12359	34034		683	259	1094	
	2	2845	479	5737		115			
	3	11750	5699	23040		257	212		
	4	6118	6695	33557		242	231		
	5	1049	11323	39213		235	177		
	6	661	10420	49718		4	254		
	7	1090	5757	46622			454		
	8	58	7446	45865			723		
	9	216	1119	11056					
	10		3822	64022			756		
	11	88	1500	57946			869		
	12	28	3279	69438			611		45
	13		6377	73692			50		
	14		1412	61587			569		
	15		1043	71452			167		
	16		425	9366			1120		212
	17		440	59846			1055		124
	18		117	81321			351		
	19		337	71087			65		
	20		455	63658			80		
	21		9	69230					
	22		327	58226			35		
	23			23468					
	24		99	51700			75		25
	25			35792					131
	26			53106					25
	27								

1/ Based on daily wires. All figures preliminary and slightly incomplete.

GRAPES: PRODUCTION BY STATES 1967 WITH COMPARISONS 1966 AND AVG. 1961-65

Source: Sept. 1, Crop Summary released Sept. 11, 1967, Crop Reporting Board, Statistical Reporting Service, U. S. D. A.

STATE	P R O D U C T I O N ^{1/}		
	Average 1961-65	1966	Indicated 1967
	TONS	TONS	TONS
New York	122,200	132,000	140,000
New Jersey	1,002	1,150	1,200
Pennsylvania	39,140	39,500	43,000
Ohio	16,100	17,000	17,000
Michigan	55,900	49,000	30,000
Iowa	492	240	-
Missouri	3,820	3,400	700
North Carolina	1,240	1,600	1,600
South Carolina	5,140	5,500	3,500
Georgia	1,070	1,350	1,100
Arkansas	6,660	6,000	8,500
Arizona	13,226	12,600	14,700
Washington	54,200	64,300	72,000
California, all	3,303,000	3,400,000	2,950,000
Wine varieties	619,800	665,000	600,000
Table varieties	562,400	560,000	450,000
Raisin varieties	2,120,800	2,175,000	1,900,000
Raisins ^{2/}	237,200	281,000	-
Not dried	1,056,400	987,000	-
United States	3,623,190	3,733,640	3,283,300

^{1/} Includes quantities unharvested on account of economic conditions, and excess cullage of harvested fruit.

^{2/} Dried basis: 1 ton of raisins is equivalent to 4.23 tons of fresh grapes for 1966 and 4.49 tons for the 1961-65 average.

Table 12

RAIL AND TRUCK UNLOADS OF GRAPES IN 41 U.S. CITIES AND 5 CANADIAN CITIES CALENDAR YEAR 1966*

RAIL-TRUCK		RAIL-TRUCK		RAIL-TRUCK		RAIL-TRUCK					
Albany NY	3	-	Denver	1	9	Minneapolis ^{1/}	18	1	San Francisco	^{3/}	-
Atlanta Ga	1	4	Detroit	22	-	Nashville	2	-	Seattle ^{4/}	-	-
Baltimore	14	-	Ft. Worth	1	-	New Orleans	1	-	Washington DC	12	-
Birmingham	3	-	Houston	1	-	New York City ^{2/66}	7	7	Wichita	-	1
Boston	35	-	Indianapolis	1	-	Philadelphia	31	1			
Buffalo	11	-	Kansas City	6	5	Pittsburgh	21	-	Montreal Que	51	-
Chicago	55	4	Los Angeles	-	16	Portland	1	1	Ottawa Ont	1	-
Cincinnati	7	-	Louisville	4	1	Providence	2	-	Toronto Ont.	11	-
Cleveland	14	1	Memphis	1	-	St. Louis	14	1	Vancouver BC	-	1
Columbia SC	-	1	Miami	-	-	Salt Lake City	-	-	Winnipeg Man.	-	-
Dallas	-	4	Milwaukee	1	-	San Antonio	-	2			
TOTAL										412	60

* Released March 1967 by Market News Branch, Fruit & Veg. Div., Consumer & Marketing Service, U. S. D. A., Washington DC. Note: 1967 unloads unavailable at time of release.

^{1/} Includes St. Paul Minn. ^{2/} Includes Newark NJ. ^{3/} Includes Oakland. ^{4/} Includes Tacoma.

DAILY MAXIMUM & MINIMUM TEMPERATURES AND PRECIPITATION
 JUNE & JULY, 1967 PHOENIX SKY HARBOR AIRPORT
 (By U. S. Dept. of Commerce, Weather Bureau, Phoenix Sky Harbor Airport)

JUNE				JULY			
Date	Max.	Min.	Prec.	Date	Max.	Min.	Prec.
1	90	57		1	110	74	
2	95	60		2	110	76	
3	90	66	.03	3	105	79	
4	100	73	Trace	4	107	82	
5	94	69		5	103	86	T
6	90	58		6	98	81	T
7	93	58		7	97	77	T
8	95	58		8	106	79	
9	93	60		9	100	82	
10	87	60		10	105	79	
11	90	58		11	103	72	.14
12	91	60		12	104	81	
13	87	62		13	105	81	
14	88	62		14	105	82	
15	94	61		15	103	82	T
16	99	65		16	104	75	.53
17	102	65		17	97	74	
18	81	67	.25	18	105	78	
19	93	68	.19	19	109	79	
20	97	70		20	109	78	
21	102	69		21	107	31	T
22	105	71		22	95	75	.24
23	103	73		23	102	79	
24	102	69		24	107	82	
25	101	78		25	106	85	T
26	99	74		26	96	80	T
27	103	75		27	100	82	
28	104	75		28	102	81	
29	106	72		29	106	83	
30	106	73		30	101	78	.04
				31	105	82	.04
AVERAGE	96.0	66.2			103.6	79.5	

Table 14

	AVERAGE MONTHLY TEMPERATURES AT SKY HARBOR AIRPORT PHOENIX, ARIZONA FEBRUARY TO JULY					
	1967	1966	1965	1964	1963	1962
February	55.7	49.7	52.4	49.3	60.2	55.7
March	62.8	61.2	56.1	56.5	61.0	56.0
April	62.4	69.8	63.4	65.2	65.8	72.3
May	75.1	80.1	71.8	73.7	80.0	73.5
June	81.1	86.8	79.0	82.6	81.7	83.1
July	91.6	93.0	91.0	90.6	92.0	90.2

1/ Source: U. S. Dept. of Commerce, Weather Bureau, Phoenix Sky Harbor Airport.