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MARKETING CENTRAL ARIZONA GRAPES

BRIEF SUMMARY OF

1971 SEASON

George Mason
Local Representative

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Phoenix, Arizona
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F O R E W A R D

This publication presents a brief synopsis of information pertinent to the marketing of the 1971 grape crop in Central Arizona. Since this summary was prepared prior to 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 Ace Gloe, 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 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

U.S.D.A., C & MS.,
FV DIV., Market News Br.
Washington, D.C. 20250



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MARKETING CENTRAL ARIZONA GRAPES - 1971 SEASON

It was a very good year in 1971 for the grape growers in Central Arizona. The best grape season financially in recent years combined excellent FOB shipping point prices throughout the season for all varieties with most satisfactory yields per acre. The quality, size and sugar content of the berries were generally good and the demand was active for all varieties until the final stages of harvesting when most offerings were second labels or smaller berries.

The bearing acreage in Central Arizona continued to decline, but acreage in Western Arizona increased approximately 50 per cent over the previous season. The Central Arizona acreage was estimated at 2990 as compared to 3584 in 1970 and 3983 in 1969. In Western Arizona, the bearing acreage was approximately 1004 acres for the present season as compared to 656 acres in 1970 and 860 acres in 1969.

The acreage in 1971 in Central Arizona included 1898 acres of Thompson Seedless, 545 acres of Cardinals, 321 acres Perlettes, 211 acres of Exotics, and 15 acres of Robins. The breakdown by variety for Western Arizona was as follows: 617 acres of Thompson Seedless, 139 acres Cardinals, 216 acres of Perlettes and 32 acres of Exotics.

Listed below are the weekly price range (Cardinals, Thompson Seedless and Exotics in 22 pound lugs), and the number of rail cars and trucks shipped by weeks for the 1971 season.

<u>WEEK ENDING</u>	<u>SHIPMENTS (all varieties)</u>			<u>WEEKLY PRICE RANGE</u>		
	Rail	Truck	Total	Cards	Tsdls	Exotic
June 19	19	24	43			
26	18	48	68	5.50-6.00	7.00-7.50	7.50-8.00
July 3	70	68	138	6.00-7.00	7.00-8.00	7.50-8.00
10	112	90	202	6.50-7.00	7.00-7.50	7.00-8.00
17	98	102	200	6.50-7.00	7.00-8.00	7.00-8.00
24	19	69	88		6.50-7.50	6.50-7.50
31	0	20	20			

Interstate shipments from Central Arizona totaled 767 cars including 336 by rail and 431 by truck as compared to 299 rail and 319 truck in 1970. The 1971 movement from Western Arizona was 195 cars and trucks which more than doubled the output in 1970. The truck conversion factor on the above comparison was based on 1250 lugs for a carlot equivalent. A rail car is counted as one car regardless of the lading which normally ranges from 1155 to 1650 lugs per car. Lugs used during the 1971 season were generally 22 pound net weight.

The preliminary average yield per acre in Central Arizona was approximately 347 lugs as compared to 240 lugs in 1970 and 287 lugs in 1969. Contributing factors to the high yield during this season were as follows: An active market at excellent prices, good quality and size and ideal growing weather with no rain during harvesting.

The movement out of state from Central Arizona through July 27 totaled 1,038,035 lugs as compared to 863,495 lugs in 1970 and 1,146,716 lugs in 1969. The 1971 total for Western Arizona was 251,765 lugs as compared to 117,677 lugs in 1970 and 106,967 lugs in 1969.

Listed below are the dates of the season's start, peak day, including number of lugs by variety for the past two years.

<u>VARIETY</u>	<u>START</u>		<u>PEAK DATE</u>	
	1971	1970	1971	1970
Robins	June 14	June 18	June 17(1600)	June 19(1440)
Perlettes	June 14	June 10	June 18(14,974)	June 24(11,758)
Cardinals	June 15	June 19	June 30(11,195)	June 30(14,207)
Thompson Sdls	June 22	June 22	July 7(54,190)	July 12(58,176)
Exotics	June 23	June 24	July 11(5,835)	July 21(6,333)

The peak day during the 1971 season totaled 63,823 lugs on July 7 for Central Arizona and 13,255 lugs for Western Arizona on July 3. The first day in Central Arizona with 20,00 lugs or more of all varieties was June 28 which was two days earlier than the first 20,000 lug day in 1970.

Auction sales during the 1971 season in the 5 large Eastern Markets (Chicago, Detroit, New York City, Philadelphia, and Pittsburgh) through July 27 averaged \$5.38 for all varieties as compared to \$3.96 in 1970 and \$3.47 in 1969. The number of lugs this season in the various auctions totaled 50,824 which was a sharp increase from approximately 23,000 lugs in 1970. The average auction price by variety was as follows: Perlettes \$8.54, Exotics \$6.29, Cardinals \$5.78, and Thompson Seedless \$6.24.

SHIPPING POINT PRICES CENTRAL ARIZONA GRAPES BY VARIETIES
AND DAYS JUNE 21 TO JULY 22
22 lb Lugs

Date	PERLETTES		CARDINALS		THOMPSON SEEDLESS		EXOTICS
	First Label	Second Label	First Label	Second Label	First Label	Second Label	First Label
June							
21	7.00	6.00	5.50-5.75				
22	6.50-7.00	6.00	5.50-6.00				
23	6.50-7.00	6.00	5.00-6.00		7.00-7.50		8.00
24	6.50-7.00	6.00	5.00-6.00		7.50		8.00
25	6.50-7.00	6.00	5.50-6.00		7.50		7.50-8.00
28			6.00	5.50	7.50		7.50
29			6.00-6.50		7.00-8.00		7.50-8.00
30			6.00-6.50		7.50	6.50	7.50-8.00
July							
1			6.50	5.50	7.50	6.50	7.50-8.00
2			6.50-7.00		7.50	6.50	7.50-8.00
6			6.50-7.00		7.50	6.50	7.50-8.00
7			6.50-7.00		7.00-7.50	6.00-6.50	7.50-8.00
8			6.50-7.00		7.00-7.50	5.50-6.50	7.00-8.00
9			6.50-7.00		7.00-7.50	5.50-6.50	7.00-8.00
12			6.50-7.00		7.00-7.50	5.50-6.50	7.00-8.00
13			6.50-7.00		7.00-8.00	5.50-6.50	7.00-7.50
14			6.50-7.00		7.00-7.50	5.50-6.00	7.00-7.50
15			6.50-7.00		7.00-8.00	5.50-6.00	7.00-7.50
16					7.00-8.00	5.50-6.00	7.00-7.50
19					7.00-7.50	5.00-6.00	7.00-7.50
20					6.50-7.50	4.50-6.00	7.00-7.50
21					6.50-7.50	4.50-6.00	7.00-7.50
22					6.50-7.00	4.50-6.00	6.50-7.00

Table 2

SHIPPING POINT PRICES COACHELLA VALLEY
CALIFORNIA GRAPES BY VARIETIES MAY 25 TO JULY 16
22 lb lugs

DATE	ROBINS	PERLETTES	CARDINALS	THOMPSON SEEDLESS	BEAUTY SEEDLESS
MAY					
25	12.50	12.00			12.50
26	11.00	11.00			
27	10.00	10.00			11.00
28	10.00	9.00-10.00			11.00
JUNE					
1	10.00	8.00			10.00
2	9.00	7.00			
3	8.00	7.00			9.00
4	8.00	7.00			9.00
7	7.00	7.00			8.00
8	6.50-7.00	6.50-7.00			8.00
9	6.50	6.50			7.50
10	6.50	6.50			7.50
11	6.00-6.50	6.50			7.50
14		6.50-7.00	6.00-6.50		7.00-7.50
15		7.00	6.00		7.00-7.50
16		6.50-7.00	5.50-6.00		6.50-7.00
17		6.50-7.00	5.50-6.00		6.50-7.00
18		6.50-7.00	5.50-6.00		6.50-7.00
21		6.00-7.00	5.50-6.00	7.00-8.00	6.50-7.00
22		6.00-7.00	5.50-6.00	7.00-8.00	6.50-7.00
23			5.50-6.00	7.00-8.00	6.50-7.00
24			5.50-6.00	7.00-8.00	6.50-7.00
25			5.50-6.00	7.00-8.00	7.00
28			6.00-6.50	7.00-8.00	
29			6.00-6.50	7.00-8.00	
30			6.00-6.50	7.00-8.00	
JULY					
1			6.00-6.50	7.00-8.00	
2			6.50	7.00-8.00	
6			6.50-7.00	7.00-7.50	
7			7.00	7.00-7.50	
8			7.00	7.00-7.50	
9			7.00	7.00-7.50	
12				7.00-8.00	
13				7.00-8.00	
14				7.00-8.00	
15				7.00-8.00	
16				7.00-8.00	

WHOLESALE PRICES FOR ARIZONA GRAPES IN MAJOR TERMINAL
MARKETS 1971 SEASON, BY DAYS

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

THOMPSON SEEDLESS (Per lug)

DATE	ATLANTA	BOSTON	CHICAGO	CINCINNATI	CLEVELAND	DALLAS	DETROIT
June 28		8.50	8.50			7.75	
29		8.50	8.00	8.50		7.75	
30		9.35-9.50	8.00	8.75-9.00		7.75	
July 1				8.00-8.50		7.75	
2			8.50	8.25-8.50	8.00-9.00	7.75	
6	7.00*	9.50	8.00-8.25		9.50	7.75	
7	7.00*	8.00-8.50			9.50	8.25-8.50	
8	7.00*	8.00-9.00	8.00		9.00-9.50	8.25-8.50	
9	6.50-7.00*	8.50			8.50-9.00	8.25-8.50	9.00
12	6.75-7.00*	9.00	8.50	9.00-9.25	8.50-9.00	8.25-8.50	8.50-8.75
13	6.75-7.00*	8.50-9.00	8.50	9.00-9.25	9.00-9.50	8.25-8.50	8.00-8.50
14	6.75-7.00*	9.50	8.50	9.00-9.25	9.00-9.50	8.25-8.50	8.00-9.00
15	6.50-7.00*	9.25-9.50	7.50-8.50	9.25-9.50	9.00-9.50	8.25-8.50	8.00-9.00
16	6.75-7.00*			9.00-9.25	9.50	8.25-8.50	8.00-8.50
19	7.00*	8.00-8.50	7.00-9.00	8.50-9.00	9.00-9.50	8.25-8.50	8.00-8.50
20		8.00-9.00	7.50-8.00	9.00-9.25	9.00-10.00	8.25-8.50	8.00-9.50
21	6.50-7.00*	8.75-9.25	7.50	8.75-9.00	9.00-10.00	8.25-8.50	7.00-7.50*
22	7.00-7.50*	8.50-9.50	7.50-8.25	8.75-9.00	9.00-10.00	8.25-8.50	
23		8.50-9.25	7.50-8.25	8.50-9.00	9.00-10.00		8.50-9.00
26	6.50-7.50*	8.00-9.00	7.50-8.25	8.25-9.00		8.25-8.50	8.50

	KANSAS CITY	LOUISVILLE	NEW ORLEANS	NEW YORK	PITTSBURGH	ST. LOUIS	WASHN: DC
June 29	8.00		8.50			7.00-7.75	
30	8.00		8.50			7.00*	
July 1	8.00-8.50		8.50	9.25-9.75			
2	8.00-8.50		8.00-8.50	9.25-9.50	9.00-9.50		
6	8.00-8.50		8.00-9.25	9.50		7.25*	9.00-9.50
7	8.00-8.50		8.00-9.25	8.75-9.25	9.00		9.00-9.50
8	8.00-8.50		8.00-9.25	8.00-9.00	8.50	8.00-8.50	9.00-9.50
9	8.00-8.50		8.00-9.00	8.50-8.75	8.50		9.00-9.50
12	7.50*		8.00-9.00	8.25-8.75	8.00-8.50	8.00-8.50	8.50-9.00
13	7.50*		8.00-9.00	8.50-8.75	8.00-8.50	8.00-8.25	8.50-9.00
14	7.50*		8.00-9.00	8.50-8.75	8.00-9.00	8.00-8.25	8.00-8.50
15	7.50*	8.00-8.50	8.00-9.00	8.25-8.75	8.00-8.50	8.00-8.50	8.00-8.50
16	8.00-8.50	8.00-8.50			8.00-8.50		8.00-8.50
19	7.50-8.00	8.00-8.50	8.00	8.00-8.25		7.75-8.50	7.50-8.00
20	7.50-8.00		9.75	7.50-8.00*	8.00-8.50	7.50-8.00	7.50-8.00
21	7.50-8.00	7.50-8.00	8.00	7.00-7.50*	8.00-8.75	7.50-8.00	8.00-8.50
22	7.50-8.00	7.00-7.50	8.00	6.75-7.50*	8.50	7.50-8.00	8.00-8.50
23	7.50-8.00	7.00-7.50	8.00	7.50*	8.50-9.00	7.50-8.00	8.00-8.50
26	7.50-8.00	8.00	8.00	7.00-8.00*	9.50-10.00	8.00-8.50	8.00-8.50

WHOLESALE PRICES FOR ARIZONA GRAPES IN MAJOR TERMINAL
MARKETS 1971 SEASON, BY DAYS

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

C A R D I N A L S (Per lug)

DATE	ATLANTA	BIRMINGHAM	BOSTON	CINCINNATI	CLEVELAND	DALLAS
June						
21	6.50*					
22	6.00-7.50*					
23	6.00-7.00*					
24	7.00*					
25	6.00-7.00*					
28	6.00-7.00*		7.50			
29	6.00-6.50*			8.25-8.50		
30	6.00-6.50*		7.50			
July						
1						
2	6.00-6.50*					
6	5.75-6.00	7.25-8.50				
7	5.75-6.00*	7.25-8.50				
8		7.25-8.50	7.50-8.00			8.00
9		7.25-8.50	7.50		8.00-8.50	8.00
12	5.25-5.75*	7.25-7.50	7.50	7.00-7.25	8.00-8.50	7.25-7.50
13	6.00-6.50*	7.25-7.50	7.00-7.50	7.50-8.00		7.25-7.50
14	6.50-7.00*	7.25-7.50	7.00*	7.25-7.50	7.50-8.50	7.25-7.50
15	6.50-7.00*		8.50	7.25-7.75	7.50-8.50	8.00
16	6.50-7.00*		7.50	7.00-7.50	7.50-8.50	8.00
19	6.50-7.00*		7.50		7.50-8.50	8.00
20		7.25-9.00	7.50		7.50-8.50	8.00
21	6.50-7.00*	7.25-9.00	7.00-7.50*		7.50-8.50	8.00
22	6.50-7.00*		7.00*			8.00
23		7.25-9.00	7.50-8.00			
26	8.00		7.50	8.00		8.00
	KANSAS CITY	NEW ORLEANS	NEW YORK	PITTSBURGH	ST. LOUIS	WASHN DC
June						
21		8.00	7.00-7.50*		8.25-8.50	
22		8.00	8.50			
23		8.00	8.00-8.50		6.00-6.50*	
24		8.00	8.00-8.50		7.00-7.50	
25		8.00	8.00-8.50			
28						7.50-7.75
29	8.50		7.00-7.50*			
30	8.50	8.00				
July						
1	8.50	7.75-8.00		7.50		
2	7.50	7.75-8.00		7.00-8.00		8.00-8.50
6	7.50	8.00		6.00*		8.00-8.50
7		8.00		5.00-6.00*		7.50-7.75
8		8.00	7.00*	5.00-6.00*		7.50
9		8.00		6.50*	8.00-8.25	
12		8.00		6.50-7.50		
13		8.00		7.75-8.00	8.25-8.50	
14		8.00		7.00-7.50*	8.00-8.50	
15		8.00		8.50-8.75		
16				8.00-8.50		
19						7.00-7.50
20						7.00-7.50
21						7.50-7.75
22						
23						7.50-7.75
26				9.50-10.00		

Table 3 (continued)

WHOLESALE PRICES FOR ARIZONA GRAPES IN MAJOR TERMINAL
MARKETS 1971 SEASON, BY DAYS

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

P E R L E T T E S

DATE	ATLANTA	BALTIMORE	CINCINNATI	CLEVELAND	KANSAS CITY	NEW ORLEANS	PHILADELPHIA
June							
18			9.25-9.50				
21	7.50*		9.00-9.25			8.00	
22	7.50*		9.00			8.00	
23	7.00-7.50*		9.00	9.00		8.00	
24	7.00*		9.00	9.00		8.00-8.50	
25	7.00*	9.00-9.25	8.75-9.00	9.00		7.75-9.00	
28	7.00*	9.00-9.25	8.50-8.75				6.00-6.25*
29	7.00*		8.50-8.75		8.50		6.00-6.25*
30	7.00*		8.25-8.50		8.50	7.50	
July							
1			7.25-8.00		8.50	7.50	
2	7.00*		7.25-7.50		8.50	7.50	
6	6.90-7.00*		7.00-7.50				
7	6.90-7.00*		7.25-7.50				

E X O T I C S

DATE	BALTIMORE	BOSTON	CINCINNATI	DALLAS	KANSAS CITY	NEW YORK CITY	PITTSBURGH
June							
29					9.50		
30		9.50			9.50	9.50-9.75	
July							
1					9.50	9.25-9.50	
2					9.50	9.25-9.50	9.00
6					9.00	8.75-9.25	10.00
7		9.00			9.00	8.75-9.25	
8		9.00-9.50			9.00	8.50-8.75	
9		9.25			9.00	8.75	
12		9.50	9.00-9.25	8.75-9.00		8.75	9.00
13		9.00	9.00-9.25	8.75-9.00			9.00
14	10.00	9.00	9.00-9.25	8.75-9.00			
15	9.50-10.00	8.50	9.00-9.25	8.75-9.00			8.00*
16		8.50-9.00	9.00-9.25	8.75-9.00	9.00		
19	9.00-9.50	8.50-9.50	8.50-8.75	8.75-9.00	9.00		9.00
20	8.50-9.00	8.00-9.00	8.50-8.75	8.75	9.00		8.00-9.00
21			8.50-9.00	8.75	9.00		8.00-9.00
22		8.50	8.50-9.00	8.75	9.00		8.00-8.50
23		9.00-9.50	8.50-9.00		9.00		
26	9.00	8.00-9.50	8.50-9.00	8.75	9.00	8.00-8.50	

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 4

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AUCTION SALES: PACKAGES SOLD, PRICE RANGE AND AVERAGE PRICE, BY MARKET
ARIZONA GRAPES BY VARIETIES AND DAYS 1971 SEASON

DATE	Market	Pkgs	Price Range	Average	DATE	Market	Pkgs	Price Range	Average
<u>THOMPSON SEEDLESS</u>					<u>EXOTICS</u>				
July 7	New York	1321	All 7.62	7.62	July 7	New York	259	All 7.23	7.23
12	Pittsbgh	571	All 3.75	8.75	12	New York	1775	8.35-9.30	8.43
	New York	2869	7.35-8.95	8.76	14	Philadel	690	6.75-6.80	6.79
13	New York	1500	7.35-7.40	7.38		New York	400	8.60-9.00	8.80
14	New York	3700	5.10-7.85	6.76	15	New York	200	All 9.40	9.40
15	New York	2905	4.10-7.30	6.35	19	Chicago	200	7.00-7.05	7.02
19	Pittsbgh	675	All 8.77	8.77	21	Philadel	300	7.30-7.35	7.34
	Chicago	1316	3.75-3.80	3.77	22	New York	2427	3.35-6.85	6.00
	New York	7140	4.75-7.30	5.46	26	Philadel	149	5.00-5.05	5.02
20	New York	510	4.35-4.40	4.38		New York	3460	2.85-6.40	4.66
21	Philadel	1275	7.00-7.05	7.03	Total		9860		6.29
22	Detroit	944	6.25-6.30	6.23	<u>CARDINALS</u>				
	Philadel	1420	4.50-4.55	4.53	June 28	New York	1200	5.70-6.80	6.01
	New York	499	3.40-8.05	5.89	30	New York	300	5.85-6.30	6.07
26	Pittsbgh	1514	All 8.96	8.96	July 1	New York	800	5.30-5.90	5.60
	Philadel	885	5.55-5.60	5.53	14	Philadel	737	5.50-5.55	5.54
	New York	2630	3.50-3.60	6.75	19	Pittsbgh	150	All 7.35	7.35
27	New York	490	All 6.83	6.88		New York	200	7.30-7.35	7.34
Total		32184		6.24	26	Philadel	398	5.00-5.05	5.00
June 23	New York	1365	3.85-3.90	8.88	Total		4835		5.78
24	New York	1500	3.60-3.35	8.74	<u>PERLETTES</u>				
29	Pittsbgh	1093	7.80-7.35	7.83	June 23	New York	1365	3.85-3.90	8.88
Total		3945		8.54	24	New York	1500	3.60-3.35	8.74

Note: Auctions sales through July 27, 1971 only.

Table 5

AUCTION SALES: PACKAGES SOLD AND SEASON AVERAGE PRICE BY VARIETIES ARIZONA GRAPES
1968-1971

	*1971 1/		1970 1/		1968 1/	
	Packages	Average	Packages	Average	Packages	Average
Cardinals	4,835	5.78	2,056	3.17	7,442	2.62
Perlettes	3,945	8.54	4,792	5.15	6,063	5.34
Th.Sdls.	32,184	6.24	15,685	3.74	42,825	3.30
Exotics	9,860	6.29	459	3.04	6,762	3.35
SEASON TOTAL	50,824	6.33	22,992	3.76	63,092	3.47

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

* Grape Auctions - through July 27, 1971.

Table 6

ARIZONA (PAPE BEARING ACREAGE AT HARVEST TIME
BY VARIETIES 1971, 1970 & 1969

<u>CENTRAL ARIZONA</u>			
	<u>1971</u>	<u>1970</u>	<u>1969</u>
Thompson Sdls	1893	2435	2786
Cardinals	545	568	667
Perlettes	321	259	199
Exotics	211	307	316
Robins	15	15	15
TOTAL	2990	3534	3983
<u>WESTERN ARIZONA</u>			
Thompson Sdls	617	384	531
Cardinals	139	128	141
Perlettes	216	135	148
Exotics	32	11	40
TOTAL	1004	658	860
<u>TOTAL ARIZONA</u>			
Thompson Sdls	2515	2819	3317
Cardinals	684	696	808
Perlettes	537	394	347
Exotics	243	318	356
Robins	15	15	15
TOTAL	3994	4242	4843

Source: Arizona Fruit and Vegetable Standardization Service.

Table 7

PACKAGES GRAPES SHIPPED BY VARIETIES CENTRAL AND WESTERN
ARIZONA AND COACHELLA DISTRICT 1971 & 1970 SEASONS

	<u>CENTRAL ARIZONA</u>		<u>WESTERN ARIZONA</u>		<u>COACHELLA VALLEY</u>	
	<u>1971</u>	<u>1970</u>	<u>1971</u>	<u>1970</u>	<u>1971</u>	<u>1970</u>
Robins	6135	7565	-	-	32616	36218
Perlettes	102959	73414	46350	44644	1305377	1236751
Cardinals	119061	119003	31278	17774	260053	243631
Thompson Sdls	741743	613453	169855	52963	1480728	1116303
Exotics	68032	50060	4282	2291	31399	16030
Beauty Sdls	-	-	-	-	50632	50326
Misc Variety	-	-	-	-	4303	5753
TOTALS	1038035	983495	251765	117677	3165108	2753062

Source: Arizona Fruit and Vegetable Standardization Service.

Source: Federal-State Market News Office, El Centro, California.
1971 figures incomplete thru July 27 only.

CENTRAL & WESTERN ARIZONA BEARING GRAPE ACREAGE AT HARVEST TIME
LUGS SHIPPED INTERSTATE, AVERAGE LUGS PER
ACRE SHIPPED INTERSTATE
1965-1971 SEASONS

<u>CENTRAL ARIZONA</u>			
SEASON	ACRES	LUGS SHIPPED INTERSTATE	LUGS PER ACRE SHIPPED INTERSTATE
1971	2990	1,038,035	347
1970	3584	863,495	241
1969	3933	1,144,065	287
1968	4080	1,173,905	288
1967	4040	1,256,286	311
1966	4169	1,027,057	246
1965	4014	1,000,051	249
<u>WESTERN ARIZONA</u>			
1971	1004	251,765	251
1970	658	117,677	179
1969	800	106,957	124
1968	442	42,454	96
1967	155	24,111	156
1966	81	8,495	105
1965	93	9,433	114

Source: Arizona Fruit & Vegetable Standardization Service.

Note: 1971 lug count through July 27.

RAIL & TRUCK SHIPMENTS OF GRAPES BY DISTRICTS AND DAYS JUNE 2-JULY 27, 1971

DATE	CENTRAL ARIZONA			WESTERN ARIZONA			COACHELLA VLY			CENT CALIFORNIA			TOTAL U. S.		
	Rail	Truck	Total	Rail	Truck	Total	Rail	Truck	Total	Rail	Truck	Total	Rail	Truck	Total
June															
2							10	40	50				10	40	50
3							10	58	68				10	58	68
4							13	48	61				13	48	61
5				-	3	3	15	31	46				15	34	49
6				-	-	-	4	30	34				4	30	34
7				1	1	2	21	43	64				22	44	66
8				-	3	3	24	64	88				24	67	91
9				1	5	6	19	74	93				20	79	99
10				-	6	6	14	63	77				14	69	83
11				3	3	6	12	55	67				15	58	73
12				1	4	5	26	23	49				27	27	54
13				-	1	1	4	-	4				4	1	5
14	1	1	2	2	5	7	20	53	73				23	59	82
15	2	1	3	-	2	2	14	42	56				16	45	61
16	5	2	7	1	1	2	12	51	63				18	54	72
17	4	5	9	-	-	-	9	51	60				13	57	70
18	3	8	11	-	3	3	4	54	58				7	65	72
19	4	7	11	-	-	-	12	34	46				16	41	57
20	1	5	6	-	-	-	-	-	-				1	5	6
21	3	8	11	2	3	5	13	51	64				18	62	80
22	2	7	9	1	-	1	10	40	50				13	47	60
23	2	5	7	3	6	9	10	53	63				15	64	79
24	4	6	10	1	5	6	6	57	63				11	68	79
25	3	7	10	-	6	6	7	57	64				10	70	80
26	3	10	13	4	5	9	9	64	73				16	79	95
27	5	8	13	1	1	2	1	-	1				7	9	16
28	8	7	15	1	4	5	18	64	82				27	75	102
29	8	15	23	2	7	9	24	27	51				34	49	83
30	21	6	27	2	7	9	20	46	66				43	59	102
July															
1	12	12	24	1	7	8	19	49	68				32	68	100
2	7	23	30	-	7	7	16	64	80				23	94	117
3	9	7	16	-	10	10	3	13	16				12	30	42
4	7	6	13	-	1	1	1	-	1				8	7	15
5	11	9	20	2	2	4	23	31	54				36	42	78
6	15	8	23	2	4	6	22	41	63				39	53	92
7	21	17	38	1	4	5	11	43	54				33	64	97
8	16	15	31	2	5	7	9	45	54				27	65	92
9	19	22	41	2	6	8	11	37	48				32	65	97
10	23	13	36	1	3	4	15	21	36	1	-	1	40	37	77
11	12	7	19	-	1	1	-	-	-	-	-	-	12	8	20
12	24	9	33	3	4	7	9	40	49	-	-	2	36	55	91
13	15	19	34	1	1	2	7	28	35	-	-	-	23	48	71
14	17	15	32	1	3	4	5	15	20	2	1	3	25	34	59
15	4	19	23	1	1	2	3	12	15	2	8	10	10	40	50
16	11	19	30	1	3	4	5	28	33	2	10	12	19	60	79
17	15	19	34	-	1	1	6	14	20	5	16	21	26	50	76
18	2	9	11	-	-	-	1	-	1	-	7	7	3	16	19
19	5	9	14	-	1	1	7	12	19	3	11	14	15	33	48
20	2	13	15	-	1	1	2	16	18	5	9	14	9	39	48
21	2	16	18	-	2	2	4	10	14	3	14	17	9	42	51
22	6	12	18	-	1	1	3	14	17	5	12	17	14	39	53
23	1	10	11	-	-	-	-	10	10	1	11	12	2	31	33
24	1	-	1	-	-	-	-	10	10	1	17	18	2	27	29
25	-	-	-	-	-	-	-	-	-	-	6	6	-	6	6
26	-	18	18	-	1	1	-	9	9	4	22	26	4	26	30
27	-	2	2	-	-	-	-	6	6	5	22	28	5	22	28
TOTAL	336	436	772	44	151	195	543	1841	2384	40	168	208	953	2516	3469

Table 10

MOVEMENT GRAPES FROM COACHELLA VALLEY BY DAYS AND VARIETIES 1971 SEASON 1/

DATE	COACHELLA VALLEY---LUGS						Other Varieties	TOTAL
	Perlettes	Cardinals	Th. Sdls	Robins	Bty Sdls	Exotics		
PREV MAY 25	3705	1024						
May 25	9690	675						
26	9295	833			306			
27	12968	1985			180			
28	33394	2074			559			
29	22394	1351		513	333			
31	25496	533		543	1655			
June 1	31328	2366		3984	1196			38784
2	53127	3955		3168	1652		10	61912
3	69156	3767		3605	2700		-	84244
4	66195	4432		1980	1770		-	74377
5	86422	9349		2515	1715		-	100001
7	64903	9279		2396	2015		-	78593
8	93116	9170		4600	2602		-	109488
9	92266	12706		2370	2964		-	110306
10	80049	11070		4583	2998		35	98735
11	79028	10322		2344	2790		-	194485
12	79053	9569		15	2350		70	91184
14	73644	13011			4160		-	90815
15	66025	12280	216		2037		485	81041
16	61105	12040	2700		2632		590	79067
17	52624	14713	5200		2025		500	74707
18	47333	10332	13516		1725		150	73056
19	36527	8980	10410		1643		-	57587
21	21481	12755	43440		1063		260	80074
22	12405	9075	39230		1437		50	62197
23	5465	8577	63510		1534		-	79191
24	1644	11830	62945		2047	851	-	79317
25	2242	8919	66673		1421	913	-	80168
26	1654	9126	30245		280	1390	-	92695
28	462	8065	35250		452	950	25	95204
29	459	3425	57945			1245	-	63074
30	36	3152	73088			2142	10	83428
July 1	993	2110	78778		280	2620	-	84781
2	841	2995	91177		35	4718	-	99766
3	-	355	18833		-	260	-	19938
5	761	1418	63497		-	2532	-	68258
6	745	755	75717		-	2081	-	79298
7	404	415	65252		44	1450	-	67565
8	-	1014	64657		-	1420	-	67091
9	-	604	54869		-	4294	-	59767
10	246	616	43472		5	1035	-	45374
12	56	540	59791			975	80	61442
13	-	615	41814			750	100	43279
14	-	150	23687			775	25	24637
15	-	-	18303			255	-	18553
16	8	336	34485			105	350	35284
17	-	160	17233			-	-	17443
19	-	75	22992			187	238	23492
20	-	850	21455			216	100	22521
21	-	-	18100			10	-	18110
22	-	75	20524			50	-	20649
23	-	75	12245			-	-	12320
24	-	300	12602			-	-	12902
26	-	-	11786			-	-	11786
TOTAL	1305377	260053	1480728	32616	50632	31399	4303	3165103

1/ Source: Daily wires from Federal-State Market News Service, El Centro, California.
 2/ Delights, Richard Blacks and Riblers, Brenda Reds and Superior Seedless.

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

Table 11

PACKAGE MOVEMENT OF CENTRAL ARIZONA GRAPES BY DAYS AND VARIETIES 1971 SEASON

	ROBINS	CARDINALS	PERLETTES	TH. SDLS.	EXOTICS	TOTAL
June						
14	1450		1447			2897
15	1400	350	2545			4295
16	422	650	8163			9235
17	1600	1152	8479			11231
18	70	1601	14974			16645
19		1465	13165			14630
20		1744	7293			9037
21		3611	10295			13906
22		3513	8275	465		12253
23	395	3765	4353	1350	37	9900
24	498	5249	4110	6248	910	17015
25	-	5381	4808	3275	105	13569
26	350	5338	7072	7343	485	20588
27		1830	1575	9650	1065	14120
28		5940	3360	11905	50	21255
29		6841	3045	20089	591	30566
30		11195		20300	485	31980
July						
1		3240		26745	1100	31085
2		8805		32303	1707	42815
3		1971		13320	865	16156
4		4625		7405	300	12330
5		6316		24677	2802	33795
6		4133		26287	1585	32005
7		5585		54190	4048	63823
8		5513		31984	2075	39572
9		5695		33258	3740	42693
10		1552		32673	2608	36833
11		1070		35406	5835	42311
12		2380		40255	3401	46036
13		1595		40023	5718	47336
14		1514		35153	1435	38102
15		1070		28970	3231	33271
16		1655		36281	3480	41416
17		1140		34566	2205	37911
18		425		15010	1700	17135
19		190		20471	955	21616
20		260		16705	2255	19220
21		397		20526	6333	27256
22		25		20500	844	21369
23		-		11722	1160	12882
24		-		293	-	293
25		-		-	-	-
26		280		19400	4972	24652
27				3000		3000
TOTAL	6185	119061	102959	741748	68082	1038035

Source: Arizona Fruit and Vegetable Standardization Service.
Lug count thru July 27

PACKAGE MOVEMENT OF WESTERN ARIZONA GRAPES BY DAYS AND VARIETIES
AND TOTAL DAILY PACKAGES FROM CENTRAL ARIZONA AND WESTERN ARIZONA FOR THE 1971 SEASON

DATE	CARDINALS	PERLETTES	TH. SDLS.	EXOTICS	TOTAL	TOTAL CENT & WEST ARIZ
June 5		3200			3200	3200
6		125			125	125
7		2450			2450	2450
8		3820			3820	3820
9	500	7024			7524	7524
10	780	6700			7480	7480
11	2425	5325			7750	7750
12	1235	5520			6755	6755
13	500	300			800	800
14	1815	6195			8010	10907
15	1200	1100			2300	6595
16	1619	1417			3036	12271
17	1175	100			1275	12506
18	494	2738			3232	19877
19	-				-	14630
20	-				-	9037
21	4430		2179		6609	20515
22	650		650		1300	13553
23	4785		7057		11842	21742
24	825		6300		7125	24140
25	1100		5740	75	6915	20484
26	1470		9756	-	11226	31814
27	400		1820	-	2220	16340
28	300		6887	-	7187	28442
29	1100		10334	-	11434	42000
30	1310	336	9133	-	10779	42759
July 1	135		10469	41	10645	41730
2	355		8706	534	9595	52410
3	800		12305	150	13255	29411
4	-		1819	-	1819	14149
5	-		5400	-	5400	39195
6	50		8472	400	8922	40927
7	460		5625	210	6295	70118
8	600		8650	50	9300	48872
9	50		10675	195	10920	53613
10	615		5055	500	6170	43003
11	-		800	-	800	43111
12	-		9970	200	10170	56206
13	100		1750	50	1900	49236
14			3300	1562	4862	42964
15			2995	-	2995	36266
16			4634	315	4949	46365
17			1665		1665	39576
18			-		-	17135
19			700		700	22316
20			1834		1834	21054
21			2540		2540	29796
22			710		710	22079
23			150		150	13032
24			200		200	493
25			-		-	-
26			1575		1575	26227
27						3000
TOTAL	31278	46350	169855	4282	251765	1289800

Source: Arizona Fruit and Vegetable Standardization Service
Lug count thur July 27

RAIL AND TRUCK UNLOADS OF GRAPES IN 41 U.S. CITIES AND 5 CANADIAN CITIES CALENDAR YEAR 1970 ^{1/}

CITY	R A I L				T R U C K			
	ARIZ	CAL	OTH	TOTAL	ARIZ	CAL	OTH	TOTAL
Albany, N.Y.	2	48	-	50	2	32	10	44
Atlanta, Ga.	-	25	-	25	9	239	5	253
Baltimore, Md.	3	148	78	229	1	65	11	77
Birmingham, Ala.	-	3	-	3	2	119	3	124
Boston, Mass.	17	504	-	521	12	68	35	115
Buffalo, N.Y.	6	187	-	193	2	19	8	29
Chicago, Ill.	48	645	-	693	-	61	61	122
Cincinnati, Ohio	12	133	-	145	-	243	3	246
Cleveland, Ohio	8	290	-	298	1	122	24	147
Columbia, S.C.	-	21	-	21	1	116	9	126
Dallas, Texas	-	3	-	3	11	183	-	194
Denver, Colo.	-	-	-	-	2	240	12	254
Detroit, Mich.	13	500	-	513	1	112	42	155
Fort Worth, Texas	-	-	-	-	2	36	-	38
Houston, Texas	-	44	-	44	8	147	3	158
Indianapolis, Ind.	2	1	-	3	-	74	2	76
Kansas City, Mo.	-	1	-	1	3	197	1	201
Los Angeles, Calif.	-	-	-	-	13	1845	3	1861
Louisville, Ky.	2	10	-	12	1	109	6	116
Memphis, Tenn.	-	6	-	6	-	78	-	78
Miami, Fla.	9	65	-	74	-	196	8	204
Milwaukee, Wisc.	3	36	-	39	1	30	16	47
Minneapolis, Minn.	13	96	-	109	4	128	4	136
Nashville, Tenn.	1	3	-	4	-	32	1	33
New Orleans, La.	1	14	-	15	1	185	3	189
New York, N.Y.	58	3055	610	3723	6	248	12	266
Oklahoma City, Okla.	-	-	-	-	7	67	6	80
Philadelphia, Pa.	10	723	38	771	1	105	53	159
Pittsburgh, Pa.	12	329	-	341	1	46	31	78
Portland, Oreg.	3	16	-	19	-	146	4	150
Providence, R.I.	1	68	-	69	-	1	-	1
St. Louis, Mo.	9	37	-	46	5	210	10	225
Salt Lake City, Utah	-	7	-	7	-	129	-	129
San Antonio, Texas	-	18	-	18	6	129	-	135
San Francisco, Calif.	-	-	-	-	3	686	-	689
Seattle, Washn.	6	14	-	20	-	236	5	241
Washington, D.C.	2	127	-	129	2	73	17	92
Montreal, Que.	12	1111	66	1189	-	48	135	183
Ottawa, Ont.	2	91	-	93	-	34	24	58
Toronto, Ont.	17	1800	-	1817	-	30	121	151
Vancouver, B.C.	1	4	5	10	1	488	3	492
Winnipeg, Man.	-	7	6	13	-	132	16	148
TOTAL	273	10190	803	11266	109	7484	707	8300

^{1/} Source: Fresh Fruit and Vegetable Unload Totals for 41 Cities. U.S.D.A.

Table 14

21

DAILY MAXIMUM & MINIMUM TEMPERATURES AND PRECIPITATION
JUNE & JULY 1971, PHOENIX SKY HARBOR AIRPORT
(By U. S. Dept. of Commerce, Environmental Science Services Administration)

Date	JUNE			Date	JULY		
	Max.	Min.	Prec.		Max.	Min.	Prec.
1	90	59		1	107	72	
2	86	61		2	106	75	
3	83	56		3	105	80	
4	92	58		4	106	85	
5	93	59		5	108	79	
6	97	60		6	97	85	
7	94	62		7	107	78	
8	94	63		8	108	78	
9	94	67		9	110	80	
10	95	62		10	112	83	
11	89	65		11	114	78	
12	97	65		12	111	84	
13	100	65		13	110	87	
14	103	70		14	108	86	
15	105	70		15	105	85	
16	108	71		16	105	87	
17	110	75		17	104	78	
18	109	80		18	108	86	
19	108	73		19	108	83	
20	108	72		20	105	78	.10
21	108	75		21	108	83	
22	112	75		22	105	84	
23	109	79		23	107	87	Tr
24	108	82		24	108	84	
25	105	82		25	107	86	
26	107	76		26	110	86	
27	106	78		27	109	85	
28	103	78		28			
29	102	74		29			
30	105	72		30			
				31			
AVERAGE	100.6	69.4			Unavailable		

Table 15

AVERAGE MONTHLY TEMPERATURES AT SKY HARBOR AIRPORT
PHOENIX, ARIZONA FEBRUARY TO JULY
1966-1971 ^{1/}

	1971	1970	1969	1968	1967	1966
February	56.3	60.2	53.0	59.7	55.7	49.7
March	63.3	59.5	56.9	59.9	62.8	61.2
April	66.5	64.7	68.5	66.7	62.4	69.8
May	73.3	79.6	78.3	76.6	75.1	80.1
June	Unav.	87.9	84.2	86.2	81.1	85.8
July	Unav.	95.0	93.1	90.2	91.6	93.0

^{1/} Source: U. S. Dept. of Commerce, Environmental Science Services Administration.