



Raisin Administrative Committee



Marketing Policy

**&
Industry Statistics 2016**



Raisin Administrative Committee

Marketing Policy & Industry Statistics 2016 - 2017 Marketing Season

As Presented to the Marketing Subcommittee
and Approved by the RAC on September 23, 2016
and Submitted to the Secretary

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(1) **THE ESTIMATED TONNAGE HELD AT THE BEGINNING OF THE CROP YEAR.**

(A) **Tonnage held by producers.**

287 tons of Natural Seedless raisins were being held on Memorandum Storage as of July 31, 2016.

(B) **Tonnage held by handlers.**

Packer inventory of raisins as of July 31, 2016, with comparative tonnages for July 31, 2015 was as follows:

	<i>PACKER INVENTORY *</i> <i>as of 07/31/15</i> <i>Held Locally</i>	<i>PACKER INVENTORY *</i> <i>as of 07/31/16</i> <i>Held Locally</i>
Natural Seedless	122,954	158,287
Dipped Seedless	2,933	953
Golden Seedless	5,273	6,584
Zante Currant	1,702	1,991
Sultana	35	18
Muscat	24	24
Monukka	139	171
Other Seedless	9,775	7,497
Other Seedless Sulfured	594	653
TOTAL	143,429	176,178

* Includes packed and unpacked in sweatbox tons

10 Year Natural Seedless Carry-in Inventory (Free Tonnage & Unreleased Reserve)

	Free Tonnage	Unreleased Reserve	Total
2007-08	105,430	20,864	126,294
2008-09	106,249	647	106,896
2009-10	126,824	12,154	138,978
2010-11	83,143	71	83,214
2011-12	110,206	2	110,208
2012-13	132,061	0	132,061
2013-14	132,407	0	132,407
2014-15	138,215	0	138,215
2015-16	122,954	0	122,954
2016-17	158,287	0	158,287
10 Year Average	121,578	3,374	124,951

(C) **Estimated tonnage held by Committee as of August 1, 2016.**

The Committee held 0 tons of Natural Seedless reserve pool raisins.

(2) THE EXPECTED GENERAL QUALITY AND ANY MODIFICATIONS OF THE MINIMUM GRADE STANDARDS.

- (A) The 2016 harvest was 7 to 10 days early.
- (B) During the 2015-16 crop year, incoming substandard and quality standards were maintained at the standard level. Substandard dockage has a maximum limit of 17% and B or Better maturity dockage allowance has a minimum limit of 35%.
- (C) Although raisins produced from grapes grown outside of the State of California are not subject to volume regulations or grade and condition standards established under the marketing order, the surveillance and reporting provisions for any such raisins received by raisin handlers will continue for the 2016-2017 crop year. Arizona declared fruit must be validated as produced in Arizona or will be subjected to all requirements of California grown fruit.

(3) THE ESTIMATED TONNAGE OF STANDARD AND OFF-GRADE RAISINS WHICH WILL BE PRODUCED.

- (A) The Committee met on September 23, 2016 and concluded it was too early to adopt an estimated crop production for Natural Seedless. Crop production estimates were established for all other varieties for the 2016/17 crop year.

Varietal Type	Estimated Production
Natural Seedless ⁺	N/A
Dipped Seedless	2,600
Golden Seedless	19,400
Zante Currant	2,200
Sultana	0
Muscat	100
Monukka	100
Other Seedless	9,700
Other Seedless Sulf.	400

⁺ Beginning with the 2003-04 Crop Year, the Natural Seedless varietal type was modified through informal rule making to include Oleate Seedless (68 FR 42943: July 21, 2003).

The 2016 August 1 grape estimate and the 2015 and 2014 final grape crops (in green tons) are as follows:

Varietal Type	2016 est.	Final	
		2015	2014
Wine	3,900,000	3,705,000	3,893,000
Table	1,250,000	1,135,000	1,166,000
Raisin	1,750,000	2,007,000	1,763,000
Total	6,900,000	7,200,000	6,822,000

Source: USDA Fruit & Nut Review, August 31, 2016

(B) Estimate of Tunnel Dehydrated Raisin Production.

Production of Golden Seedless raisins in the 2015-2016 crop year was 21,110 swb tons. The carry-over from that year was 6,584 tons. Dipped Seedless production in 2015-2016 was 2,926 tons with a carry-over of 953 tons. The Committee will determine a 2016-17 crop estimate for Golden Seedless and Dipped Seedless raisins. (See chart on page 2)

(C) Estimated Tonnage of Off Grade Raisins to be Produced.

The 2016 crop is expected to be smaller than the 2015 crop. Bunch count surveys show a decrease of 10-20% from last year. There was above average rainfall this winter, and while the drought is not over, this rain and snow fall allowed most raisin growers to receive surface water irrigation deliveries. Although the crop is predicted to be smaller, it should be a higher quality raisin owing to adequate water and good growing conditions.

(4) THE ESTIMATED TRADE DEMAND FOR RAISINS IN FREE TONNAGE OUTLETS.

(A) The tonnage of raisins marketed in recent crop years in domestic and Canadian markets, including government purchases, on a packed tonnage basis is shown in the following table:

<i>Domestic & Canadian Markets</i>					
Packed Tons					
Varietal Type	2011-12	2012-13	2013-14	2014-15	2015-16
Natural Seedless	183,703	184,417	202,809	189,725	182,140
Dipped Seedless	1,618	2,847	3,056	1,547	4,084
Golden Seedless	11,986	12,486	11,928	13,263	13,364
Zante Currants	1,205	1,501	1,439	1,394	1,247
Sultanas	58	57	53	23	45
Muscats	0	0	0	0	0
Monukkas	142	71	94	54	43
Other Seedless	5,750	7,114	6,353	7,210	11,439
Other Seedless Sulf.	450	328	401	212	535
Total	204,912	208,821	226,133	213,428	212,897
Five-Yr. Average					213,238

(B) Free tonnage marketed in foreign markets during the past five years:

<i>Export Markets</i>					
Packed Tons					
Varietal Type	2011-12	2012-13	2013-14	2014-15	2015-16
Natural Seedless	119,373	108,816	142,757	111,407	98,523
Dipped Seedless	158	522	499	249	547
Golden Seedless	5,206	4,915	5,701	5,393	4,769
Zante Currants	905	1,231	1,434	1,053	1,215
Sultanas	0	0	0	0	0
Muscats	0	0	0	0	0
Monukkas	0	0	0	0	0
Other Seedless	2,434	1,409	2,050	1,206	1,020
Other Seedless Sulf.	105	62	61	86	52
Total	128,181	116,955	152,502	119,394	106,126
Five-Yr. Average					124,632

(5) AN ESTIMATED DESIRABLE CARRYOUT AT THE END OF THE CROP YEAR.

The Committee believes there is no longer a requirement for the Desirable Carryout.

(6) THE ESTIMATED MARKET REQUIREMENTS FOR RAISINS, CONSIDERING THE ESTIMATED WORLD RAISIN SUPPLY AND DEMAND SITUATION.

The export of California Natural Seedless raisins decreased by 12,884 packed tons to 98,523 packed tons during 2015-2016 from 111,407 packed tons in 2014-15.

The following table shows the shipments of raisins on a packed weight basis for the 2015-2016 crop year.

Countries of Destination	Natural Seedless	Golden Seedless	Other
Australia	811	113	51
Belgium	546	0	0
China*	7,567	5	406
Denmark	1,863	0	0
Finland	1,186	0	0
France	98	0	0
Germany	7,892	0	0
Hong Kong	1,790	167	60
Indonesia	1,324	53	294
Israel	689	1,570	85
Japan	27,249	30	829
Malaysia	2,090	576	78
Mexico	2,647	112	286
Netherlands	2,073	0	0
New Zealand	1,270	58	41
Norway	2,393	0	0
Philippines	3,127	15	4
Singapore	1,399	324	42
Ireland	1,222	0	7
South Korea	4,334	10	28
Sweden	4,026	0	7
Taiwan	3,971	76	31
Thailand	2,969	116	28
United Kingdom	8,945	165	513
Russia	0	0	0
Latin America	3,692	168	0
All Other Markets	3,350	1,211	44
TOTAL	98,523	4,769	2,834

*Historically a large volume of China exports are transshipped directly to Japan.

The RAC will be sending a representative to the International Conference of Dried Grape Producing Countries and will return with up to date statistics.

(7) CURRENT PRICES BEING RECEIVED AND THE PROBABLE GENERAL LEVEL OF PRICES TO BE RECEIVED FOR RAISINS BY PRODUCERS AND HANDLERS.

(A) Negotiations between packers and the RBA are being held pursuant to the terms of their contract.

Probable Prices to be Received by Producers for the 2016-2017 Crop

Natural Seedless	\$ _____	<i>Per Ton</i>
Dipped Seedless	\$ _____	<i>Per Ton</i>
Golden Seedless	\$ _____	<i>Per Ton</i>
Zante Currants	\$ _____	<i>Per Ton</i>
Sultanas	\$ _____	<i>Per Ton</i>
Muscats	\$ _____	<i>Per Ton</i>
Monukkas	\$ _____	<i>Per Ton</i>
Other Seedless	\$ _____	<i>Per Ton</i>
Other Seedless Sulf.	\$ _____	<i>Per Ton</i>

(B) Current Prices Being Quoted by Handlers as of September, FOB

Natural Seedless	\$ _____	<i>Per Ton</i>
Dipped Seedless	\$ _____	<i>Per Ton</i>
Golden Seedless	\$ _____	<i>Per Ton</i>
Zante Currants	\$ _____	<i>Per Ton</i>
Other Seedless	\$ _____	<i>Per Ton</i>

(8) THE TREND AND LEVEL OF CONSUMER INCOME.

Volatility in the economic data and policy signals persist in an economy that continues to trend at a moderate growth pace with slow but rising inflation and a cautious U.S. central bank. The great divide in the economy persists with strength in consumer spending and housing. However, these two sources of strength have increasingly become isolated as weakness in business investment and net exports are troubling and a significant inventory correction continues. Meanwhile, inflation continues to inch upward. This combination of disappointing growth and continued moderate inflation provides the Fed a basis for raising the fed funds rate—but without any sense of urgency. Given the modest inflation pace and global uncertainties, the yield curve remains relatively flat. Finally, modest nominal GDP growth in the face of rising unit labor costs has resulted in a challenging path for profits.

Real final sales to domestic purchasers, which excludes inventories and net exports, grew at a 2.1 percent annual rate in the second quarter and 2.0 percent on a year-over-year basis.

Overall, this is not that different from the average of the current expansion, but it is clearly slower compared to the past few economic expansions. In addition, the pace of inflation, as measured by the PCE deflator, has also diminished compared to prior expansions. The result is slower nominal income growth and thereby the persistence of lower interest rates and limited growth in corporate profits.

*Source: Wells Fargo Monthly Outlook, US Overview;
August 10, 2016.*

Historically, California raisins maintain good market demand regardless of economic conditions.

(9) ANY OTHER PERTINENT FACTORS BEARING ON THE MARKETING OF SUCH RAISINS INCLUDING THE ESTIMATED SUPPLY AND DEMAND FOR OTHER VARIETAL TYPES AND REGULATIONS APPLICABLE THERETO.

The export shipments of California raisins were down 11% from the previous year.

The appreciation of the US dollar against most foreign currencies impacted worldwide shipments of California raisins. The US dollar also appreciated in value against the Turkish Lira making it challenging for the California raisin industry to compete with Turkey in the world market.

Turkey also affected the sale of California raisins in an additional manner; the EU instituted major reductions in MRL (Maximum Residue Level) of the chemical Chlorpyrifos (lorsban) making it critical for the Turkish raisin industry to sell its supply before the change was to take place on August 10, 2016. In order to accomplish this, Turkish packers lowered their prices significantly. California raisins continue to be below the established lower levels of this chemical.

The economic sanctions against Iran were removed.

In California, 51 of California's 58 counties continued to be given a disaster designation for the 2016 crop year by the USDA due to the ongoing effects of the drought. The raisin producing counties of Fresno, Tulare, Madera, Kings and Kern were all included in these designations.

This year had 14.84 inches of precipitation in the Fresno area, compared to an average of 11.5 inches. Above average rainfall this winter refilled surface water storage facilities to the point that most, if not all, raisin growers who normally receive surface irrigation water received a supply. Still, underground water supplies remained a significant source for agricultural irrigation. Urban and environmental demand for additional surface water continues to force growers to pump from the underground supply and drill new wells.

General Information: Shrink

In the processing of raisins, a shrinkage occurs. Annually, the "shrinkage" varies due to growing conditions. Shrinkage is computed by determining the disappearance between the total available natural condition supply and the quantity reported as processed. This "Shrinkage" or loss is reflected as a conversion factor throughout this report to account for the difference between natural condition "sweatbox" and processed "packed" weights.

The table on this page shows the annual conversion factors used to convert packed tonnage figures to a sweatbox basis.

Conversion Factors are applied to reported packed weight to determine the sweatbox equivalent. Packed tons are divided by the conversion factor to obtain the equivalent sweatbox weight.

Conversion of sweatbox weight to a packed weight basis is accomplished by multiplying the sweatbox weight by the conversion factor.

	11-12	12-13	13-14	14-15	15-16
Natural Seedless	0.934	0.946	0.952	0.943	0.928
Dipped Seedless	0.862	0.891	0.688	0.763	0.945
Golden Seedless	0.893	0.912	0.918	0.873	0.917
Zante Currants	0.832	0.845	0.854	0.744	0.867
Sultanas	0.969	0.898	0.691	0.705	0.949
Muscats	1.000	0.021	1.000	1.000	1.000
Monukkas	1.124	0.660	0.806	0.641	1.286
Other Seedless	0.915	0.904	0.958	0.845	0.940
Other Seedless Sulf.	1.047	1.056	0.964	0.532	1.617

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Table 1

**California Bearing Grape Acreage
By Varietal Type, Production and Yield Per Acre**

Year	BEARING ACREAGE				Fresh Grape Production (tons)	Yield Per Acre (tons)
	Total	Wine	Table	Raisins		
2007	789,000	480,000	82,000	227,000	6,230,000	7.90
2008	786,000	482,000	83,000	221,000	6,532,000	8.31
2009	789,000	489,000	84,000	216,000	6,548,000	8.30
2010	789,000	489,000	84,000	209,076	6,544,000	8.29
2011	792,000	497,000	85,000	210,000	6,700,000	8.46
2012	796,000	506,000	85,000	205,000	6,488,000	8.15
2013	793,000	508,000	85,000	200,000	6,678,000	8.42
2014	820,000	525,000	95,000	200,000	7,717,000	9.41
2015	865,000	565,000	110,000	190,000	6,822,000	7.89
2016	856,000	560,000	112,000	184,000	6,847,000	8.00
TEN YEAR AVERAGE						
	807,500	510,100	90,500	206,208	6,710,600	8.31

Source: Agricultural Statistics Board NASS, USDA - July 2016

The total production of grapes in California continues to be influenced more by the change in production per acre than by any change in bearing acreage. The ten year average grape production per acre was 5.2 tons - 1940-49; 6.2 tons - 1950-59; 7.1 tons - 1960-69; 7.0 tons - 1970-79; 7.92 tons - 1980-89 and 8.02 tons for the ten years 1990-99. The increased production per acre has been significant in the increase in total grape production. The 10 year average bearing acreage for 1940-49 was 501,785 acres, the 10 year average for 1980-89 was 643,329 acres and 673,270 acres for the ten years 1990-99.

Table 1A

**California Non-Bearing Grape Acreage
By Varietal Type**

NON-BEARING ACREAGE				
Year	Total	Wine	Table	Raisins
2006	39,977	27,280	8,268	4,429
2007	59,000	43,000	10,000	6,000
2008	58,000	44,000	10,000	4,000
2009	54,000	42,000	9,000	3,000
2010	50,000	38,000	9,000	3,000
2011	52,000	37,000	11,000	4,000
2012	54,000	38,000	13,000	3,000
2013	58,000	45,000	10,000	3,000
2014	63,000	50,000	11,000	2,000
2015	62,000	48,000	12,000	2,000
TEN YEAR AVERAGE				
	54,998	41,228	10,327	3,443

Source: CA Grape Acreage Report, April 2016

Table 2

**California Total Annual Grape Production
By Varietal Type and Utilization
2011-2015
(Fresh Tons)**

Varietal Type	2011-2012 Crop		2012-2013 Crop		2013-2014 Crop		2014-2015 Crop		2015-2016 Crop	
	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%
Raisins										
Dried	1,541,000	75.06	1,508,000	77.10	1,831,000	81.41	1,544,000	87.58	1,858,000	92.58
Crushed	373,000	18.17	300,000	15.34	328,000	14.58	155,000	8.79	92,000	4.58
Canned	25,000	1.22	25,000	1.28	25,000	1.11	21,000	1.19	22,000	1.10
Fresh Sales	114,000	5.55	123,000	6.29	65,000	2.89	43,000	2.44	35,000	1.74
Total Production	2,053,000	31.64	1,956,000	29.27	2,249,000	28.93	1,763,000	25.95	2,007,000	29.35
Wine										
Crushed	3,343,000	98.82	3,700,000	98.93	4,245,000	100.00	3,893,000	100.00	3,705,000	100.00
Fresh Sales	40,000	1.18	40,000	1.07	N/A	N/A	N/A	N/A	N/A	N/A
Total Production	3,383,000	52.14	3,740,000	55.96	4,245,000	54.61	3,893,000	57.29	3,705,000	54.19
Table										
Dried	55,000	5.04	56,000	5.67	53,000	4.14	68,000	5.83	61,000	5.37
Crushed	210,000	19.23	100,000	10.13	180,000	14.07	95,000	8.15	71,000	6.26
Fresh Sales	827,000	75.73	831,000	84.19	1,046,000	81.78	1,003,000	86.02	1,003,000	88.37
Total Production	1,092,000	16.83	987,000	14.77	1,279,000	16.45	1,166,000	17.16	1,135,000	16.60
Total Grape										
Dried	1,596,000	24.60	1,564,000	23.40	1,884,000	24.24	1,612,000	23.72	1,919,000	28.07
Crushed	3,926,000	60.51	4,100,000	61.35	4,753,000	61.15	4,116,000	60.57	3,858,000	56.43
Canned	25,000	0.39	25,000	0.37	25,000	0.32	21,000	0.31	22,000	0.32
Fresh Sales	941,000	14.50	994,000	14.87	1,111,000	14.29	1,046,000	15.39	1,038,000	15.18
Total Production	6,488,000	100.00	6,683,000	100.00	7,773,000	100.00	6,795,000	100.00	6,837,000	100.00

Percentages in Relation to Total Annual Production and Type of Production

Source: Agricultural Statistics Board NASS, USDA, Noncitrus Fruits and Nuts - July 2016. Percentages computed by the RAC.

Table 3

**Raisin Deliveries By Varietal Types
2006-2015
(Sweatbox Tons)**

Varietal Type	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Natural Seedless	282,999	329,288	364,268	298,532	354,878	346,132	311,090	364,794	303,890	336,697
Dipped Seedless	2,456	3,225	4,845	3,827	4,440	2,352	3,644	4,925	3,947	2,926
Golden Seedless	13,833	17,626	19,782	17,008	21,827	21,960	17,340	21,402	19,128	21,110
Zante Currants	2,968	3,347	2,912	2,708	3,468	3,167	2,976	2,885	3,084	3,091
Sultanas	216	93	67	63	66	76	68	58	59	33
Muscat	7	3	5	8	5	3	0	0	24	0
Monukka	364	280	287	155	140	130	111	85	73	70
Other Seedless	5,170	5,231	6,529	7,304	11,351	9,035	9,655	10,469	13,865	11,065
Other Seedless, Sulf.	963	687	521	413	808	471	381	530	424	457
TOTALS	308,976	359,780	399,217	330,018	396,983	383,326	345,265	405,148	344,494	375,449

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Table 3A**Top 20 Destinations for Crop Year 2015-2016
Natural Seedless
(Packed Tons)**

YTD Rank	Destination	YTD Tonnage 8/01/15-7/31/16	Previous YTD tonnage 8/01/14-7/31/15
1	United States	173,714	180,627
2	Japan	27,249	24,964
3	United Kingdom	8,945	12,674
4	Canada	8,426	9,098
5	Germany	7,892	8,029
6	China	7,567	8,304
7	Korea	4,334	4,704
8	Sweden	4,026	4,701
9	Taiwan	3,971	4,671
10	Philippines	3,127	3,115
11	Thailand	2,969	3,001
12	Mexico	2,647	4,095
13	Norway	2,393	2,895
14	Malaysia	2,090	3,071
15	Netherlands	2,073	3,019
16	Denmark	1,863	3,419
17	Hong Kong	1,790	1,669
18	Singapore	1,399	1,568
19	Indonesia	1,324	1,441
20	New Zealand	1,270	1,349

*Historically a large volume of China exports are transshipped directly to Japan.

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Table 4

**Free Tonnage Shipments By Country of Destination
Natural Seedless Raisins
August 1 - July 31
(Packed Tons)**

<i>Country of Destination</i>	2014-2015	2015-2016	Percent Gain/Loss (2014-2015=100%)
<i>European Countries</i>			
Austria	169	164	-2.95%
Belgium	266	546	105.26%
Denmark	3,419	1,863	-45.51%
Ireland	620	1,222	97.04%
Finland	1,613	1,186	-26.47%
France	150	98	-34.67%
Germany	8,029	7,892	-1.71%
Israel	710	689	-2.98%
Italy	0	38	100.00%
Netherlands	3,019	2,073	-31.33%
Norway	2,895	2,393	-17.33%
Spain	286	209	26.80%
Sweden	4,701	4,026	-14.35%
Switzerland	0	22	100.00%
United Kingdom	12,674	8,945	-29.42%
Total European Countries	38,551	31,366	-18.64%
<i>Latin American Republics</i>			
Brazil	412	287	-30.29%
Colombia	378	611	61.64%
Costa Rica	622	347	-44.21%
Dominican Republic	1,215	1,071	-11.81%
Ecuador	5	3	-40.00%
Mexico	4,095	2,647	-35.37%
Panama	512	463	-9.56%
Puerto Rico	21	0	-100.00%
Venezuela	22	0	-100.00%
Others	1,194	910	-23.74%
Total Latin American Republics	8,476	6,339	-25.22%
<i>Other Countries</i>			
Australia	2,690	811	-69.86%
China	8,304	7,567	-8.87%
Hong Kong	1,669	1,790	7.27%
Iceland	294	288	-2.17%
Indonesia	1,441	1,324	-8.15%
Japan	24,964	27,249	9.16%
South Korea	4,704	4,334	-7.87%
Malaysia	3,071	2,090	-31.94%
New Zealand	1,349	1,270	-5.84%
USSR - Russia	0	0	0.00%
Philippines	3,115	3,127	0.38%
Singapore	1,568	1,399	-10.79%
Taiwan	4,671	3,971	-14.98%
Thailand	3,001	2,969	-1.05%
Others	3,539	2,629	-25.72%
Total Other Countries	64,380	60,818	-5.53%
GRAND TOTAL	111,407	98,523	-11.56%

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Table 4 ZC

**Free Tonnage Shipments By Country of Destination
Zante Currant Raisins
August 1 - July 31
(Packed Tons)**

<i>Country of Destination</i>	2014-2015	2015-2016	Percent Gain/Loss (2014-2015=100%)
<i>European Countries</i>			
Austria	0	0	0.00%
Belgium	0	0	0.00%
Denmark	0	0	0.00%
Ireland	0	0	0.00%
Finland	0	0	0.00%
France	0	0	0.00%
Germany	0	0	0.00%
Israel	0	45	100.00%
Italy	0	(3)	0.00%
Netherlands	21	0	-100.00%
Norway	0	0	0.00%
Spain	0	0	0.00%
Sweden	6	7	16.66%
Switzerland	0	0	0.00%
United Kingdom	0	0	0.00%
Total European Countries	27	49	81.48%
<i>Latin American Republics</i>			
Brazil	0	0	0.00%
Colombia	0	0	0.00%
Costa Rica	0	0	0.00%
Dominican Republic	0	0	0.00%
Ecuador	0	0	0.00%
Mexico	1	0	-100.00%
Panama	0	0	0.00%
Puerto Rico	0	0	0.00%
Venezuela	0	0	0.00%
Others	4	0	-100.00%
Total Latin American Republics	5	0	-100.00%
<i>Other Countries</i>			
Australia	40	0	-100.00%
China	329	314	-4.56%
Hong Kong	1	0	-100.00%
Iceland	0	0	0.00%
Indonesia	7	231	3200.00%
Japan	522	467	-10.50%
South Korea	12	28	133.33%
Malaysia	33	36	9.09%
New Zealand	0	5	100.00%
USSR - Russia	0	0	0.00%
Philippines	9	4	-55.56%
Singapore	39	42	7.69%
Taiwan	29	28	-3.45%
Thailand	0	0	0.00%
Others	0	11	100.00%
Total Other Countries	1,021	1,166	14.27%
GRAND TOTAL	1,053	1,215	15.39%

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Table 4A

Free Tonnage Export Shipments
(Excluding Canada)
Natural Seedless Raisins
2011 - 2015
(Packed Tons)

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
August	12,636	11,805	9,980	11,560	8,212
September	11,561	11,309	10,547	10,480	8,749
October	10,006	9,939	12,084	10,314	9,302
November	10,790	7,569	10,462	7,051	6,807
December	9,574	7,773	12,396	9,935	8,521
January	9,325	8,803	12,088	5,712	7,012
February	8,625	8,714	12,174	8,542	7,530
March	9,066	9,217	13,113	11,883	7,233
April	8,867	8,737	13,119	10,625	8,525
May	10,164	8,566	13,051	8,174	8,725
June	10,005	7,421	12,426	7,840	9,585
July	8,754	8,963	11,317	9,291	8,322
TOTAL YEAR	119,373	108,816	142,757	111,407	98,523

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Table 4B

Free Tonnage Export Shipments
(Excluding Canada)
Zante Currant Raisins
2011 - 2015
(Packed Tons)

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
August	84	125	106	207	128
September	92	84	125	52	151
October	102	61	128	155	66
November	89	100	124	72	65
December	29	54	68	45	86
January	25	46	119	69	67
February	58	142	150	47	101
March	69	172	71	132	81
April	64	148	184	62	100
May	78	146	67	91	130
June	97	51	179	76	123
July	118	102	113	45	117
TOTAL YEAR	905	1,231	1,434	1,053	1,215

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Table 5

Free Tonnage Shipments To Domestic And Canadian Markets
(Including Government)
Natural Seedless Raisins
2011 - 2015
(Packed Tons)

	2011-2012		2012-2013		2013-2014		2014-2015		2015-2016	
	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%
August										
Packed	6,445	39	5,656	34	4,900	31	4,779	26	4,269	30
Bulk	10,251	61	11,017	66	10,656	69	13,588	74	9,775	70
TOTAL	16,696	100	16,673	100	15,556	100	18,367	100	14,044	100
September										
Packed	6,091	37	5,234	36	5,204	35	5,489	32	5,651	36
Bulk	10,395	63	9,358	64	9,791	65	11,494	68	10,029	64
TOTAL	16,486	100	14,592	100	14,995	100	16,983	100	15,680	100
October										
Packed	6,577	39	6,624	37	6,871	38	7,364	39	6,313	36
Bulk	10,264	61	11,368	63	11,232	62	11,357	61	11,228	64
TOTAL	16,841	100	17,992	100	18,103	100	18,721	100	17,541	100
November										
Packed	6,665	40	6,450	41	6,469	39	5,333	39	5,177	30
Bulk	10,107	60	9,405	59	10,171	61	8,470	61	11,958	70
TOTAL	16,772	100	15,855	100	16,640	100	13,803	100	17,135	100
December										
Packed	5,612	38	5,485	41	5,353	36	5,305	34	5,763	34
Bulk	9,014	62	7,980	59	9,488	64	10,140	66	11,131	66
TOTAL	14,626	100	13,465	100	14,841	100	15,445	100	16,894	100
January										
Packed	5,197	36	5,443	35	5,126	31	4,781	33	4,853	29
Bulk	9,270	64	9,991	65	11,316	69	9,685	67	11,967	71
TOTAL	14,467	100	15,434	100	16,442	100	14,466	100	16,820	100
February										
Packed	5,097	33	4,712	33	5,290	35	5,053	35	4,797	30
Bulk	10,212	67	9,637	67	9,814	65	9,522	65	11,304	70
TOTAL	15,309	100	14,349	100	15,104	100	14,575	100	16,101	100
March										
Packed	5,990	36	5,575	36	5,747	34	6,317	36	5,120	33
Bulk	10,574	64	9,995	64	11,031	66	11,287	64	10,337	67
TOTAL	16,564	100	15,570	100	16,778	100	17,604	100	15,457	100
April										
Packed	4,824	33	4,846	30	5,367	28	4,990	31	3,902	29
Bulk	9,905	67	11,472	70	13,585	72	11,309	69	9,361	71
TOTAL	14,729	100	16,318	100	18,952	100	16,299	100	13,263	100
May										
Packed	4,188	29	4,819	30	4,580	24	4,277	29	3,970	29
Bulk	10,073	71	11,189	70	14,863	76	10,349	71	9,521	71
TOTAL	14,261	100	16,008	100	19,443	100	14,626	100	13,491	100
June										
Packed	3,953	31	4,574	38	4,579	27	3,874	27	3,744	29
Bulk	8,947	69	7,344	62	12,374	73	10,620	73	9,325	71
TOTAL	12,900	100	11,918	100	16,953	100	14,494	100	13,069	100
July										
Packed	4,475	32	4,880	30	4,862	26	4,071	28	4,050	32
Bulk	9,577	68	11,363	70	14,140	74	10,271	72	8,595	68
TOTAL	14,052	100	16,243	100	19,002	100	14,342	100	12,645	100
TOTAL YEAR										
Packed	65,114	35	64,298	35	64,348	32	61,633	32	57,609	32
Bulk	118,589	65	120,119	65	138,461	68	128,092	68	124,531	68
TOTAL	183,703	100	184,417	100	202,809	100	189,725	100	182,140	100

Table 6

**Free Tonnage Shipments To All Market Outlets
2008 - 2015
(Sweatbox Tons)**

Variety	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Natural Seedless								
Domestic & Canada	200,775	194,879	191,211	196,682	194,950	213,084	201,238	196,238
Export Free	131,587	159,363	136,982	127,808	115,031	149,989	118,167	106,149
Total	332,361	354,242	328,193	324,490	309,981	363,073	319,405	302,387
Dipped Seedless								
Domestic & Canada	3,192	4,389	5,397	1,876	3,195	4,441	2,027	4,322
Export Free	0	23	34	184	585	724	326	579
Total	3,192	4,412	5,431	2,060	3,780	5,165	2,353	4,901
Golden Seedless								
Domestic & Canada	12,899	12,632	14,066	13,419	13,697	12,988	15,194	14,569
Export Free	5,832	5,245	6,521	5,828	5,392	6,208	6,178	5,198
Total	18,731	17,877	20,587	19,247	19,089	19,196	21,372	19,767
Zante Currants								
Domestic & Canada	1,786	1,583	1,307	1,448	1,777	1,684	1,873	1,437
Export Free	2,060	895	1,205	1,089	1,458	1,680	1,415	1,401
Total	3,846	2,478	2,512	2,537	3,235	3,364	3,288	2,838
Sultanas								
Domestic & Canada	78	83	57	60	64	76	32	48
Total	78	83	57	60	64	76	32	48
Muscats								
Domestic & Canada	14	0	2	0	23	0	0	0
Export Free	0	0	0	0	0	0	0	0
Total	14	0	2	0	23	0	0	0
Monukka Type								
Domestic & Canada	376	153	109	126	108	117	84	34
Export Free	1	0	0	0	0	0	0	0
Total	377	153	109	126	108	117	84	34
Other Seedless								
Domestic & Canada	5,408	6,716	9,374	6,283	7,873	6,634	8,533	12,171
Export Free	942	1,367	1,482	2,659	1,559	2,140	1,427	1,086
Total	6,350	8,083	10,856	8,942	9,432	8,774	9,960	13,257
Other Seedless Sulfured								
Domestic & Canada	254	462	456	430	311	416	399	331
Export Free	0	23	166	100	59	64	161	32
Total	254	485	622	530	370	479	560	363
TOTAL ALL VARIETIES	365,203	387,813	368,369	357,992	346,082	400,244	357,054	343,595

Table 6A

**Free Tonnage Shipments To All Market Outlets
2008 - 2015
(Packed Tons)**

Variety	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Natural Seedless								
Domestic & Canada	191,929	186,176	180,344	183,703	184,417	202,809	189,725	182,140
Export Free	125,789	152,246	129,198	119,373	108,816	142,757	111,407	98,523
Total	317,718	338,422	309,542	303,076	293,233	345,566	301,132	280,663
Dipped Seedless								
Domestic & Canada	3,480	3,629	4,803	1,618	2,847	3,056	1,547	4,084
Export Free	0	19	30	158	522	499	249	547
Total	3,480	3,648	4,833	1,776	3,369	3,555	1,796	4,631
Golden Seedless								
Domestic & Canada	11,539	11,699	12,614	11,986	12,486	11,928	13,263	13,364
Export Free	5,217	4,858	5,848	5,206	4,915	5,701	5,393	4,769
Total	16,756	16,557	18,462	17,192	17,401	17,629	18,656	18,133
Zante Currants								
Domestic & Canada	1,536	1,382	1,090	1,205	1,501	1,439	1,394	1,247
Export Free	1,771	781	1,003	905	1,231	1,434	1,053	1,215
Total	3,307	2,163	2,093	2,110	2,732	2,873	2,447	2,462
Sultanas								
Domestic & Canada	56	52	37	58	57	53	23	45
Total	56	52	37	58	57	53	23	45
Muscats								
Domestic & Canada	2	0	2	0	0	0	0	0
Export Free	0	0	0	0	0	0	0	0
Total	2	0	2	0	0	0	0	0
Monukka Type								
Domestic & Canada	347	126	101	142	71	94	54	43
Export Free	1	0	0	0	0	0	0	0
Total	348	126	101	142	71	94	54	43
Other Seedless								
Domestic & Canada	4,363	5,386	7,237	5,750	7,114	6,353	7,210	11,439
Export Free	760	1,096	1,144	2,434	1,409	2,050	1,206	1,020
Total	5,123	6,482	8,381	8,184	8,523	8,403	8,416	12,459
Other Seedless Sulfured								
Domestic & Canada	406	422	396	450	328	401	212	535
Export Free	0	21	144	105	62	61	86	52
Total	406	443	540	555	390	462	298	587
TOTAL ALL VARIETIES	347,196	367,893	343,991	333,093	325,776	378,635	332,822	319,023

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Table 7

**Free Tonnage Shipments To Domestic And Canadian Markets
(Including Government)
Natural Seedless Raisins
2000 - 2015
(Packed Tons)**

Crop Year	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total
2000-01	11,303 **	9,391 **	13,002 **	11,793 **	23,696	20,097	14,028	14,611	15,275	13,249	13,324	14,348	174,117
2001-02	17,192	13,049	18,783	15,541	11,745	15,457	12,655	13,878	14,187	13,815	12,253	16,065	174,620
2002-03	16,163	16,661	17,326	15,181	13,496	14,971	12,147	15,556	14,059	13,661	12,835	14,998	177,054
2003-04	13,761	17,209	18,345	14,976	14,326	14,663	14,965	16,557	14,086	12,819	13,742	14,636	180,085
*2004-05	17,930	17,431	17,644	16,638	16,166	15,088	14,385	17,298	17,717	14,014	15,525	13,844	193,680
2005-06	18,773	17,176	17,600	17,322	14,255	14,502	14,440	17,066	14,914	13,331	16,065	10,914	186,358
2006-07	16,991	16,214	18,942	16,066	13,685	15,136	14,589	16,853	15,759	16,448	12,451	15,810	188,944
2007-08	17,805	14,936	18,918	16,826	13,117	17,155	16,624	16,097	15,936	15,166	13,940	17,089	193,609
2008-09	15,753	15,731	18,649	15,869	15,039	16,044	14,387	16,871	15,912	15,395	16,845	15,436	191,929
2009-10	14,438	17,414	16,949	17,813	14,990	14,588	13,839	17,279	16,097	13,870	14,772	14,127	186,176
*2010-11	15,282	17,097	17,205	16,052	16,224	15,231	13,951	16,966	14,106	13,036	13,157	12,037	180,344
*2011-12	16,696	16,486	16,841	16,772	14,626	14,467	15,309	16,564	14,729	14,261	12,900	14,052	183,703
*2012-13	16,673	14,592	17,992	15,855	13,465	15,434	14,349	15,570	16,318	16,008	11,918	16,243	184,417
*2013-14	15,556	14,995	18,103	16,640	14,841	16,442	15,104	16,778	18,952	19,443	16,953	19,002	202,809
*2014-15	18,367	16,983	18,721	13,803	15,445	14,466	14,575	17,604	16,299	14,626	14,494	14,342	189,725
*2015-16	14,044	15,680	17,541	17,135	16,894	16,820	16,101	15,457	13,263	13,491	13,069	12,645	182,140
TEN YEAR AVERAGE	16,161	16,013	17,986	16,283	14,833	15,578	14,883	16,604	15,737	15,174	14,050	15,078	188,380

* No Pool Established

** Months shipments under reported and tonnage recorded Dec/Jan.

Table 8

**Free Tonnage Made Available For Disposition In Commercial Trade Channels
Natural Seedless Raisins
2006 - 2015
(Sweetbox Tons)**

	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Natural Seedless Total Deliveries	282,999	329,288	364,268	298,532	354,878	346,132	311,090	364,794	303,890	336,697
Free Tonnage Purchase ^c	254,703	279,895	316,913	253,752	354,878	346,132	311,090	364,794	303,890	336,697
Reserve Tonnage Purchased (a)	52,689	69,604	35,844	56,798	64	0	0	0	0	0
Total Tonnage Purchase ^c	307,392	349,499	352,757	310,550	354,942	346,132	311,090	364,794	303,890	336,697
Packers' August 1 Carryin (b)	111,444	105,430	106,249	126,824	83,143	110,206	132,061	132,407	138,215	122,954
Total Disposable Tonnage ^c	418,836	454,929	459,006	437,374	438,085	456,338	443,151	497,201	442,105	459,651
Commercial Shipments	313,616	349,598	332,362	354,242	328,193	324,490	309,981	363,073	319,405	302,387
July 31 Carryout (calculated)	105,220	105,331	126,645	83,132	109,892	131,848	133,170	134,128	122,700	157,264

(a) Export and 10+10

(b) Packers' Carryin Inventory Report

Table 9

**SUPPLY AND DISPOSITION
NATURAL SEEDLESS RAISINS
2006-2015
(Sweatbox Tons)**

	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Total Disposable Free Tonnage	418,836	454,929	459,006	437,374	438,085	456,338	443,151	497,201	442,105	459,651
Disposition										
Domestic & Canada	203,889	201,355	200,775	194,879	191,211	196,682	194,950	213,084	201,238	196,238
Export Free	109,727	148,243	131,587	159,363	136,982	127,808	115,031	149,989	118,167	106,149
Total Disposition	313,616	349,598	332,362	354,242	328,193	324,490	309,981	363,073	319,405	302,387
Carryout (Calculated)	105,220	105,331	126,644	83,132	109,892	131,848	133,170	134,128	122,700	157,264
Reserve Tonnage										
Total Available Supply	77,783	70,257	48,002	56,934	71	2	0	0	0	0
Released for Export*	0	0	25,438	11,604	0	0	0	0	0	0
Other Disposition	77,783	70,257	22,564	45,330	71	2	0	0	0	0
Exports										
Free Tonnage	109,727	148,243	131,587	159,363	136,982	127,808	115,031	149,989	118,167	106,149
Reserve Shipments	0	0	0	0	0	0	0	0	0	0
Total Exports	109,727	148,243	131,587	159,363	136,982	127,808	115,031	149,989	118,167	106,149

* Raisin-Back

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Table 10

**Supply And Disposition Of Reserve Pool Tonnage
Natural Seedless Raisins
2008-2015
(Sweatbox Tons)**

	2008-2009 Crop Year	2009-2010 Crop Year	2010-2011 Crop Year	2011-2012 Crop Year	2012-2013 Crop Year	2013-2014 Crop Year	2014-2015 Crop Year	2015-2016 Crop Year
SUPPLY								
Reserve Tonnage	47,355	44,780	0	0	0	0	0	0
Carry In From Previous Year	647	12,154	71	2	0	0	0	0
Total Reserve Supply	48,002	56,934	71	2	0	0	0	0
DISPOSITION								
10 & 10**	10,406	45,194	64	0	0	0	0	0
Export*	25,438	11,604	0	0	0	0	0	0
Raisin Diversion Program	0	0	0	0	0	0	0	0
Government	0	0	0	0	0	0	0	0
Non-Normal Outlets	0	0	0	0	0	0	0	0
Distillation	0	0	0	0	0	0	0	0
Donations	4	15	3	2	0	0	0	0
Miscellaneous	0	50	2	0	0	0	0	0
Carry Out To Subsequent Year	12,154	71	2	0	0	0	0	0
Total Disposition	48,002	56,934	71	2	0	0	0	0

** Includes all Reserve for Free Usage Sales

* Raisin-Back

Table 11

**Reserve Pool Percentages
Natural Seedless Raisins
2001-2015**

Crop Year	Preliminary Percentages		Secretary Established		Date Established	Basis for Pool Payments	
	Free	Reserve	Free	Reserve		Free	Reserve
2001-02	56	44	63	37	07/19/02	63	37
2002-03	41	59	53	47	04/03/03	53	47
2003-04	65	35	70	30	08/10/04	70	30
2004-05	100	0	100	0	10/05/04	100	0
2005-06	74	26	82.5	17.5	05/23/06	82.5	17.5
2006-07	89.75	10.25	90	10	04/10/07	90	10
2007-08	84.75	15.25	85	15	02/20/08	85	15
2008-09	86.75	13.25	87	13	03/10/09	87	13
2009-10	84.75	15.25	85	15	06/25/10	85	15
2010-11	100	0	100	0	10/05/10	100	0
2011-12	100	0	100	0	08/15/12	100	0
2012-13	100	0	100	0	08/15/13	100	0
2013-14	100	0	100	0	08/14/14	100	0
2014-15	100	0	100	0	08/20/15	100	0
2015-16	100	0	100	0	08/16/16	100	0

RAC - August 2016

Table 12

**Comparison Of Packer Acquisitions By Week
Natural Seedless Raisins
2011-2015
(Sweatbox Tons)**

Page 1 of 2

Week of Delivery	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
1	172	64	8	1,423	1,306
2	15	130	29	0	650
3	303	1,181	50	562	0
4	2,383	1,000	11	730	107
Comparative 4 Week Total	2,873	2,375	98	2,715	2,063
5	22	119	420	438	674
6	97	1,510	3,986	3,625	3,168
7	492	2,826	8,785	10,997	5,680
8	3,364	10,782	16,960	15,321	9,446
9	9,596	18,663	20,481	20,005	12,012
Comparative 5 Week Total	13,571	33,900	50,632	50,386	30,980
10	12,455	26,281	21,172	20,469	14,251
11	19,225	34,830	26,995	26,703	16,735
12	21,203	31,458	27,254	22,334	17,538
13	22,864	28,078	22,268	17,301	19,084
Comparative 4 Week Total	75,747	120,647	97,689	86,807	67,608
14	23,197	24,869	23,259	17,464	11,388
15	24,999	15,751	15,568	31,879	19,389
16	21,531	10,453	15,611	10,670	17,266
17	10,181	4,163	36,395	17,157	5,250
Comparative 4 Week Total	79,908	55,236	90,833	77,170	53,293
18	16,239	17,688	17,898	4,238	14,692
19	13,478	7,932	7,788	10,207	8,922
20	11,433	5,428	6,693	9,115	11,579
21	10,394	10,622	2,146	1,850	2,910
22	5,485	1,093	2,132	1,850	3,728
Comparative 5 Week Total	57,029	42,763	36,657	27,260	41,831
23	7,273	2,865	4,690	4,888	15,773
24	13,813	3,449	21,407	2,796	6,823
25	5,995	9,370	3,273	3,532	6,956
26	5,645	3,679	2,993	1,537	9,806
Comparative 4 Week Total	32,726	19,363	32,363	12,753	39,358
27	5,055	5,035	3,615	10,417	4,385
28	4,895	2,424	5,203	1,706	5,196
29	6,905	1,447	2,176	2,056	8,107
30	8,647	1,489	2,957	2,642	2,870
Comparative 4 Week Total	25,502	10,395	13,951	16,821	20,558

Table 12 (cont.)

**Comparison Of Packer Acquisitions By Week
Natural Seedless Raisins
2011-2015
(Sweatbox Tons)**

Page 2 of 2

Week of Delivery	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
31	5,111	1,520	3,739	1,459	10,078
32	11,187	1,718	3,453	7,546	4,260
33	1,302	1,469	3,963	655	2,992
34	2,431	1,960	2,342	1,587	4,416
Comparative 4 Week Total	20,031	6,667	13,497	11,247	21,746
35	1,892	1,366	7,809	788	2,685
36	4,010	519	705	427	18,834
37	2,084	760	1,453	2,990	(8,020)
38	2,961	629	2,438	2,961	16,216
39	1,433	884	1,043	2,344	2,495
Comparative 5 Week Total	12,380	4,158	13,448	9,510	32,210
40	1,882	1,162	1,889	1,428	4,152
41	1,919	835	1,488	1,922	2,244
42	1,493	1,509	1,452	1,887	792
43	1,738	1,397	1,841	(1,971)	5,664
Comparative 4 Week Total	7,032	4,903	6,670	3,266	12,852
44	1,758	1,241	1,666	109	1,611
45	1,833	1,044	1,168	988	2,174
46	1,291	740	1,395	1,320	6,159
47	1,486	186	1,248	1,287	1,307
Comparative 4 Week Total	6,368	3,211	5,477	3,704	11,251
48	2,826	22	538	44	723
49	3,650	19	744	699	672
50	137	567	777	1,160	83
51	535	682	218	53	6
52	5,817	6,182	1,202	295	1,463
Comparative 5 Week Total	12,965	7,472	3,479	2,251	2,947
YEARLY TOTAL	346,132	311,090	364,794	303,890	336,697

RAC - September 2016

Table 13

**Free Tonnage Supply And Demand Situation
Natural Seedless Raisins
2001-2015
(Sweatbox Tons)**

Crop Year	S U P P L Y					S H I P M E N T S				
	Acquired	Percent Free	Free Tonnage	Carryin	Purchased From Reserve	Total Free Supply	Canada and Domestic	Export (Free)	Total Disposition	Computed Carryout
2001-02	377,328	63.0	237,716	116,131	76,827	430,674	186,361	112,272	298,633	132,041
2002-03	388,010	53.0	205,668 **	132,135	76,146	413,949	189,160	108,480	297,640	116,309
2003-04	296,864	70.0	207,818 **	129,345	61,186	398,349	191,376	112,860	304,236	94,113
2004-05	265,262	100.0	265,262	95,003	72,789	433,054	205,002	112,996	317,998	115,056
2005-06	319,126	82.5	263,287 **	114,792	31,975	410,054	195,822	102,632	298,454	111,600
2006-07	282,999	90.0	254,703 **	111,444	52,689	418,836	203,889 ***	109,727	313,616	105,220
2007-08	329,288	85.0	279,895	105,430	69,604	454,929	201,355 ***	148,243	349,598	105,331
2008-09	364,268	87.0	316,913	106,249	35,844	459,006	200,775 ***	131,587	332,362	126,644
2009-10	298,532	85.0	253,752	126,824	56,798	437,374	194,879 ***	159,363	354,242	83,132
2010-11	354,878	100.0	354,878	83,143	64	438,085	191,211 ***	136,982	328,193	109,892
2011-12	346,132	100.0	346,132	110,206	0	456,338	196,682 ***	127,808	324,490	131,848
2012-13	311,090	100.0	311,090	132,061	0	443,151	194,950 ***	115,031	309,981	133,170
2013-14	364,794	100.0	364,794	132,407	0	497,201	213,084 ***	149,989	363,073	134,128
2014-15	303,890	100.0	303,890	138,215	0	442,105	201,238 ***	118,167	319,405	122,700
2015-16	336,697	100.0	336,697	122,954	0	459,651	196,238 ***	106,149	302,387	157,264
TEN YEAR AVERAGE										
	329,257	95 *	312,274	116,893	21,500	450,668	199,430	130,305	329,735	120,933

* Percentage is a weighted average

** Adjusted for exempt tonnage

***Includes Government Free

RAC - September 2016

Table 14

**Calculated Free Tonnage Disappearance
Natural Seedless Raisins
2006-2015
(Sweatbox Tons)**

Crop Year	Reported Beginning Physical Inventory	Free Tonnage	Reported Ending Physical Inventory	Free Tonnage Disappearance	Handler Reported Shipments (Packed Tons)	Calculated Shrink (a)
2006-07	111,444	307,392	105,430	313,406	290,628	7.27%
2007-08	105,430	349,499	106,249	348,680	336,150	3.59%
2008-09	106,249	352,757	126,824	332,182	317,718	4.35%
2009-10	126,824	310,550	83,143	354,232	338,422	4.46%
2010-11	83,143	354,942	110,206	327,878	309,542	5.59%
2011-12	110,206	346,132	132,061	324,277	303,076	6.54%
2012-13	132,061	311,090	132,407	310,744	293,233	5.64%
2013-14	132,407	364,794	138,215	358,986	345,566	3.74%
2014-15	138,215	303,890	122,954	319,151	301,132	5.65%
2015-16	122,954	336,697	158,287	301,364	280,663	6.87%

(a) The calculated shrinkage was determined by dividing Handler Reported Shipments by Free Tonnage Disappearance and deducting the result from 100%.

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Raisins: World Markets and Trade

Global Raisin Production to Rebound

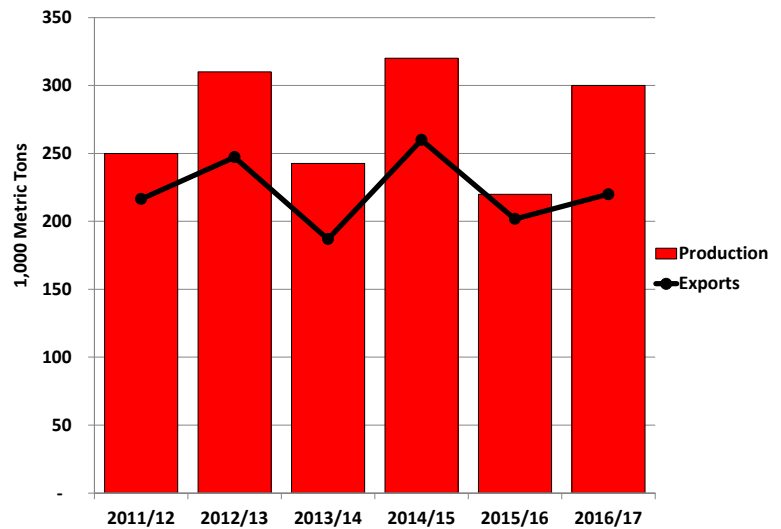
Global raisin production for 2016/17 is forecast to rebound nearly 5 percent to 1.25 million metric tons (tons) as gains in Turkey and Iran more than offset losses in the United States, Chile and China. World consumption is expected to keep pace, rising to 1.23 million tons. Global exports are forecast up 4 percent to nearly 750,000 tons, primarily due to higher shipments from Turkey, the United States and Iran.

Turkey's production is forecast to rise 80,000 tons to 300,000 due to favorable weather following last year's frost damage. With higher available supplies, exports are expected to gain 18,000 tons to 220,000 on strong shipments to its primary market, the EU. Ending stocks are forecast to rise sharply and reach nearly 40,000 tons. In March 2016, Turkey banned the pesticide *chlorpyrifos* in response to the EU publishing a regulation limiting its use. Continued market access is expected.

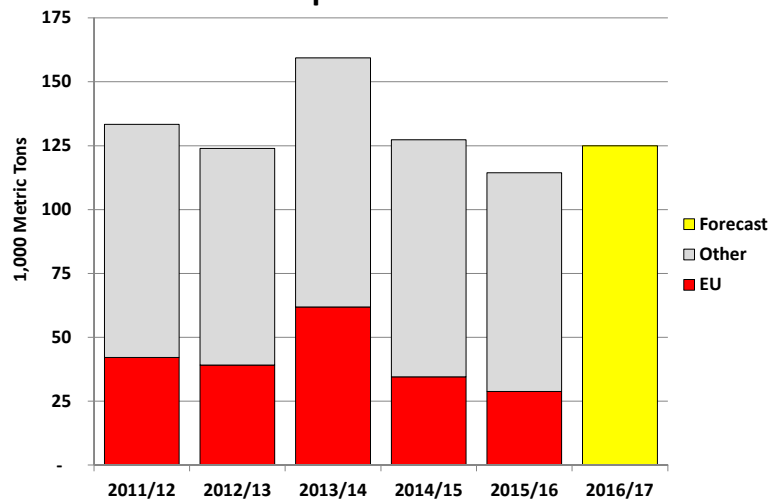
U.S. production is forecast down 33,000 tons to 315,000. Although the [California Raisin Grape Objective Measurement Report](#) was not conducted, the National Agricultural Statistics Service surveyed the industry and published the forecast for California's raisin type grape production in the August 2016 [Crop Production Report](#). Exports are forecast to gain 11,000 tons to reach 125,000 on higher shipments to China, and to a lesser extent, the EU. Ending stocks are expected to decline 25,000 tons to 107,418 following last year's build-up.

China's production is forecast down 5,000 tons to 185,000 as more grapes in the major growing region of Turpan are expected to move to the fresh market on improved prices. Thompson Seedless account for over 85 percent of acreage because this variety is suitable for fresh table grape consumption as well as processing into raisins. Green raisins account for approximately 60 percent of total production

Turkey's Exports Forecast Higher on Larger Crop



U.S. Raisin Exports Forecast to Rebound on Higher Shipments to EU



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and are mostly consumed as snack foods, while dark raisins account for the remainder and are used by the domestic food processing industry. Green raisins are mainly produced by individual farmers using special drying houses, while most dark raisins are produced in factories with sun-drying yards. Exports are forecast down slightly to 25,000 tons on stronger competition from Turkey and the United States.

Chile's production is forecast down 6,000 tons to 62,000 on lower yields, with exports dropping a similar amount. Most raisins are produced from discarded table grapes unsuitable for fresh consumption. Nearly all the raisins are destined for export markets such as Europe, the United States, and Mexico.

South Africa's production and exports are forecast unchanged at 53,000 tons and 45,000 tons, respectively, on expectations of normal growing conditions.

Argentina's production is forecast nearly unchanged at 40,000 tons on expectations of normal weather. About ninety-five percent of raisins are produced in the Province of San Juan, located alongside the Andes Mountains. Since this region averages only 8 inches of rain annually, plantations are irrigated from snowmelt from the Andes. Although land is available for additional plantings, area expansion is limited due to high irrigation costs and low farm-gate prices.

EU imports are forecast to gain 8,000 tons to 335,000 on slightly higher shipments from Turkey and the United States.

Revised 2015/16

World **production** is revised up from the September 2015 estimate by 58,000 tons to 1.2 million.

- Uzbekistan is raised 35,000 tons to 70,000 due to better-than-anticipated yields.
- Turkey is increased 20,000 tons to 220,000 on higher yields.

World **exports** are revised up 14,000 tons to 722,000.

- Uzbekistan is raised 35,000 tons to 68,000 on higher exportable supplies.
- Turkey is increased 27,000 tons to 202,000 on higher-than-anticipated shipments to the EU.
- United States is lowered 46,000 tons to 114,000 on lower-than-anticipated shipments to the EU.

World **imports** are revised higher 47,000 tons to 709,000.

- Kazakhstan is raised 22,000 tons to 42,000 on increased shipments from Uzbekistan.
- China is increased 9,000 tons to 34,000 on higher shipments from Uzbekistan.

World **ending stocks** are revised up 44,000 tons to 142,000.

- United States is raised 44,000 tons to 132,000, the highest level in 10 years, on lower-than-anticipated exports.

For additional information, please contact Tony Halstead at 202-720-4620, or Tony.Halstead@fas.usda.gov

To download additional data tables, go to Production, Supply and Distribution Database (PSD Online): (<http://apps.fas.usda.gov/psdonline/psdHome.aspx>), scroll down to Reports, and Click the plus sign [+] next to Fruits and Vegetables

FAS Reports and Databases:

Current *World Market and Trade* Reports:

<http://apps.fas.usda.gov/psdonline/psdDataPublications.aspx>

Archives *World Market and Trade* Reports:

<http://usda.mannlib.cornell.edu/MannUsda/viewTaxonomy.do?taxonomyID=7>

Production, Supply and Distribution Database (PSD Online):

<http://apps.fas.usda.gov/psdonline/psdHome.aspx>

Global Agricultural Information Network (Agricultural Attaché Reports):

<http://gain.fas.usda.gov/Pages/Default.aspx>

Global Agricultural Trade System (U.S. Exports and Imports):

<http://apps.fas.usda.gov/gats/default.aspx>

Raisin Production, Supply and Distribution for Select Countries

Metric Tons (Dry Weight Basis)

	2011/12	2012/13	2013/14	2014/15	2015/16	Sep 2016/17
Production						
United States	348,631	313,795	368,408	332,211	348,087	315,000
Turkey	250,000	310,000	242,635	320,000	220,000	300,000
China	100,000	150,000	165,000	180,000	190,000	185,000
Iran	150,000	180,000	160,000	130,000	139,000	150,000
Uzbekistan	35,000	22,000	18,000	51,700	69,800	73,000
Chile	74,000	68,500	69,200	65,000	68,000	62,000
South Africa	37,900	46,000	46,000	65,900	53,000	53,000
Argentina	31,500	32,000	20,500	37,000	41,000	40,000
Afghanistan	30,000	24,000	31,000	37,000	33,000	35,000
Australia	13,400	12,500	10,000	12,000	15,000	18,000
Other	22,000	21,000	20,000	20,000	20,000	20,000
Total	1,092,431	1,179,795	1,150,743	1,250,811	1,196,887	1,251,000
Domestic Consumption						
European Union	325,800	344,000	330,900	333,800	326,000	335,000
United States	215,779	205,122	215,636	238,039	230,886	235,000
China	91,000	138,200	144,400	186,939	192,500	200,000
Turkey	35,900	47,133	58,100	55,225	42,500	50,000
Kazakhstan	15,000	6,300	13,200	36,500	42,000	45,000
Australia	36,900	33,600	32,175	27,100	33,300	36,500
Japan	29,500	29,800	30,000	31,000	31,500	32,000
Iran	28,200	30,300	29,300	27,800	26,300	30,000
Brazil	22,900	26,000	25,400	23,200	25,800	27,000
Canada	27,500	27,500	28,800	26,100	25,500	26,000
Other	223,900	238,350	220,800	212,700	200,600	211,100
Total	1,052,379	1,126,305	1,128,711	1,198,403	1,176,886	1,227,600
Ending Stocks						
United States	111,962	113,329	120,693	104,944	132,418	107,418
Turkey	3,500	21,167	20,602	28,177	6,177	39,177
Argentina	0	0	0	2,000	3,000	3,000
Chile	400	375	300	500	500	500
Afghanistan	0	0	0	0	0	0
Other	0	0	0	0	0	0
Total	115,862	134,871	141,595	135,621	142,095	150,095
Exports						
Turkey	216,400	247,200	186,900	259,900	201,800	220,000
United States	133,302	123,899	159,389	127,279	114,393	125,000
Iran	121,800	149,700	130,700	102,200	112,700	120,000
Uzbekistan	32,900	20,000	15,700	49,400	67,800	70,000
Chile	73,600	67,150	66,000	62,000	67,000	60,000
South Africa	24,800	31,900	35,050	52,900	45,000	45,000
Argentina	29,100	29,050	16,300	29,700	35,000	35,000
Other	70,500	65,300	78,700	70,000	78,400	74,000
Total	702,402	734,199	688,739	753,379	722,093	749,000
Imports						
European Union	322,200	340,200	328,900	332,800	327,000	335,000
Kazakhstan	15,000	6,300	13,200	36,500	42,000	45,000
China	22,500	20,900	18,700	29,339	34,000	40,000
Japan	29,500	29,800	30,000	31,000	31,500	32,000
Brazil	22,900	26,000	25,400	23,200	25,800	27,000
Canada	27,500	27,500	28,800	26,100	25,500	26,000
Russia	44,700	47,500	34,100	26,600	26,600	26,000
Australia	24,600	23,800	24,375	19,200	24,000	25,000
United States	18,013	16,593	13,981	17,358	24,666	20,000
Iraq	18,500	20,900	18,300	14,100	16,000	18,000
Other	133,500	140,225	137,675	138,800	131,500	139,600
Total	678,913	699,718	673,431	694,997	708,566	733,600

The marketing year begins in August of the first year for Northern Hemisphere countries and January of the second year for Southern Hemisphere countries.