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**FEDERAL-STATE MARKET NEWS SERVICE**

**MARKETING CENTRAL ARIZONA GRAPES**

**BRIEF SUMMARY OF**

**1970 SEASON**

**George Mason**  
**Local Representative**

**--ooOoo--**

**Phoenix, Arizona**  
**July, 1970**



TABLE OF CONTENTS

Brief Review "Marketing Central Arizona Grapes 1970" Pages 5-6

Table No.		Page No.
1	Shipping Point Prices Central Arizona Grapes by Varieties and Days 1970 Season.	7
2	Shipping Point Prices Coachella Valley, California Grapes by Varieties and Days 1970 Season.	7
3	Wholesale Prices for Arizona Grapes in Major Terminal Markets 1970 Season, by Days.	8-9-10
4	Auction Sales: Packages Sold, Price Range and Average Price, by Market Arizona Grapes by Varieties and Days 1970 Season.	11
5	Auction Sales: Packages Sold and Season Average Price by Varieties Arizona Grapes 1967-1970 and Season Totals all Varieties 1967-1970.	11
6	Arizona Grape Bearing Acreage at Harvest Time by Varieties 1970, 1969 and 1968.	12
7	Packages Grapes Shipped (Rail & Truck Combined) by Varieties Central and Western Arizona and Coachella Valley 1970 and 1969 Seasons.	12
8	Central and Western Arizona Bearing Grape Acreage at Harvest Time, Lugs Shipped Interstate, Average Lugs Per Acre Shipped Interstate 1965-1970.	13
9	Rail & Truck Shipments of Grapes by Districts and Days June 2 - July 26, 1970	14
10	Movement Grapes from Coachella Valley by Days and Varieties 1970 Season.	15
11	Package Movement of Central Arizona Grapes by Days and Varieties 1970 Season.	16
12	Package Movement of Western Arizona Grapes by Days and Varieties and Total Daily Packages from Central Arizona and Western Arizona for 1970 Season.	17
13	Grapes: Indicated Production by States 1970 with Comparisons 1969 and 1968.	18
14	Rail and Truck Unloads of Grapes in 41 U.S. Cities and 5 Canadian Cities Calendar Year 1969.	19
15	Daily Maximum & Minimum Temperatures and Precipitation June & July 1970 Phoenix Sky Harbor Airport.	20
16	Average Monthly Temperatures at Sky Harbor Airport Phoenix, Arizona February to July 1965-1970.	20



## MARKETING CENTRAL ARIZONA GRAPES - 1970 SEASON

Information contained in this brief review of the Central Arizona 1970 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 released from Coachella and Fresno, California; Crop Reporting Board of the U. S. Department of Agriculture; Southern Pacific and Santa Fe Railroads; Environmental Science Services Administration, Dept. of Commerce and various other sources. Much of the information is preliminary and subject to revision.

Arizona's bearing acreage of grapes for the 1970 season totaled 4,242 acres as compared to 4,843 acres in 1969 and 4,522 acres in 1968. These figures were compiled by the Arizona Fruit and Standardization Service. Both Central Arizona and Western Arizona had less acreage than the previous season. Central Arizona acreage for all varieties was estimated at 3,584 acres as compared to 3,983 acres in 1969 and 4,080 acres in 1968. The bearing acreage in Western Arizona was 658 acres for the present season as compared to 860 acres for the previous season and 442 acres in 1968.

The acreage in Central Arizona for the 1970 season included 2,435 acres of Thompson Seedless, 568 acres of Cardinals, 307 acres of Exotics, 259 acres of Perlettes and 15 acres of Robin Cardinals. The breakdown by varieties for Western Arizona in 1970 was 384 acres of Thompson Seedless, 128 acres of Cardinals, 135 acres of Perlettes and 11 acres of Exotics.

The preliminary average yield per acre in Central Arizona for 1970 was approximately 240 lugs as compared to 287 lugs in 1969 and 288 lugs in 1968. The preliminary average yield per acre in 1970 for Western Arizona was approximately 179 lugs as compared to 124 lugs in 1969 and 96 lugs in 1968.

The movement out of State from Central Arizona totaled 859,485 lugs as compared 1,146,716 lugs in 1969 and 1,173,905 lugs in 1968. Western Arizona's out of state movement in 1970 totaled 117,677 lugs as compared with 106,967 lugs in 1969 and 42,454 lugs in 1968. The total lug movement figures are not final, but through July 26.

Central Arizona f.o.b. grape shipping point prices by varieties for the 1970 season ranged as follows: Thompson Seedless \$4.00-6.00, Exotics \$5.00-7.00, Cardinals \$4.00-5.00 and Perlettes \$5.00. Prices showed a much narrower range from the beginning to the end of the season than the 1969 season when prices were low at the end of the deal.

The daily maximum temperatures from June 17 to July 24 ranged mostly from 100-110 degrees with extreme highs of 114 and 116 on June 24-25. A few widely scattered showers July 7 ranged from trace to .27 inch at the airport. Heavy rains to the south of Phoenix fell during the week of July 20-26 with Tucson reporting about 1 inch of rain, but most shippers in the area were about finished for the season.

During the 1970 season, auction sales of Arizona grapes in the 5 large Eastern Markets (Chicago, Detroit, New York City, Philadelphia and Pittsburgh) through July 24 averaged \$3.96 per lug as compared to \$3.47 per lug in 1969. The number of lugs reported sold on the above auctions through July 24 declined sharply as compared to 1969.

Shipments out of State from Central Arizona in 1970 (rail and truck combined) totaled 614 cars including 299 rail and 315 carlot equivalents by truck as compared to 861 cars including 532 rail and 329 truck in 1969. The movement from Western Arizona in 1970 was 81 cars and truck carlot equivalents as compared to 78 cars in 1969 and 27 cars in 1968. The truck conversion factor in the above comparison is based on 1,300 lugs for a carlot equivalent. A rail car is counted as one car regardless of the number of packages which normally ranges from 1,155 to 1,650 lugs per car. Lugs used during 1970 was generally 22 lb net weight.

The first shipment of the 1970 season for each variety were as follows: Perlettes June 10, Robins June 18, Thompson Seedless June 22 and Exotics June 24. The peak day during the 1970 season was July 10 when 69,364 lugs were shipped which included 21 rail and 23 carlot equivalents by truck. The date of the first shipment over 20,000 lugs was June 30.

SHIPPING POINT PRICES CENTRAL ARIZONA GRAPES BY VARIETIES  
AND DAYS JUNE 24 TO JULY 17  
22 lb Lugs

Date	PERLETTES		CARDINALS		THOMPSON SEEDLESS		EXOTICS
	First Label	Second Label	First Label	Second Label	First Label	Second Label	First Label
June 24	5.00	4.00	5.00	4.00-4.50			
25	5.00	4.00	3.00	4.00-4.50			
26	5.00	4.00	4.50				
29	5.00	4.00	4.50-5.00	3.75-4.00	5.50-6.00	5.00	
30	5.00	4.00	4.50	3.75-4.00	5.50-6.00	5.00	6.00-7.00
July 1		4.00	4.50	3.75-4.00	5.00-5.50	4.00-4.50	5.50-6.50
2			4.50	3.50-4.00	5.00	4.00-4.50	5.50-6.50
3							
6			4.00-4.50	3.50	4.50-5.00	4.00	5.50-6.00
7			4.00-4.50		4.50-5.00	4.00	5.50-6.00
8			4.00-4.50	3.50	4.00-4.50	3.25-4.00	5.00-6.00
9			4.00	3.50	4.00-4.50	3.50-4.00	5.00-6.00
10			4.00	3.50	4.00-4.50	3.50-4.00	5.00-6.00
13			4.00	3.50	4.50-5.00	3.50-4.00	5.00-5.50
14			4.00	3.50	4.50-5.00	3.50-4.00	5.00-5.50
15			4.00	3.50	4.50-5.00	3.50-4.00	5.00-5.50
16			4.00	3.50	4.50-5.00	3.50-4.00	5.00-5.50
17			4.00		4.50-5.00	3.50-4.00	5.00-5.50

Table 2

SHIPPING POINT PRICES COACHELLA VALLEY  
CALIFORNIA GRAPES BY VARIETIES JUNE 1 TO JULY 17  
22 lb lugs

DATE	ROBIN-CARDS	PERLETTES		CARDINALS	THOMPSON SEEDLESS		BLACK BEAUTY	
		A	AA		A	AA	A	AA
June 1	10.00	10.00	10.00					
2	10.00	8.00	9.00					
3	10.00	8.00	8.00-9.00	10.00				
4	10.00	8.00	8.50	10.00	9.00	9.00	9.00	9.00
5	10.00	7.50-8.00	8.00	10.00			9.00	9.00
8	9.00	6.00-7.00	7.00-7.50	8.00-9.00	9.00	9.00	9.00	9.00
9	9.00	6.00-6.50	6.50-7.00	8.00	8.00-8.50	8.00-8.50	8.00-8.50	8.00-8.50
10	9.00	6.00	6.50	8.00	8.00	8.00	8.00	8.00
11	8.00	6.00	6.50	8.00			8.00	8.00
12		5.50-6.00	6.50					
15	7.00	5.00-5.50	6.00	7.00			7.00	7.00
16	6.50-7.00	5.00-5.50	5.50-6.50	6.50-7.00			6.50-7.00	6.50-7.00
17	6.00	5.00-5.50	5.50-6.00	6.00-6.50			6.50	6.50
18	6.00	4.50-5.50	5.50-6.00	5.50-6.00			6.50	6.50
19	6.00	4.50-5.00	5.50-6.00	5.00-5.50			6.50	6.50
22	To few to quote.	4.00-5.00	5.50	5.00-5.50	6.00-6.50	6.50-7.00	6.00-6.50	6.00-6.50
23		4.00-5.00	5.50	5.00-5.50	6.00	6.50	6.00	6.00
24		4.00-4.50	5.00-5.50	4.50-5.00	5.50	6.00-6.50	6.00	6.00
25		4.00-4.50	5.00	4.50-5.00	5.00-5.50	6.00	5.50-6.00	5.50-6.00
26		4.00-4.50	4.50-5.00	4.00-5.00	5.00-5.50	6.00-6.50	5.50-6.00	5.50-6.00
29		4.50	4.50	4.50-5.00	5.00-5.50	5.50-6.00	5.00-5.50	5.50-6.00
30		4.50	4.50	4.50-5.00	4.50-5.00	5.50	5.00-5.50	5.00-5.50
July 1		4.00-4.50	4.00-4.50	4.50	4.00-4.50	5.00-5.50	5.00-5.50	5.00-5.50
2		To few to quote.		4.50-5.00	4.00-4.50	5.00	5.00	5.00
6				4.50-5.00	4.00-4.50		To few to quote.	
7				4.50-5.00	4.00-4.50	4.50-5.00		
8				4.50	4.00-4.50	4.50-5.00		
19				4.00-4.50	4.00-4.50	5.00-5.50		
10				4.00-4.50	4.00-4.50	5.00-5.50		
13				To few to quote.	4.00-4.50	5.00-5.50		
14					4.00-4.50	5.00-5.50		
15					4.00-4.50	5.00-5.50		
16					4.00-4.50	5.50		
17					4.00-4.50	5.00-5.50		

Note: Prices shown in above two tables are the highest and lowest reported each day.

Table 3

WHOLESALE PRICES FOR ARIZONA GRAPES IN MAJOR TERMINAL  
MARKETS 1970 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.)

T H O M P S O N S E E D L E S S (Per lug)

DATE	ATLANTA	BIRMINGHAM	BOSTON	CHICAGO	CINCINNATI	CLEVELAND	DALLAS
June 29			6.00*		7.50-8.00		
30					7.50-7.75	6.50	
July 1			6.00-6.50*		7.50-7.75		
2			6.00-6.25*		7.50-7.75		6.50
3							
6						6.00-6.50	
7	4.75-5.25		5.50	6.50-7.00	6.00-6.25	6.00-6.50	5.75-6.50
8	4.50*		5.50-6.00		5.50-6.00	6.00-6.50	5.00-5.50
9	4.25*		5.00-6.00		5.50-6.00	6.00-6.50	5.00-5.50
10	4.25-4.75*		5.00-5.50	6.50	6.25-6.50	6.50	5.00-5.50
13	4.50-5.00*		5.00-5.50	6.50	6.25-6.50	6.50	5.00-5.50
14	4.75-5.00*		5.75-6.00	6.50-7.00		6.00-6.50	5.00-5.50
15	4.75-5.00*		5.00-5.50	6.50-7.00	5.50-5.75	6.00-6.50	5.00-5.50
16	4.75-5.00*		5.75-6.00	6.50-7.00	5.00-5.50	6.00-6.50	5.00-5.50
17	4.50*	5.50-6.00		6.50-6.75	5.00-5.50	5.50-6.00	5.00-5.50
20		5.25-5.75	3.50-4.00*		5.00-5.50	5.50-6.00	5.00
21	4.25-4.50	5.25-5.75	3.00-4.00*		4.75-5.25	5.50-6.00	5.00
22	4.25-4.50	5.25-5.75	3.00-4.00*	5.00-6.00	4.75-5.25	5.50-6.00	5.00
23	4.25-4.50	5.25-5.75	3.50-4.00*		4.50-5.00	5.50-6.00	5.25
24	4.25-4.50	5.25-5.75	3.00-3.50*		4.75-5.00	5.50-6.00	
27	4.00-4.50	5.50-6.00	3.00-3.50*		4.50-5.50	5.50-6.00	6.75-7.00
-----							
	DENVER	DETROIT	KANSAS CITY	NEW ORLEANS	PITTSBURGH	ST. LOUIS	WASHN DC
June 29							
30							
July 1						4.50*	
2							
3							
6		6.00	6.00		6.00-6.50	5.00*	
7	5.50-6.00	5.50-6.00	5.75-6.00			4.75-5.00*	
8		6.00-6.75				5.75-6.00	
9	5.00-6.00		5.75-6.00	5.25*	4.50-5.00*	5.75	3.50*
10	5.00-5.50		5.75-6.00	5.25*	5.00*	5.75	3.50*
13	5.00-5.50		5.75-6.00	5.25*	5.00*	5.75	3.50*
14	5.00-5.50	6.50-7.00	5.75-6.00	5.25*	5.50	5.75-6.00	6.50-7.00
15	5.00-5.50	4.50-5.25*	5.75-6.00	5.25*	4.50-5.00*	4.25-5.15	6.50-7.00
16	5.00-5.50	5.00-5.50*	5.75-6.00	5.25*	5.50	4.30-5.25	6.50-7.00
17	5.00-5.50	4.50-5.00*	5.75-6.00	5.25*	5.00-5.50	4.75-5.25	6.50-7.00
20	5.00-5.50	4.50-5.00*	5.25-5.50	5.25*	4.50-5.00*	5.50	7.00
21	5.00-5.50	4.00-4.50	5.25-5.50	5.25-5.50*	4.50-5.00*	5.75*	7.00
22	5.00-5.50			5.25-5.50*	4.50*	5.75*	
23	5.00-5.50		5.25-5.50	5.25-5.50*	4.50*	5.75*	7.00
24	5.00-5.50		5.25-5.50	5.25-5.50*	4.50-5.00		6.00
27	4.00-5.00	4.00-4.50		5.00-5.25*	4.00-4.50*		5.50-6.00



Table 3 (continued)

WHOLESALE PRICES FOR ARIZONA GRAPES IN MAJOR TERMINAL MARKETS 1970 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	CLEVELAND	DALLAS	DENVER
June 23						
24			6.50-7.00			
25			6.50-7.00			
26						
29			5.50			
30	5.50-5.75					
July 1	5.25-5.75					
2	5.25-5.75					
6	5.00-5.50			6.50-7.00	5.50-5.75	
7	5.00-5.50		4.25-4.50*	6.50-7.00	5.75-6.00	
8	4.75-5.50		4.00-4.25*	6.50-7.00	5.50	5.50-6.00
9	4.75-5.50		3.50-4.00*	6.50-7.00	5.00-5.50	5.50-6.00
10	4.50-5.00		2.50-3.00*	6.50-7.00	5.00-5.50	5.50-6.00
13	4.25-5.00	5.50-6.00	2.50-3.00*			5.00-5.50
14	4.25-5.00	5.25-5.50				5.00-5.50
15	4.25-5.00*	5.25-5.50	2.50*			5.00-5.50
16	4.50-5.00*	5.25-5.50	2.50-3.00*			5.00-5.50
17	4.50-4.75*	5.25-5.50		3.50-4.00*		5.00-5.50
20	4.50-4.75*	5.25-5.75	3.25*	5.00-6.00	4.75	5.00-5.50
21	4.50-4.75*	5.25-5.75	2.00-2.50*	5.00-6.00	4.75	5.00-5.50
22	4.50-4.75*	5.25-5.75	4.00*	5.00-6.00	4.75	5.00-5.50
23	4.00-4.50*	5.25-5.75		5.00-6.00	4.75-5.00	5.00-5.50
24	4.00-4.50*	5.25-5.75		5.00-6.00		5.00-5.50
27	4.25-4.50*			5.00-6.00	4.50-4.75	5.00
	CINCINNATI	DETROIT	KANSAS CITY	NEW ORLEANS	PITTSBURGH	ST. LOUIS
June 23	7.00-7.25		6.75-7.00	6.50		
24	7.00-7.25			6.50		
25	6.75-7.00			6.50		
26	7.00-7.25			6.25-6.50		
29				6.25-6.50		
30				6.25-6.50		
July 1	6.75-7.00			6.25-6.50		4.00-5.00
2				6.25-6.50		4.00-5.00
6		6.00		6.25-6.50	5.00*	5.00
7		5.50-6.00	5.00-5.50	6.25		5.00
8				6.25	4.50*	5.00-5.50
9			5.00-5.50	5.25-5.50	3.50-4.00*	4.75-5.00
10			5.00-5.50	5.25-5.50		
13		6.50	5.00-5.50	5.25-5.50	3.00-3.50*	
14		6.50*	5.00-5.50	5.25-5.50	4.00*	
15		4.00-4.25*		5.25-5.50	3.50*	
16		3.50-4.00*	5.00-5.50	5.25-5.50	2.00-2.50*	
17		3.50-4.00*	5.00-5.50	5.25-5.50	2.00-2.50*	
20		4.50-5.00*		5.25-5.50	3.50*	4.50
21		4.00-4.50*		5.25	3.00-3.50*	
22				5.25	3.00-3.50*	
23				5.25		
24				5.25		
27				4.75-5.00	3.50-4.00*	

Table 3 (continued)

WHOLESALE PRICES FOR ARIZONA GRAPES IN MAJOR TERMINAL  
MARKETS 1970 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 (Per lug)

DATE	ATLANTA	BALTIMORE	BOSTON	CINCINNATI	CLEVELAND	NEW ORLEANS	KANSAS CITY
June							
15		9.00	7.00	8.50-9.00			
16		8.50-9.00	6.50-7.00	8.00-8.50		8.25	
17		8.00-8.50	6.00-6.50*	8.00-8.25		7.50	
18		7.50*	6.00	7.25-7.50		7.25	
19				7.25-7.50		7.00	
22		7.00*				7.00	
23		7.00*		7.50-8.00		7.00	7.00-7.25
24				6.00-6.25		7.00	
25				5.50-6.50		7.00	6.75
26		7.00-7.50		5.25-5.50		6.50-7.00	6.75
29	5.00-5.50					6.50-7.00	5.50
30	5.00-5.50			4.75-5.00*		6.50-7.00	5.50
July							
1	5.00-5.50			4.75-5.00*	6.50-7.00	6.50-7.00	
2	5.00-5.50				6.50-7.00	6.50-7.00	5.50
6	4.00-4.50*				6.50	6.50-7.00	5.50
7	4.00-4.50*	3.00-6.00*			6.50	6.50	5.50
8	4.00-4.50*				6.50	6.50	
9		3.00-3.50*					5.50
10							5.50
13					5.50		5.50
14					5.00-5.50		5.50
15							
16					5.00-5.50		
17					5.00-5.50		
20					4.00*		
21					4.00*		
22					4.00*		

## E X O T I C S

DATE	BOSTON	CINCINNATI	CLEVELAND	DALLAS	DENVER	LOUISVILLE	ST. LOUIS
June							
29	8.00						
30	6.50-7.00	8.00				8.50	
July						8.50	
1	6.50-7.00	7.75-8.00					5.00*
2	6.50	8.00					
6			6.50-7.50	6.50-7.25			5.00*
7		7.00-7.25	6.50-7.50	7.25			5.00*
8		7.00-7.25	6.50-7.50	7.00	7.50		5.00*
9		7.00-7.50	6.50-7.50	7.00	7.50		5.00*
10		7.00	7.50	7.00	7.50		
13	6.00*	6.75-7.00			7.50	7.50-8.00	
14			6.00-6.50		7.50	7.50	
15	6.50*	6.25-6.50	6.00-6.50		7.00-7.50	7.50	
16	5.00*	6.00-6.50	6.00-6.50		7.00-7.50	7.50	
17		5.75-6.00	5.50-6.00		7.00-7.50	7.50	
20	3.25*	5.50-6.00	5.50-6.00	5.25*	6.00	7.50	
21		5.50-6.00	5.50-6.00	5.25*	6.00	7.50	
22		6.00	5.50-6.00	5.25*	6.00	7.50	
23		5.00-5.50	5.50-6.00	5.25-5.50*	6.00	6.75	5.00*
24		5.00-5.25	5.50-6.00		6.00	6.00	
27		5.00-5.50	5.50-6.00	5.50*		6.00	

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.

AUCTION SALES: PACKAGES SOLD, PRICE RANGE AND AVERAGE PRICE, BY MARKET  
ARIZONA GRAPES BY VARIETIES AND DAYS 1970 SEASON

DATE	Market	Pkgs	Price Range	Average	DATE	Market	Pkgs	Price Range	Average
<u>THOMPSON SEEDLESS</u>					<u>CARDINAL</u>				
July 6	New York	750	2.25-2.30	2.27	July 1	Phila.	475	3.55-3.60	3.56
8	Detroit	910	4.25-6.50	5.34	8	Detroit	100	All	5.00
	New York	632	3.05-3.10	3.08	9	Detroit	166	All	4.35
9	Detroit	1085	2.25-2.30	2.29	14	Detroit	210	All	4.00
	Pittsbgh.	631	All	5.50	15	Detroit	135	All	3.50
10	Pittsbgh.	808	All	5.50	16	Detroit	720	2.15-2.80	2.52
13	Pittsbgh.	808	All	5.50	20	Detroit	250	All	2.10
14	Detroit	1410	5.00-5.05	5.02	Total		2056		3.17
15	Detroit	575	All	4.25	<u>PERLETTES</u>				
	Pittsbgh.	450	All	5.50	June 25	Pittsbgh.	770	All	5.50
	New York	160	All	5.00	30	Pittsbgh.	1125	All	6.00
16	Detroit	1275	3.00-3.20	3.18		Chicago	740	3.00-3.05	3.02
	Phila.	947	3.30-3.35	3.30	July 6	New York	680	5.25-5.30	5.27
	New York	520	3.75-3.80	3.77		Pittsbgh.	923	All	5.50
17	Detroit	1475	All	2.50	8	Pittsbgh.	554	All	5.14
20	Detroit	1025	1.50-2.75	2.72	Total		4792		5.15
	Pittsbgh.	637	5.75-5.80	5.76	<u>EXOTIC</u>				
	New York	1259	1.80-1.85	1.82	July 15	New York	160	All	5.00
23	Detroit	185	All	1.50	16	Detroit	100	3.50-3.55	3.53
24	Pittsbgh.	143	All	5.75	20	Pittsbgh.	199	1.80-1.85	1.82
Total		15685		3.74	Total		459		3.04

Note: Auctions sales through July 24, 1970 only.

Table 5

AUCTION SALES: PACKAGES SOLD AND SEASON AVERAGE PRICE BY VARIETIES ARIZONA GRAPES  
1967-1970

	*1970 <u>1/</u>		1969 <u>1/</u>		1968 <u>2/</u>		1967 <u>2/</u>	
	Packages	Average	Packages	Average	Packages	Average	Packages	Average
Cardinals	2,056	3.17	7,442	2.62	4,268	4.59	5,157	3.98
Perlettes	4,792	5.15	6,063	5.34	None	-	None	-
Th.Sdls.	15,685	3.74	42,825	3.30	35,076	4.48	34,393	4.93
Exotic	459	3.04	6,762	3.35	7,227	5.45	8,713	5.28
SEASON TOTAL	22,992	3.96	63,092	3.47	46,571	4.64	48,263	4.89

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

2/ Six Auctions - Boston, Chicago, Detroit, New York, Philadelphia and Pittsburgh.

\* Grape Auctions - through July 24, 1970.

Table 6

ARIZONA GRAPE BEARING ACREAGE AT HARVEST TIME  
BY VARIETIES 1970, 1969 & 1968 <sup>1/</sup>

<u>CENTRAL ARIZONA</u>	<u>1970</u>	<u>1969</u>	<u>1968</u>
Thompson Sdls	2435	2786	2888
Cardinals	568	667	665
Perlettes	259	199	199
Exotics	307	316	305
Robins	15	15	23
<b>TOTAL</b>	<b>3584</b>	<b>3983</b>	<b>4080</b>
<u>WESTERN ARIZONA</u>			
Thompson Sdls	384	531	265
Cardinals	128	141	60
Perlettes	135	148	88
Exotics	11	40	29
<b>TOTAL</b>	<b>658</b>	<b>860</b>	<b>442</b>
<u>TOTAL ARIZONA</u>			
Thompson Sdls	2819	3317	3153
Cardinals	696	808	725
Perlettes	394	347	287
Exotics	318	356	334
Robins	15	15	23
<b>TOTAL</b>	<b>4242</b>	<b>4843</b>	<b>4822</b>

<sup>1/</sup> Source: Arizona Fruit and Vegetable Standardization Service.

Table 7

PACKAGES GRAPES SHIPPED (Rail & Truck Combined) BY VARIETIES CENTRAL AND WESTERN  
ARIZONA AND COACHELLA DISTRICT 1970 & 1969 SEASONS

	<u>CENTRAL ARIZONA <sup>1/</sup></u>		<u>WESTERN ARIZONA <sup>1/</sup></u>		<u>COACHELLA VALLEY <sup>2/</sup></u>	
	<u>1970</u>	<u>1969</u>	<u>1970</u>	<u>1969</u>	<u>1970</u>	<u>1969</u>
Robins	7565	8791	-	-	36551	37757
Perlettes	73414	84543	44644	26317	1299097	1285056
Cardinals	117072	179853	17774	17842	247032	270886
Thompson Sdls	611905	796094	52968	59317	1109465	1321992
Exotics	49529	77435	2291	3491	16040	18808
Black Beauty	-	-	-	-	51350	57763
Delights	-	-	-	-	3716	5824
Richard Blacks	-	-	-	-	688	1006
Ribiers	-	-	-	-	1089	659
<b>TOTALS</b>	<b>859485</b>	<b>1146716</b>	<b>117677</b>	<b>106967</b>	<b>2765028</b>	<b>2999751</b>

<sup>1/</sup> Source: Arizona Fruit and Vegetable Standardization Service.

<sup>2/</sup> Source: Federal-State Market News Office, Indio, California.  
1970 figures incomplete thru July 19th only.

CENTRAL & WESTERN ARIZONA BEARING GRAPE ACREAGE AT HARVEST TIME  
LUGS SHIPPED INTERSTATE, AVERAGE LUGS PER  
ACRE SHIPPED INTERSTATE  
1965-1970 SEASONS

<u>CENTRAL ARIZONA</u> 1/			
SEASON	ACRES	LUGS SHIPPED INTERSTATE	LUGS PER ACRE SHIPPED INTERSTATE
1965	4014	1,000,051	249
1966	4169	1,027,057	246
1967	4040	1,256,286	311
1968	4080	1,173,905	288
1969	3983	1,144,065	287
1970	3584	859,485	240
<u>WESTERN ARIZONA</u>			
1965	83	9,433	114
1966	81	8,495	105
1967	155	24,111	156
1968	442	42,454	96
1969	860	106,967	124
1970	658	117,677	179

1/ Source: Arizona Fruit & Vegetable Standardization Service.

Note: 1970 lug count through July 26.

RAIL & TRUCK SHIPMENTS OF GRAPES BY DISTRICTS AND DAYS JUNE 2-JULY 26, 1970

DATE	CENTRAL ARIZONA			WESTERN ARIZONA			CENT CALIFORNIA			COACHELLA VLY			TOTAL U. S.		
	Rail	Truck	Total	Rail	Truck	Total	Rail	Truck	Total	Rail	Truck	Total	Rail	Truck	Total
June 2										7	24	31	7	24	31
3										5	33	38	5	33	38
4										3	40	43	3	40	43
5										8	45	53	8	45	53
6										15	46	61	15	46	61
7										3	-	3	3	-	3
8										20	32	52	20	32	52
9										20	40	60	20	40	60
10	-	1	1	-	1	1				18	48	66	18	50	67
11	-	-	-	-	-	-				11	45	56	11	45	56
12	-	1	1	-	5	5				17	50	67	17	56	73
13	-	-	-	1	1	2				31	52	83	32	53	85
14	-	-	-	-	-	-				4	-	4	4	-	4
15	-	-	-	-	-	-				24	47	71	24	47	71
16	-	-	-	4	2	6				28	31	59	32	33	65
17	1	-	1	1	3	4				19	44	63	21	47	68
18	2	-	2	1	3	4				22	36	58	25	39	64
19	3	-	3	1	2	3				15	37	52	19	39	57
20	1	4	5	-	1	1				18	32	50	19	37	56
21	4	1	5	-	1	1				3	-	3	7	2	9
22	5	1	6	1	1	2				14	50	64	20	52	72
23	4	5	9	1	1	2				13	46	59	18	52	70
24	4	3	7	-	2	2				14	44	58	18	49	67
25	4	8	12	-	1	1				8	38	46	12	47	59
26	-	8	8	-	1	1				15	41	56	15	50	65
27	5	5	10	-	1	1				11	43	54	16	49	65
28	2	4	6	-	-	-				1	-	1	3	4	7
29	7	12	19	-	-	-	-	1	1	15	44	59	22	57	79
30	19	8	27	3	3	6	-	1	1	22	40	62	44	52	94
July 1	19	5	24	-	2	2	-	1	1	22	54	76	41	62	107
2	11	13	24	2	4	6	1	2	3	16	49	65	30	68	98
3	13	23	36	1	1	2	2	2	4	22	44	66	38	70	108
4	11	9	20	-	1	1	1	2	3	26	28	54	38	40	78
5	11	5	16	-	2	2	-	1	1	2	-	2	13	8	21
6	18	9	27	2	-	2	2	2	4	18	35	53	40	46	86
7	11	16	27	4	2	6	-	6	6	12	38	50	27	62	89
8	27	13	40	2	3	5	8	11	19	23	28	51	60	55	115
9	18	16	34	-	2	2	4	14	18	9	28	37	31	60	91
10	21	23	44	1	1	2	6	14	20	17	30	47	45	68	113
11	11	15	26	1	3	4	3	8	11	20	12	32	35	38	73
12	13	3	16	-	1	1	-	3	3	4	5	9	17	12	29
13	15	9	24	1	1	2	8	11	19	17	29	46	41	50	91
14	7	15	22	-	-	-	10	17	27	14	20	34	31	52	83
15	10	12	22	-	1	1	9	16	25	11	14	25	30	43	73
16	6	17	23	-	-	-	10	23	33	5	22	27	21	62	83
17	6	16	22	-	-	-	5	29	34	3	11	14	14	56	70
18	3	10	13	-	-	-	14	15	29	6	13	19	23	38	61
19	1	4	5	-	-	-	4	2	6	-	3	3	5	9	14
20	3	4	7	-	1	1	23	37	60	-	9	9	26	51	77
21	2	5	7	-	-	-	31	43	74	-	1	1	33	49	82
22	1	3	4	-	-	-	34	45	79	-	1	1	35	49	84
23	-	4	4	-	-	-	23	54	77	-	1	1	23	59	82
24	-	4	4	-	-	-	37	51	88	-	1	1	37	56	93
25	-	1	1	-	-	-	18	36	54	-	-	-	18	37	55
26	-	-	-	-	-	-	6	9	15	-	-	-	6	9	15
TOTAL	299	315	614	27	54	81	259	456	715	651	1504	2155	1236	2329	3565

MOVEMENT GRAPES FROM COACHELLA VALLEY BY DAYS AND VARIETIES 1970 SEASON 1/

DATE	COACHELLA VALLEY---LUGS							TOTAL
	Perlettes	Cardinals	Th. Sdls.	Robins	Blk.Bty.Sdls.	Exotics	Others Varieties <u>2/</u>	
Prev. May 28	16005	70		1528				17603
May 28	12667			613				13280
29	17366	490		300				18156
30	21159	479			75			21713
31								
June 1	22161			1798	244			24203
2	37024	758		1450				39232
3	43272	1071		2330	685			47358
4	48172	1882		2715	1113			53882
5	59700	2305		2240	1527		5	65777
6	71883	2340		1514	607			76344
7								
8	57146	4117		2850	1050		5	65168
9	65638	4479		3150	1788			75055
10	67913	8541		2744	2705			81903
11	55883	9018		2660	2570			70131
12	70224	9521		1490	2290			83525
13	85219	10922		4230	4163			104534
14								
15	71217	11476		1528	3724		200	88145
16	61323	9251		370	2236			73180
17	65780	9784		1581	2656		20	79821
18	55313	12295	261	1070	3482			72421
19	51955	10403	880	245	1811			65294
20	49784	8339	2887	25	1736			62771
21								
22	58814	11742	7642	110	1835		222	80365
23	42284	12461	16806		1480			73031
24	24405	16505	27927	10	1745	1750	725	73067
25	22086	10203	23004		1586	165	900	57944
26	15815	12639	37672		1451	700	1325	69602
27	4945	6305	53106		980	1835		67171
28								
29	6549	7549	57148		1285	740	50	73321
30	6096	10563	59727		1120	285	520	78311
July 1	5724	9057	80586		927	2659	150	99103
2	2099	9231	67093		1505	1405	456	81789
3	917	5756	73677		659	1268	100	82377
4		3221	61772		522	1172	127	66814
5								
6	278	4951	58936		371	1980	15	66531
7	118	1492	59755		392	1235	25	63017
8		2377	60513		560	175		63625
9	279	1485	45033		295	80	20	47192
10	104	1265	57210		127	135	53	58894
11		875	38483					39358
12	66	205	10921					11192
13	142	699	56056		5	70	220	57192
14	124	725	41948		43	50		42890
15	1448	150	32716			336	50	34700
16		35	33698				305	34038
17			17465					17465
18			23366					23366
19			3177					3177
TOTAL thru July 19	1299097	247032	1109465	36551	51350	16040	5493	2765028

1/ Source: Daily wires from Federal-State Market News Service, Indio, California.

2/ Delights, Richard Blacks and Ribiers.

All figures are preliminary and subject to correction. Total to date thru July 19 include some corrections not shown in daily figures.

Table 11

## PACKAGE MOVEMENT OF CENTRAL ARIZONA GRAPES BY DAYS AND VARIETIES 1970 SEASON

	ROBINS	CARDINALS	PERLETTES	TH.SDLS.	EXOTICS	TOTAL
June						
10			814			814
11			-			-
12			1550			1550
13			300			300
14			-			-
15			-			-
16			-			-
17			1840			1840
18	1150		1440			2590
19	1440	257	2998			4695
20	1300	775	10250			12325
21	580	125	-			705
22	-	935	5643	1040		7618
23	1700	2230	5229	1040		10199
24	1395	2475	6947	797	182	11796
25		1765	11758	1804	100	15427
26		530	5440	4220	328	10518
27		990	8022	4909	35	13956
28		1590	2960	8032	1273	13855
29		3869	4310	8580	1065	17824
30		14207	1775	18430	2275	36687
July						
1		6811	800	22856	2043	32510
2		5585	150	23548	3120	32403
3		8113	1106	39898	3465	52582
4		3871	-	20838	795	25504
5		10465	-	18075	1175	29715
6		4950	-	30732	1767	37449
7		4789	82	25964	3214	34049
8		4949		49723	4050	58722
9		5544		39937	3231	48712
10		7645		58176	3543	69364
11		2915		29918	3475	36308
12		1626		19609	802	22037
13		3555		26431	3365	33351
14		2145		20925	1120	24190
15		2145		32339	2435	36919
16		2127		31258	2113	35498
17		3017		24144	2173	29334
18		1675		15526	895	18096
19		1548		4780	304	6632
20		1376		7314	255	8945
21		927		6668	505	8100
22		280		4944	219	5443
23		100		4449	-	4549
24		666		4501	207	5374
25		500		500	-	1000
26		-		-	-	-
TOTAL	7565	117072	73414	611905	49529	859485

Source: Arizona Fruit and Vegetable Standardization Service.



Table 12

PACKAGE MOVEMENT OF WESTERN ARIZONA GRAPES BY DAYS AND VARIETIES  
AND TOTAL DAILY PACKAGES FROM CENTRAL ARIZONA AND WESTERN ARIZONA FOR THE 1970 SEASON

DATE	CARDINALS	PERLETTES	TH. SDLS.	EXOTIC	TOTAL	TOTAL CENT & WEST ARIZ
June						
9		634			634	634
10		1800			1800	2614
11		426			426	426
12	350	5770			6120	7670
13	50	1625			1675	1975
14	150	25			175	175
15	-	-			-	-
16	675	7785			8460	8460
17	1895	4015			5910	7750
18	925	5925			6850	9440
19	835	3585			4420	9115
20	130	525			655	12980
21	1014	126			1140	1845
22	-	2600			2600	10218
23	310	2704			3014	13213
24	880	1270			2150	13946
25	275	1300			1575	17002
26	340	175	275	122	912	11430
27	335	989	-	-	1494	15450
28	100	1440	-	170	1540	15395
29	-	-	-	-	-	17824
30	800	668	6150	448	8066	44753
July						
1	405	-	2350	90	2845	35355
2	1079	1257	5100	315	7751	40154
3	1236		1914	150	3300	55882
4	200		3848	252	4300	29804
5	155		2925	55	3135	32850
6	75		3550	-	3625	41074
7	1550		7795	200	9545	43594
8	1625		5010	75	6710	65432
9	685		2100	55	2840	51552
10	15		2634	171	2820	72184
11	760		3950	148	4858	41166
12	75		1225	15	1315	23352
13	371		1579	25	1975	35326
14	-		-	-	-	24190
15	-		1200	-	1200	38119
16	55		150	-	205	35703
17	100		-	-	100	29434
18	-		-	-	-	18096
19	-		-	-	-	6632
20	324		807	-	1131	10076
21	-		-	-	-	8100
22	-		-	-	-	5443
23	-		406	-	406	4955
24	-		-	-	-	5374
25	-		-	-	-	1000
26	-		-	-	-	-
TOTAL	17774	44644	52968	2291	117677	977162

Source: Arizona Fruit and Vegetable Standardization Service.

Table 13

GRAPES: INDICATED PRODUCTION BY STATES 1970 WITH COMPARISONS 1969 AND 1968  
 Source: July 1, Crop Summary released July 10, 1970, Crop Reporting  
 Board, Statistical Reporting Service, U. S. D. A.

STATE	P R O D U C T I O N		
	1968	1969	Indicated 1970
	<u>TONS</u>	<u>TONS</u>	<u>TONS</u>
New York	116,000	121,000	120,000
New Jersey	870	960	1,050
Pennsylvania	37,400	25,000	39,000
Ohio	10,000	9,300	10,000
Michigan	23,000	38,000	65,000
Missouri	3,750	4,500	3,000
North Carolina	2,000	2,200	1,800
South Carolina	4,000	4,800	4,000
Georgia	1,420	1,150	1,120
Arkansas	8,500	11,000	8,000
Arizona	13,600	15,200	15,500
Washington	73,500	69,400	68,000
California, All	3,255,000	3,600,000	2,820,000
Wine varieties	650,000	775,000	500,000
Table varieties	470,000	665,000	420,000
Raisin varieties	2,135,000	2,160,000	1,900,000
Raisins <u>1/</u>	264,000	252,000	-----
Not dried	1,025,000	1,148,000	-----
United States	3,549,040	3,902,510	3,156,470

1/ Dried basis: 1 ton of raisins is equivalent to 4.02 tons of fresh grapes for 1969  
 and 4.20 for 1968.

Table 14

RAIL AND TRUCK UNLOADS OF GRAPES IN 41 U.S. CITIES AND 5 CANADIAN CITIES CALENDAR YEAR 1969 <sup>1/</sup>

CITY	RAIL				TRUCK			
	ARIZ	CAL	OTH	TOTAL	ARIZ	CAL	OTH	TOTAL
Albany, N.Y.	2	70	-	72	-	31	10	41
Atlanta, Ga.	6	55	-	61	8	216	12	236
Baltimore, Md.	4	141	87	232	1	59	9	69
Birmingham, Ala.	1	14	-	15	-	125	-	125
Boston, Mass.	18	595	-	613	-	25	29	54
Buffalo, N.Y.	5	235	-	240	1	15	8	24
Chicago, Ill.	66	862	-	928	-	32	68	100
Cincinnati, Ohio	9	181	-	190	3	176	15	194
Cleveland, Ohio	3	347	-	350	5	110	23	138
Columbia, S.C.	-	44	-	44	3	130	10	143
Dallas, Texas	-	10	-	10	3	293	-	296
Denver, Colo.	-	1	-	1	3	238	11	252
Detroit, Mich.	21	575	-	596	4	95	31	130
Fort Worth, Texas	-	2	-	2	1	50	-	51
Houston, Texas	-	40	-	40	9	179	3	191
Indianapolis, Ind.	2	7	-	9	-	87	1	88
Kansas City, Mo.	2	7	-	9	2	178	4	184
Los Angeles, Calif.	-	-	-	-	26	2103	3	2132
Louisville, Ky.	4	28	-	32	-	99	3	102
Memphis, Tenn.	-	8	-	8	-	81	-	81
Miami, Fla.	2	106	-	108	-	215	8	223
Milwaukee, Wisc.	4	37	-	41	-	15	16	31
Minneapolis, Minn.	29	214	-	243	2	114	6	122
Nashville, Tenn.	1	2	-	3	-	33	2	35
New Orleans, La.	3	47	-	50	7	197	2	206
New York, N.Y.	104	2822	654	3580	2	69	5	76
Oklahoma City, Okla.	-	-	-	-	6	97	6	109
Philadelphia, Pa.	14	800	-	814	1	47	60	108
Pittsburgh, Pa.	15	389	-	404	3	50	26	79
Portland, Oreg.	7	24	-	31	7	168	5	180
Providence, R.I.	2	80	-	82	-	2	1	3
St. Louis, Mo.	12	113	-	125	-	165	10	175
Salt Lake City, Utah	-	7	-	7	-	131	1	132
San Antonio, Texas	3	38	-	41	4	159	-	163
San Francisco, Calif.	-	-	-	-	3	789	-	792
Seattle, Washn.	7	22	-	29	-	286	8	294
Washington, D.C.	4	173	-	177	-	23	20	43
Montreal, Que.	24	1678	61	1763	-	31	141	172
Ottawa, Ont.	6	94	-	100	3	47	26	76
Toronto, Ont.	51	1902	-	1953	1	14	115	130
Vancouver, B.C.	2	29	5	36	-	463	9	472
Winnipeg, Man.	-	19	1	20	-	157	28	185
<b>TOTAL</b>	<b>433</b>	<b>11818</b>	<b>808</b>	<b>13059</b>	<b>108</b>	<b>7594</b>	<b>735</b>	<b>8437</b>

<sup>1/</sup> Source: Fresh Fruit and Vegetable Unload Totals for 41 Cities. U.S.D.A.

Table 16

DAILY MAXIMUM & MINIMUM TEMPERATURES AND PRECIPITATION  
 JUNE & JULY 1970, PHOENIX SKY HARBOR AIRPORT  
 (By U. S. Dept. of Commerce, Environmental Science Services Administration)

Date	Max.	JUNE		Date	Max.	JULY		Prec.
		Min.	Prec.			Min.	Prec.	
1	101	81		1	104	72		
2	102	70		2	105	85		
3	107	67		3	109	88		T
4	105	69		4	109	88		
5	99	73		5	110	82		
6	100	77		6	109	85		
7	101	71		7	105	79		.26
8	101	70		8	102	80		
9	95	75		9	106	80		
10	94	69		10	105	80		
11	94	72		11	108	80		
12	97	68		12	111	80		
13	93	66		13	113	83		
14	93	63		14	112	86		
15	93	62		15	112	83		
16	97	63		16	110	84		
17	100	67		17	109	87		
18	104	69		18	107	89		
19	108	68		19	106	87		
20	108	73		20	102	83		
21	109	73		21	98	77		
22	107	81		22	100	80		
23	110	80		23	106	85		
24	114	76		24	104	82		
25	116	83		25	103	83		
26	112	81		26	104	82		
27	111	89		27	106	84		
28	107	87		28	107	78		
29	104	80		29		85		
30	102	71		30				
				31				
AVERAGE	102.8	73.1			Unavailable			

AVERAGE MONTHLY TEMPERATURES AT SKY HARBOR AIRPORT  
 PHOENIX, ARIZONA FEBRUARY TO JULY  
 1965-1970 <sup>1/</sup>

	1970	1969	1968	1967	1966	1965
February	60.2	53.0	59.7	55.7	49.7	52.4
March	59.5	56.9	59.9	62.8	61.2	56.1
April	64.7	68.5	66.7	62.4	69.8	63.4
May	79.6	78.3	76.6	75.1	80.1	71.8
June	87.9	84.2	86.2	81.1	86.8	79.0
July	Unav.	93.1.	90.2	91.6	93.0	91.0

<sup>1/</sup> Source: U. S. Dept. of Commerce, Environmental Science Services Administration.