



Coachella Valley
WATER DISTRICT

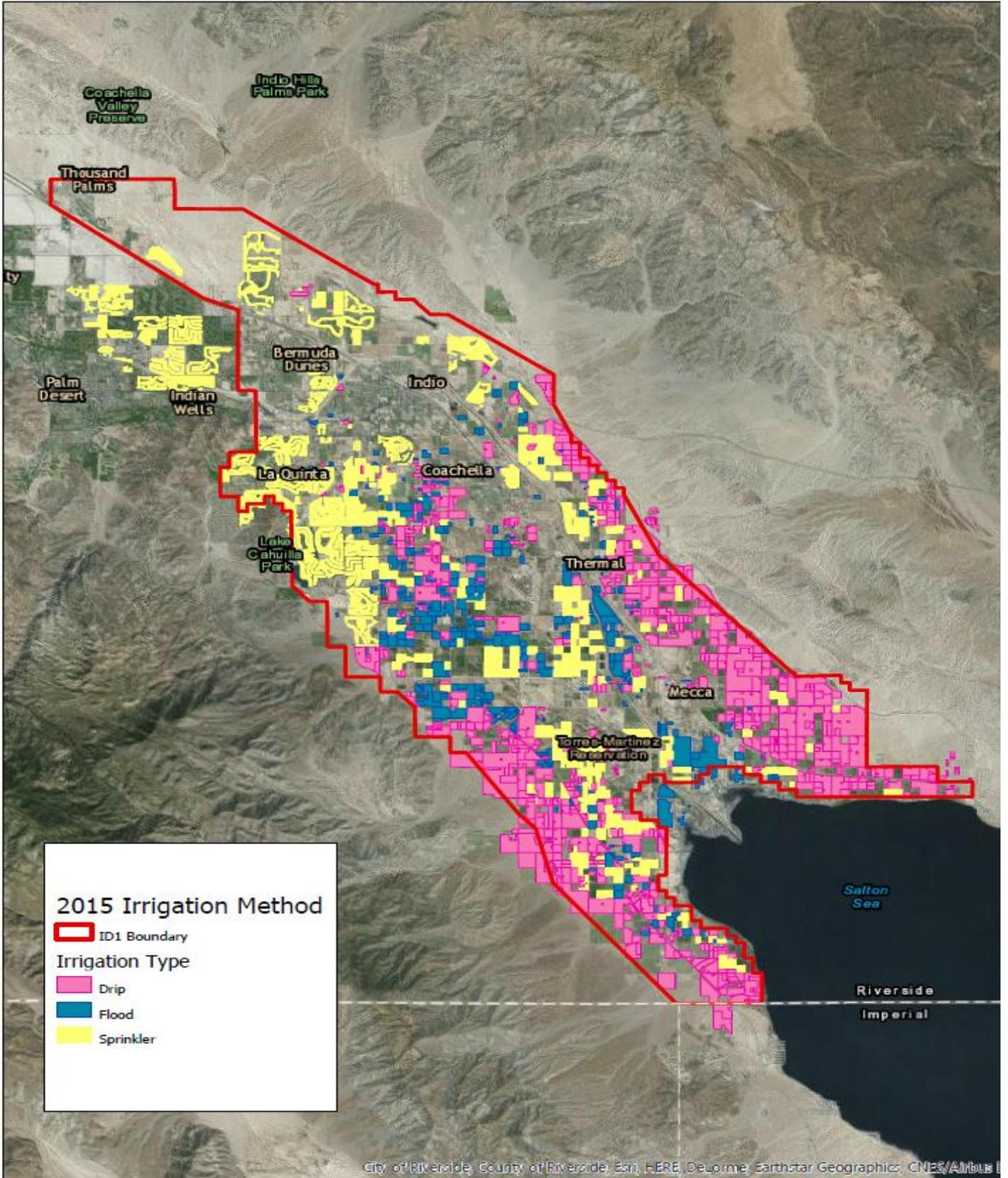
2015 Crop Report



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2015 Irrigation Method Map



Introduction

Making every drop count...

Since 1918

The 2015 Crop Report summarizes the estimated acreage and gross value of agricultural production within the Coachella Valley Water District (CVWD) Boundaries. This report fulfills the Crop Report requirements of CVWD and The United States Bureau of Reclamation (USBR).

The Values in this report represent the gross value of products and do not reflect costs associated with production, marketing, or transportation. No attempt has been made to reflect the net income, profit, or loss to producers.

The 2015 gross production is valued at, \$745,714,920, which represents a 2% increase over the 2014 value of \$730,487,227. Gross farmed acreage (primary and secondary) is 66,607, compared to last year's total of 66,431.

CVWD provides canal water for seasonal vegetables and permanent crops including, bearing and non-bearing date trees, grapes, figs, mangoes, peaches, and citrus varieties. Other uses of canal water include irrigation for polo fields, golf courses, maintenance of wetland areas such as duck ponds, and replenishment of the ground water basin.

In 2015, CVWD utilized Geographic Information Systems (GIS) software to identify crops and accurately measure crop acreage in the field. GIS has become an essential part of crop-reporting methods.

Sincerely,

Eric Morales

Eric Morales
Crop Reporter

2015 Crop Values and Accumulated Values

Crop Description	Value*	%	Accumulated**		
			Value	%	
Grapes	\$156,300,300	21.0	\$ 156,300,300	21.0	T o p T e n
Bell Peppers	119,680,501	16.0	275,980,801	37.0	
Lemon-Lime	104,388,255	14.0	380,369,056	51.0	
Golf Course	57,366,501	7.7	437,735,557	58.7	
Dates	41,383,440	5.5	479,118,997	64.3	
Lettuce	28,344,615	3.8	507,463,612	68.1	
Carrots	27,203,400	3.6	534,667,012	71.7	
Nursery-Trees	26,971,420	3.6	561,638,432	75.3	
Oriental Vegetables	14,474,250	1.9	576,112,682	77.3	
Strawberries	14,126,600	1.9	590,239,282	79.2	
Orange-Tangerine	14,082,984	1.9	604,322,266	81.0	
Green Bean	11,249,005	1.5	615,571,271	82.5	
Cauliflower	10,151,659	1.4	625,722,930	83.9	
Melon - Watermelon	9,602,600	1.3	635,325,530	85.2	
Turf Grass	9,597,474	1.3	644,923,004	86.5	
Artichoke	9,591,552	1.3	654,514,556	87.8	
Spinach	9,208,914	1.2	663,723,470	89.0	
Sweet Corn	7,827,160	1.0	671,550,630	90.1	
Celery	6,891,891	0.9	678,442,521	91.0	
Broccoli	6,161,421	0.8	684,603,942	91.8	
Eggplant	6,016,420	0.8	690,620,362	92.6	
Spice	5,456,000	0.7	696,076,362	93.3	
Grapefruit	4,775,760	0.6	700,852,122	94.0	
Misc. - Fish Farm	4,683,253	0.6	705,535,375	94.6	
Polo Fields	4,490,213	0.6	710,025,588	95.2	
Onion-Green	4,422,500	0.6	714,448,088	95.8	
Nursery-Plants	3,894,050	0.5	718,342,138	96.3	
Potatoes	3,408,443	0.5	721,750,581	96.8	
Okra	3,282,650	0.4	725,033,231	97.2	
Tomatoes	3,028,451	0.4	728,061,682	97.6	
Bokchoy	2,787,750	0.4	730,849,432	98.0	
Chili Peppers	2,528,789	0.3	733,378,221	98.3	
Radish	1,990,008	0.3	735,368,229	98.6	
Mangoes	1,811,745	0.2	737,179,974	98.9	
Fig	1,486,800	0.2	738,666,774	99.1	
Peaches	1,483,200	0.2	740,149,974	99.3	
Hay-Alfalfa	1,395,680	0.2	741,545,654	99.4	
Squash	1,335,600	0.2	742,881,254	99.6	
Olives	1,146,474	0.2	744,027,728	99.8	
Onion-Dry	712,530	0.1	744,740,258	99.9	
Cabbage	330,600	0.0	745,070,858	99.9	
Basil	264,000	0.0	745,334,858	100.0	
Pasture-Permanent	217,500	0.0	745,552,358	100.0	
Hay-Sudan	119,040	0.0	745,671,398	100.0	
Duck Ponds	33,580	0.0	745,704,978	100.0	
Kale	-	0.0	745,704,978	100.0	
	\$ 745,704,978	100.0			

*Total dollars by crop

**Running total

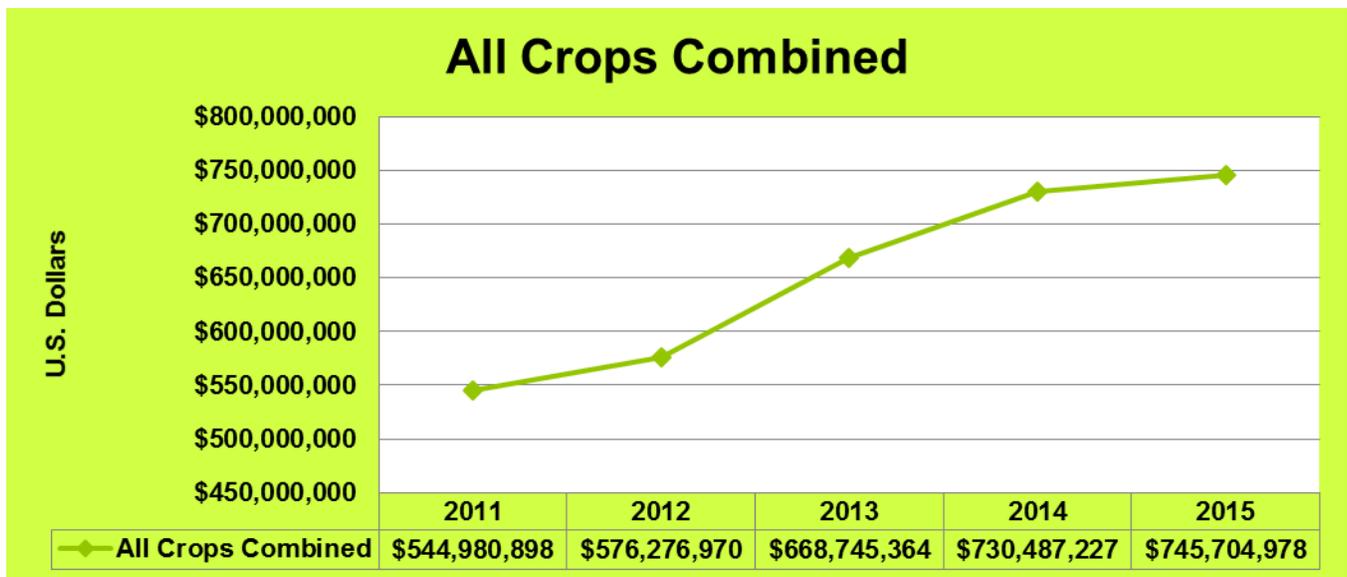
2015 Acreage and Accumulated Acreage

Crop Description	Acres*	%	Accumulated**		
			Acres	%	
Dates	8211	12.5	8,211	12.5	T o p T e n
Grapes	7592	11.6	15,803	24.0	
Golf Course	6043	9.2	21,846	33.2	
Bell Peppers	5044	7.7	26,890	40.9	
Carrots	4572	7.0	31,462	47.9	
Lemon-Lime	3902	5.9	35,364	53.8	
Lettuce	2930	4.5	38,294	58.3	
Dates- NB	1878	2.9	40,172	61.1	
Oriental Vegetables	1838	2.8	42,010	63.9	
Orange-Tangerine	1656	2.5	43,666	66.4	
Pasture-Permanent	1450	2.2	45,116	68.6	
Spice	1364	2.1	46,480	70.7	
Nursery-Trees	1316	2.0	47,796	72.7	
Sweet Corn	1279	1.9	49,075	74.7	
Green Bean	1208	1.8	50,283	76.5	
Cauliflower	1134	1.7	51,417	78.2	
Grapes-N/B	1111	1.7	52,528	79.9	
Turf Grass	1011	1.5	53,539	81.5	
Potatoes	971	1.5	54,510	82.9	
Broccoli	953	1.4	55,463	84.4	
Artichoke	883	1.3	56,346	85.7	
Okra	791	1.2	57,137	86.9	
Duckponds	775	1.2	57,912	88.1	
Hay- Alfalfa	671	1.0	58,583	89.1	
Spinach	668	1.0	59,251	90.1	
Melon- Watermelon	665	1.0	59,916	91.2	
Celery	659	1.0	60,575	92.2	
Grapefruit	576	0.9	61,151	93.0	
Lemon-Lime N/B	542	0.8	61,693	93.9	
Polo Fields	473	0.7	62,166	94.6	
Bokchoy	354	0.5	62,520	95.1	
Strawberries	332	0.5	62,852	95.6	
Squash	318	0.5	63,170	96.1	
Onion- Green	305	0.5	63,475	96.6	
Tomatoes	255	0.4	63,730	97.0	
Radish	249	0.4	63,979	97.3	
Eggplant	221	0.3	64,200	97.7	
Orange-Tangerine N/B	218	0.3	64,418	98.0	
Nursery-Plants	190	0.3	64,608	98.3	
Fig	177	0.3	64,785	98.6	
Misc. - Fish Farm	165	0.3	64,950	98.8	
Chili Peppers	152	0.2	65,102	99.0	
Hay- Sudan	124	0.2	65,226	99.2	
Mangoes	117	0.2	65,343	99.4	
Peaches	103	0.2	65,446	99.6	
Olives	86	0.1	65,532	99.7	
Basil	66	0.1	65,598	99.8	
Onion- Dry	60	0.1	65,658	99.9	
Cabbage	58	0.1	65,716	100.0	
Grapefruit- N/B	11	0.0	65,727	100.0	
Greens	2	0.0	65,729	100.0	
Kale	0	0.0	65,729	100.0	
	65,729	100.0			

N/B = Non-bearing
 *Total acres by crop
 ** Running total

5-Year History of Crops by Value

Crop Description	2011	2012	2013	2014	2015
Grapes	\$94,077,075	\$117,321,351	\$130,288,461	\$131,852,825	\$156,300,300
Bell Peppers	\$49,711,225	\$53,920,131	\$56,516,317	\$93,824,406	\$119,680,501
Lemon-Lime	\$97,526,795	\$72,197,988	\$79,111,747	\$87,891,750	\$104,388,255
Golf Course	\$57,085,336	\$47,796,210	\$60,508,404	\$80,128,574	\$57,366,501
Dates	\$43,229,570	\$40,052,000	\$45,486,000	\$36,184,900	\$41,383,440
Lettuce	\$11,172,176	\$24,836,167	\$41,500,003	\$28,023,774	\$28,344,615
Carrots	\$26,765,600	\$31,235,939	\$28,498,354	\$27,778,740	\$27,203,400
Nursery-Trees	\$11,344,614	\$16,126,662	\$27,528,540	\$26,125,700	\$26,971,420
Oriental Vegetables	\$12,967,920	\$16,841,370	\$11,750,390	\$21,756,480	\$14,474,250
Strawberries	\$14,352,086	\$8,360,110	\$21,628,343	\$19,430,400	\$14,126,600
Top Ten Crops	\$418,232,398	\$428,687,929	\$502,816,560	\$552,997,549	\$590,239,282
Other Crops	\$126,748,500	\$147,589,041	\$165,928,804	\$177,489,677	\$155,465,696
All Crops Combined	\$544,980,898	\$576,276,970	\$668,745,364	\$730,487,227	\$745,704,978



Coachella Canal

Historical Crop Value Charts

Grapes

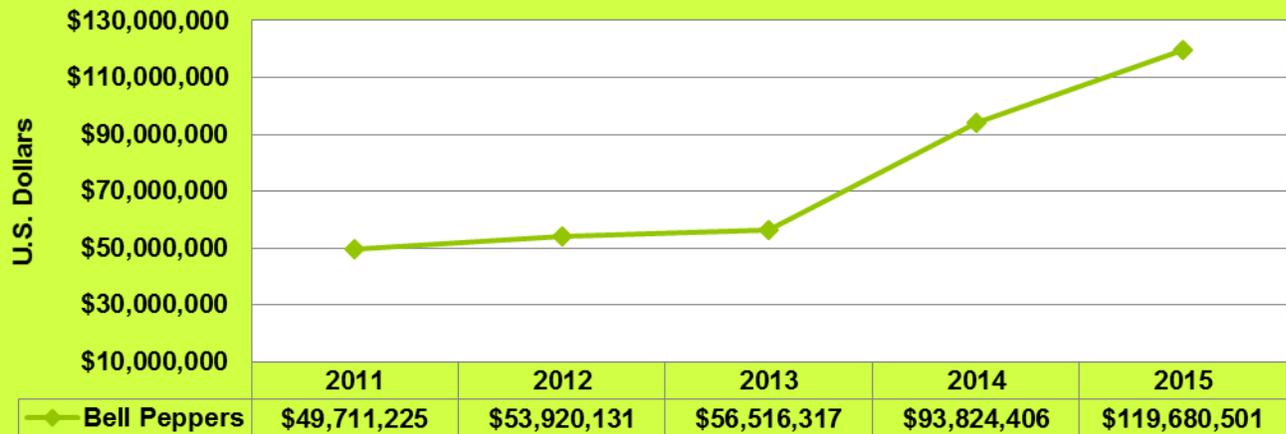


Grape Harvest



Bell Peppers

Bell Peppers



Lemon-Lime



PGA West Golf Course

Golf Course



Lettuce



Lettuce Field



Dates

Dates



Carrots



Carrots Ready for Market



Tree Nursery

Nursery-Trees



Oriental Vegetables

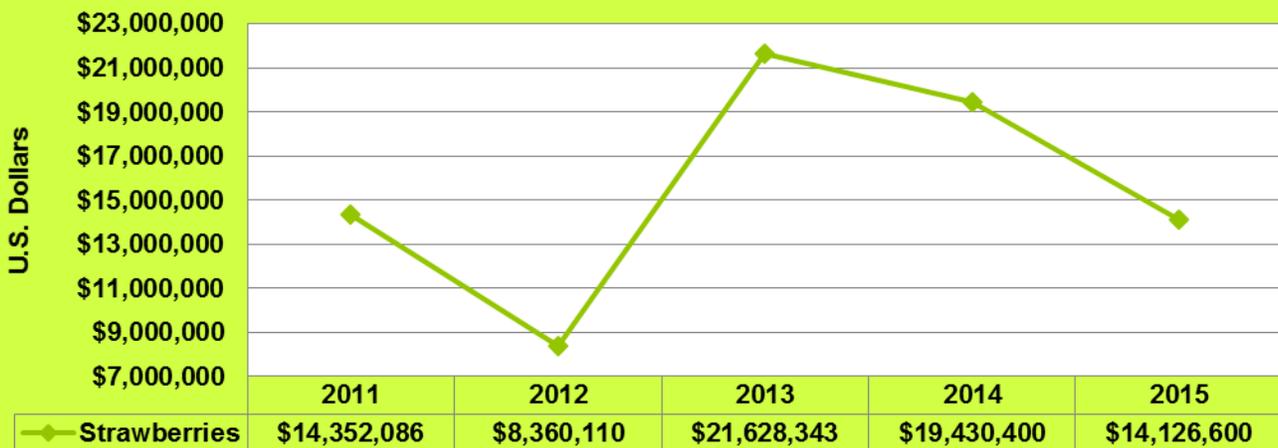


Bok Choy



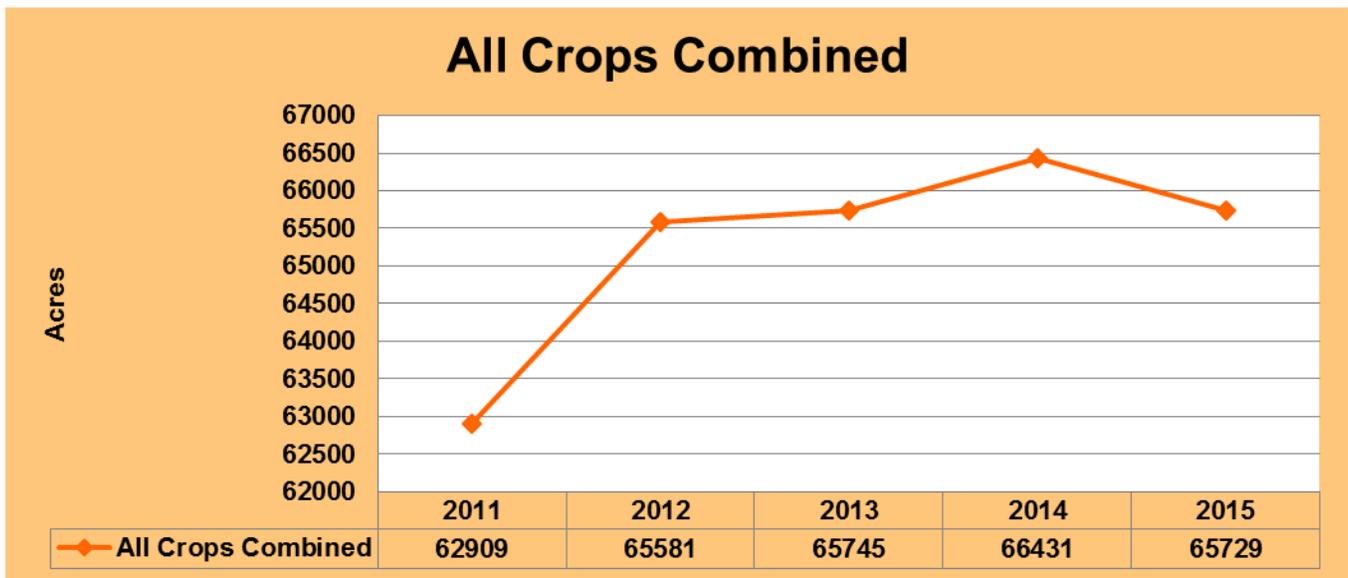
Strawberries

Strawberries



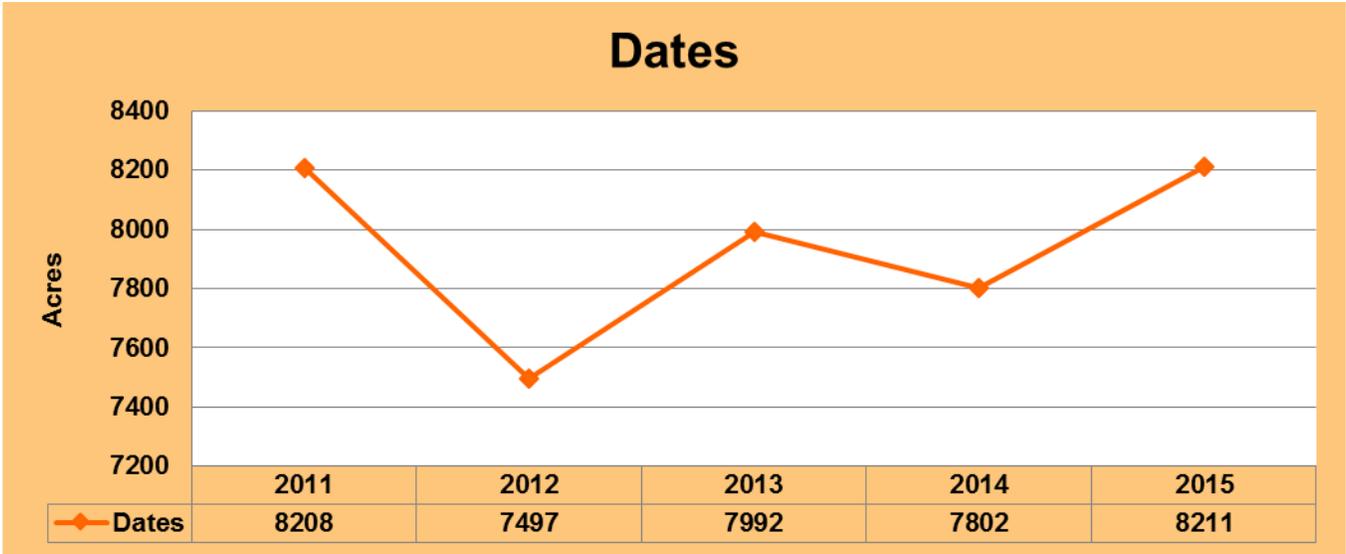
5-Year History of Crops by Acreage

Crop Description	2011	2012	2013	2014	2015
Dates	8208	7497	7992	7802	8211
Grapes	7721	7600	7600	7765	7592
Golf Course	5393	5775	5637	6007	6043
Bell Peppers	5464	4899	4558	4490	5044
Carrots	1992	2587	3141	3930	4572
Lemon-Lime	4215	3983	4014	3887	3902
Lettuce	3795	3999	3823	3234	2930
Dates - N/B	2537	2235	2096	2241	1878
Oriental Vegetables	1835	2064	2306	2112	1838
Orange-Tangerine	714	1168	1402	1636	1656
Top Ten Crops	41874	41807	42569	43104	43666
Other Crops	21035	23774	23176	23327	22063
All Crops Combined	62909	65581	65745	66431	65729

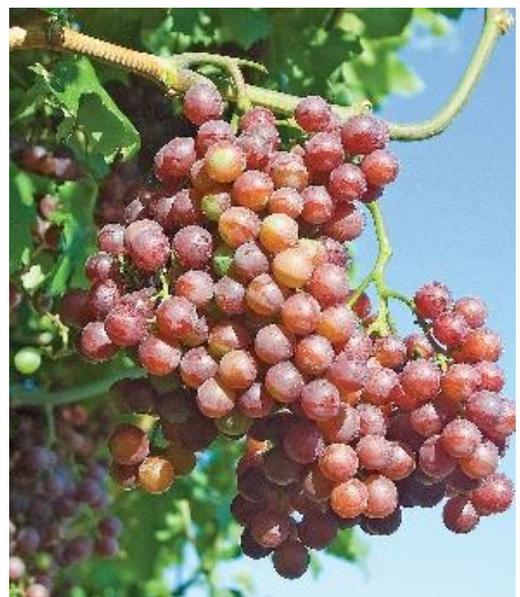


Transplanting Bell Peppers

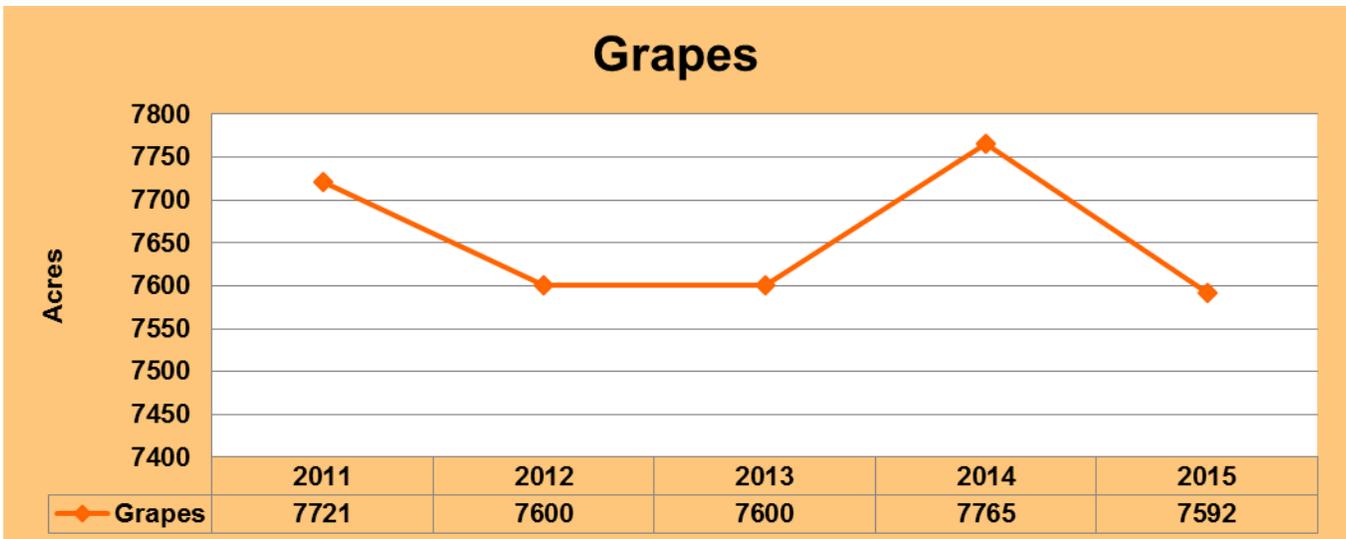
Historical Crop Acreage Chart



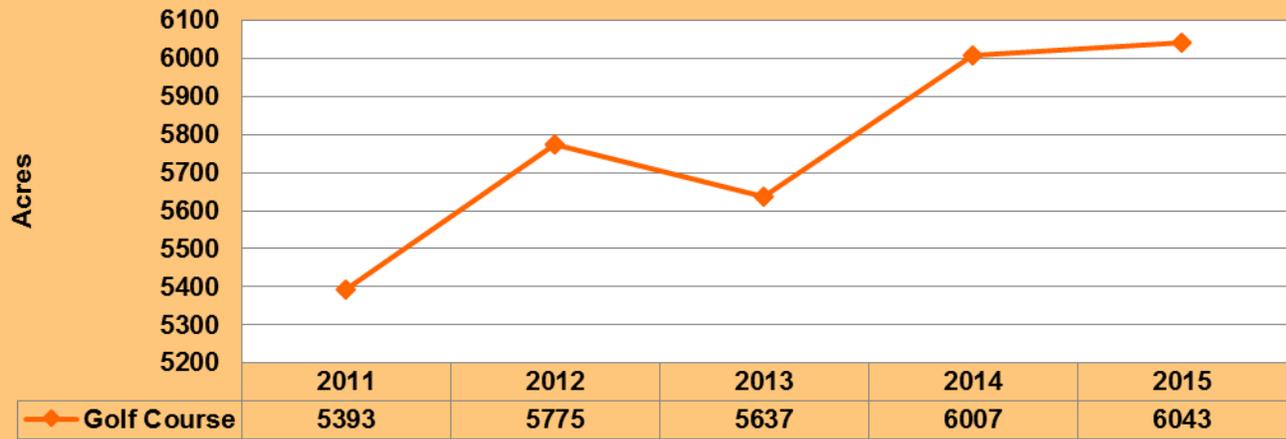
Dates



Grapes



Golf Course



Golf Course

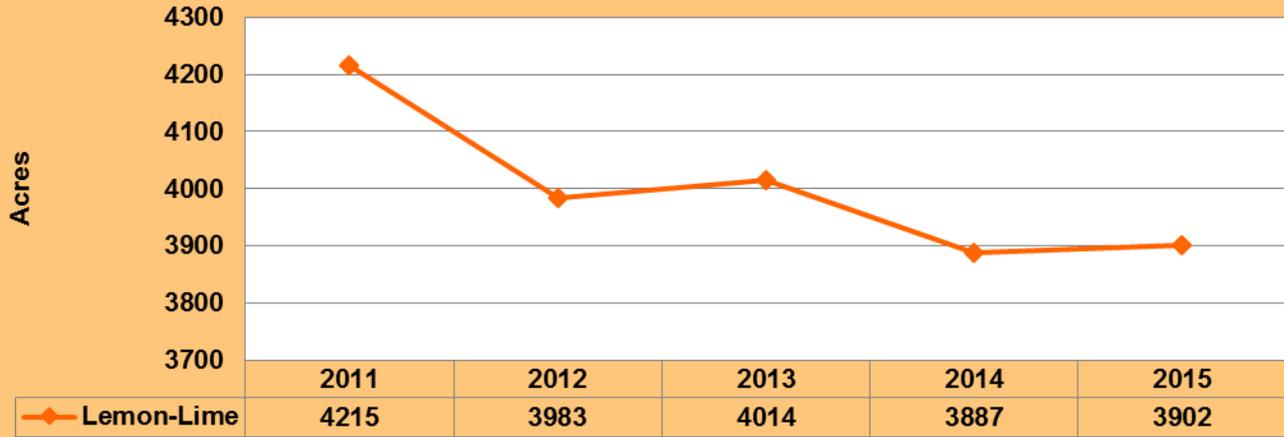


Bell Pepper Field

Bell Peppers

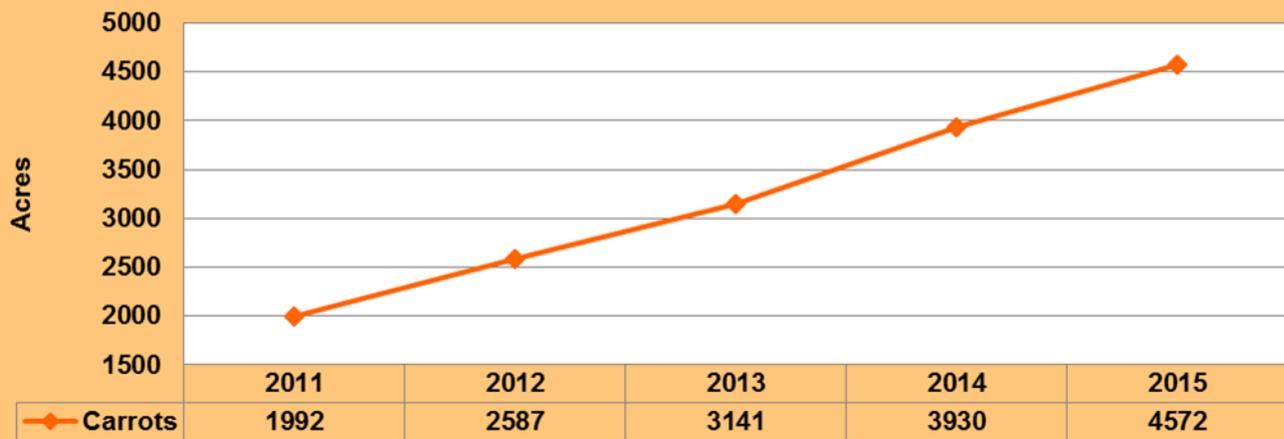


Lemon-Lime

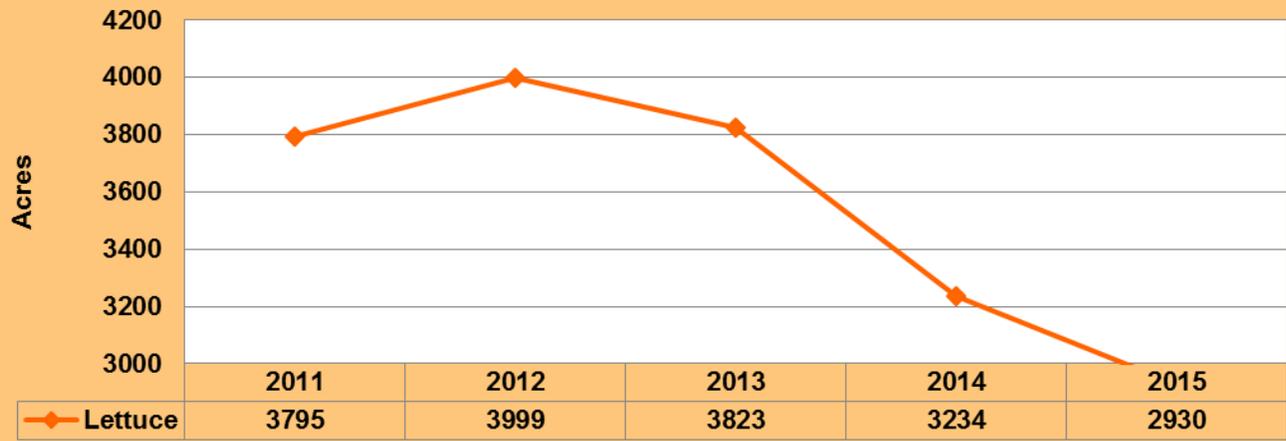


Citrus Grove

Carrots



Lettuce

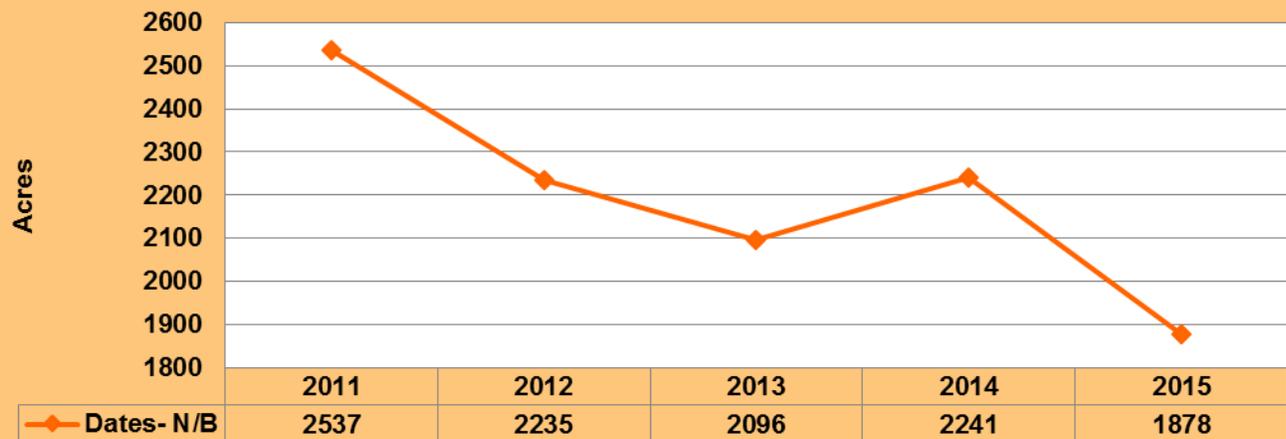


Lettuce Field

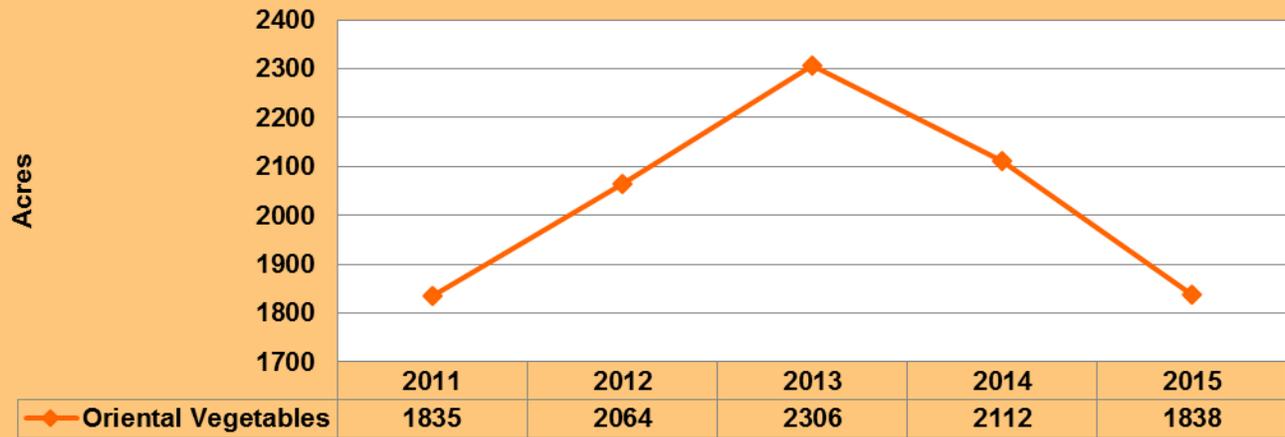


Dates

Dates- N/B

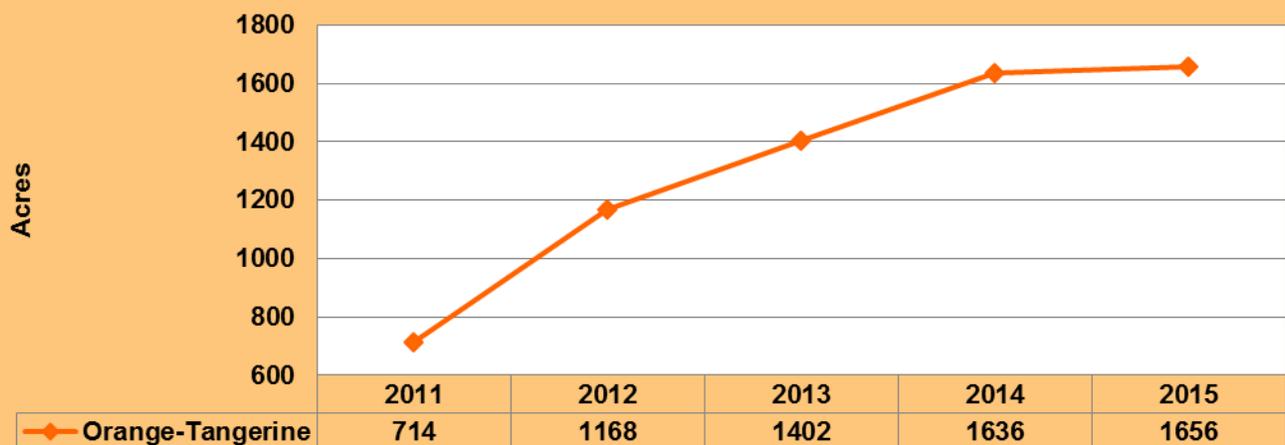


Oriental Vegetables

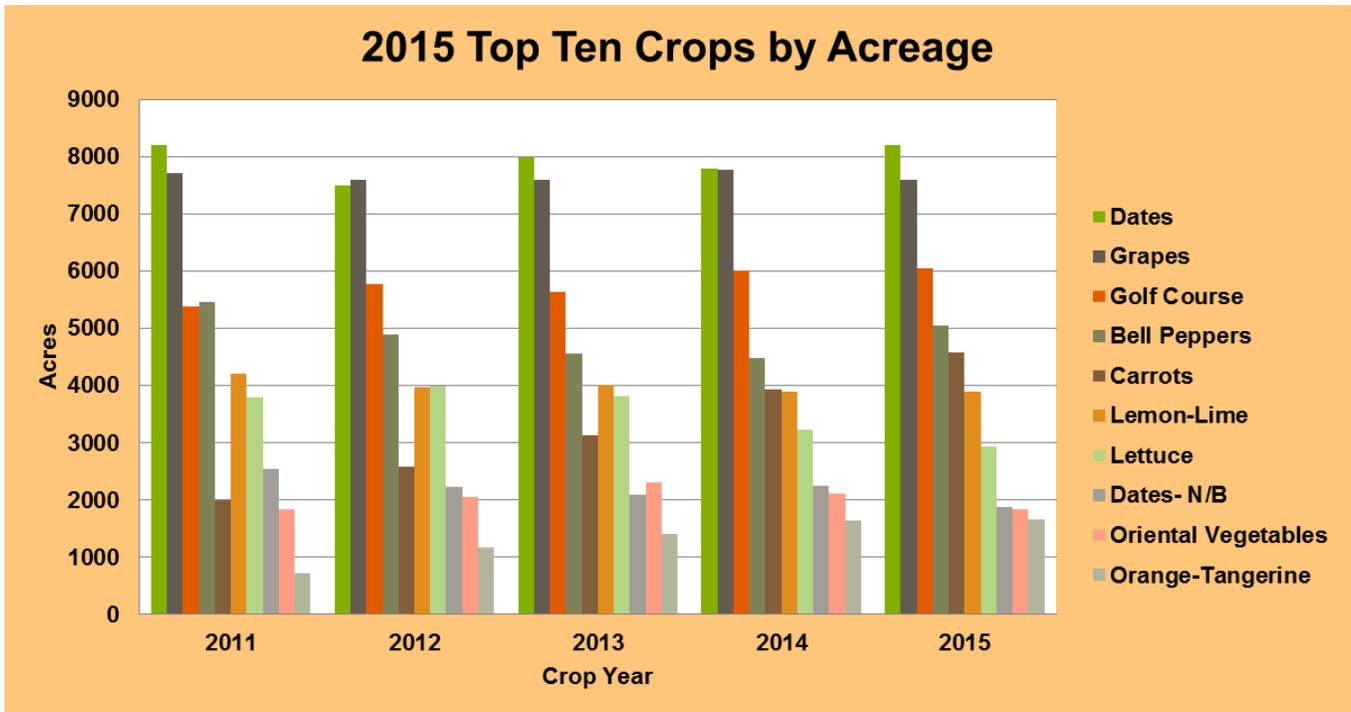
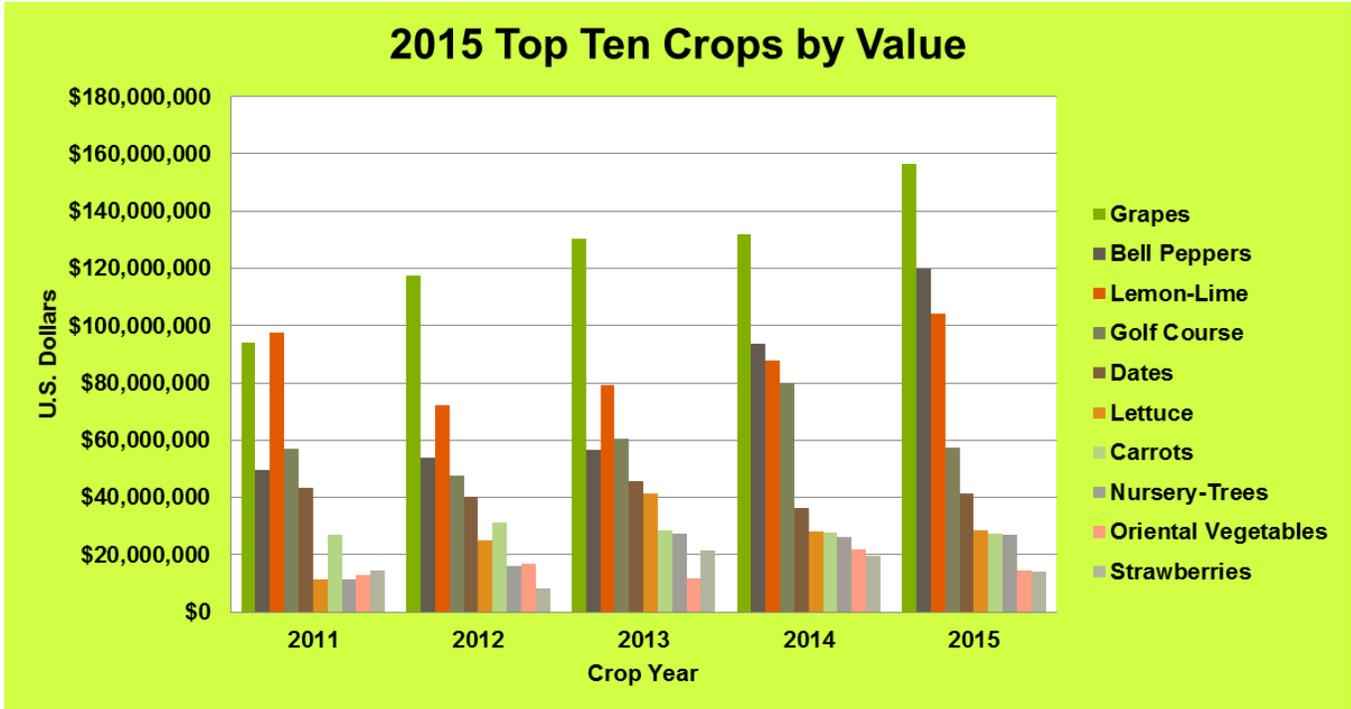


Chinese Broccoli

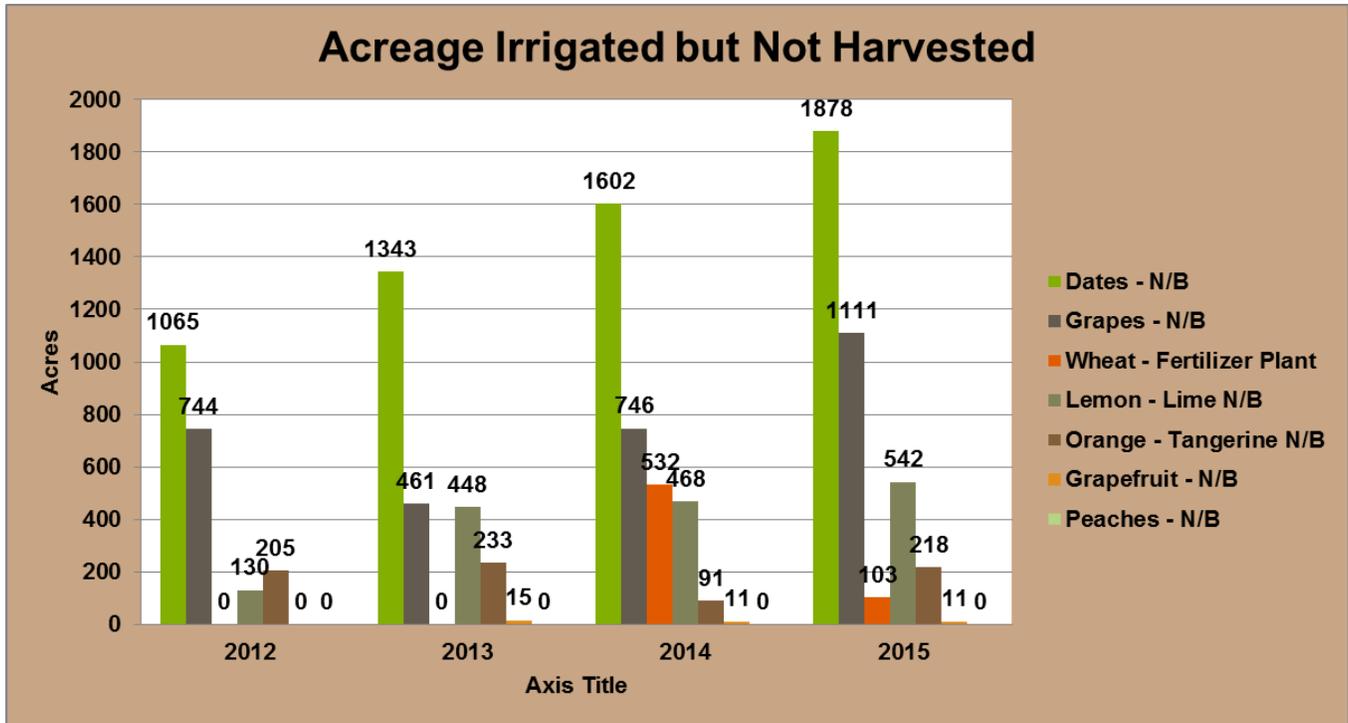
Orange-Tangerine



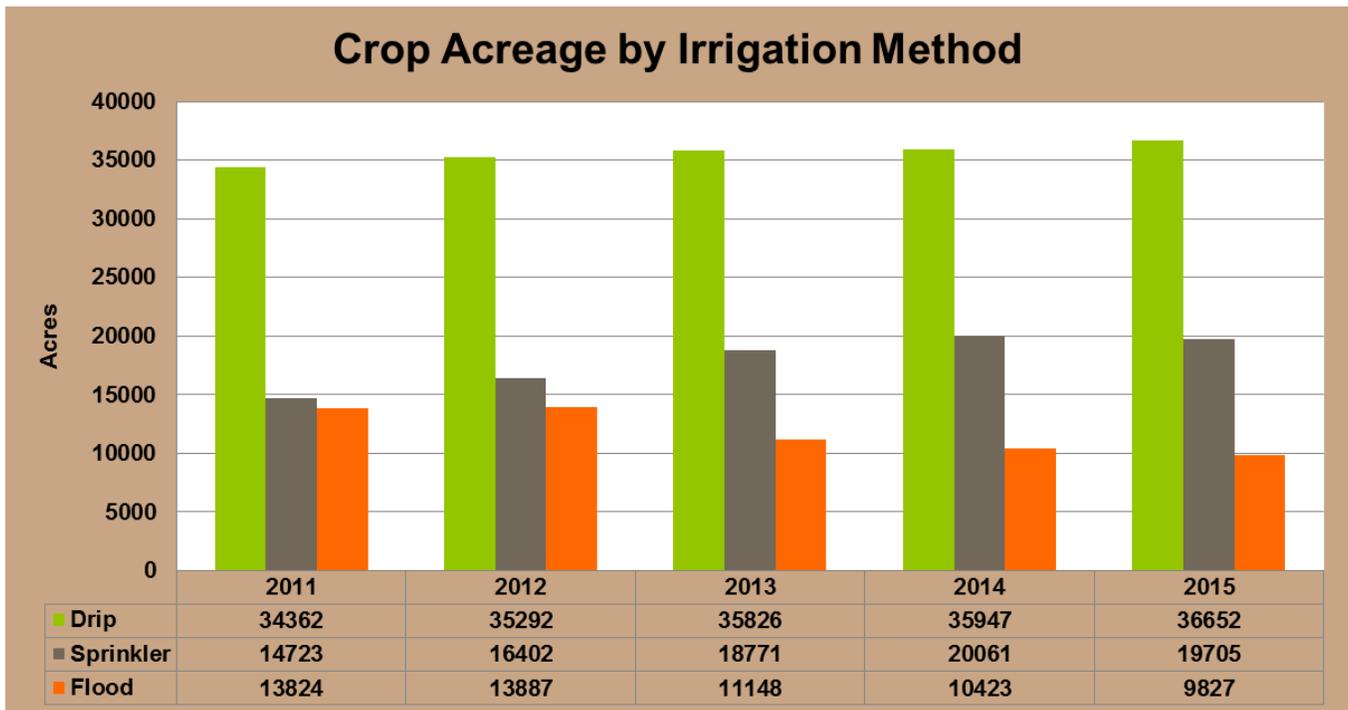
Top 10 Charts – Value & Acreage



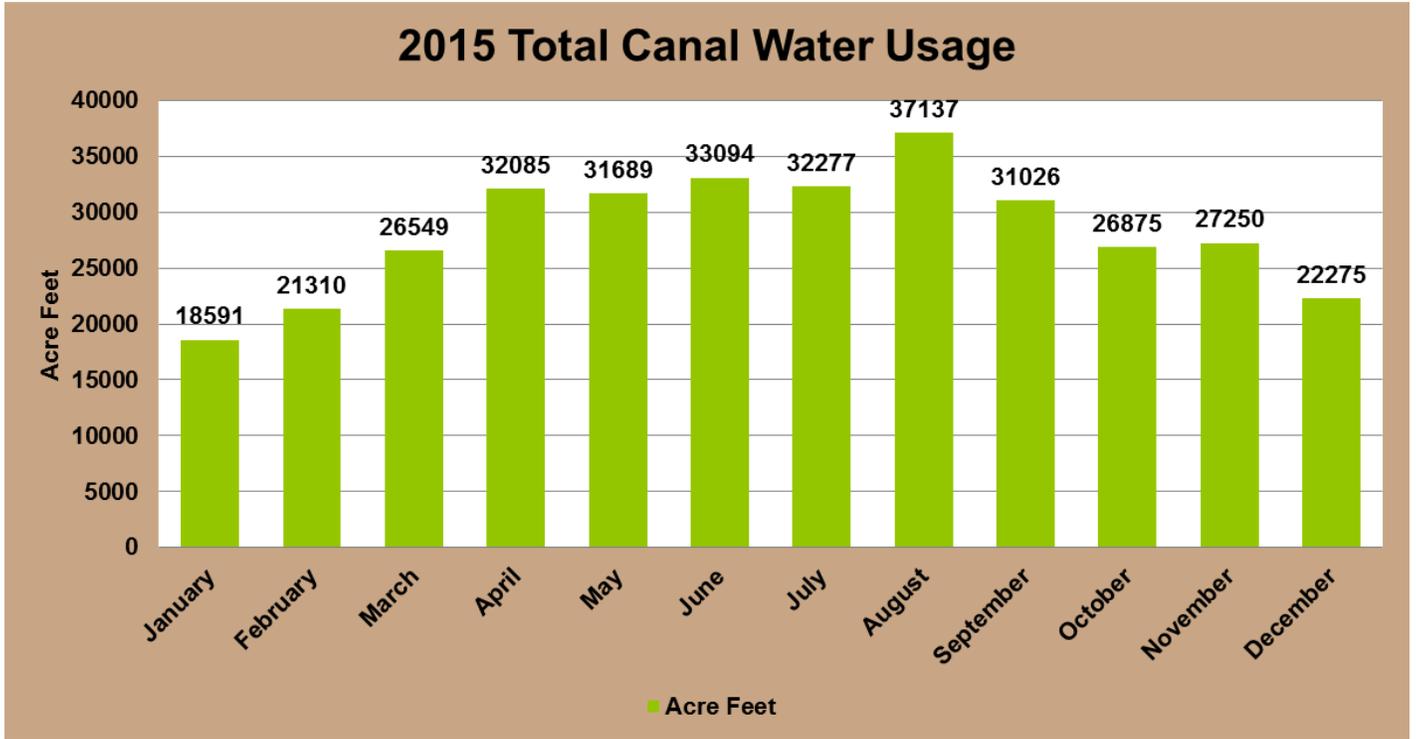
Acreage Irrigate but Not Harvested



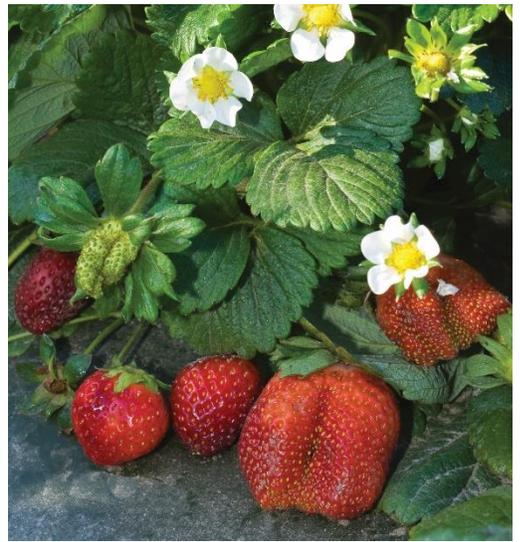
Crop Acreage by Irrigation Method Charts



Water Consumption by Source Chart



Lake Cahulla



Bureau of Reclamation Crop and Water Data

	COACHELLA VALLEY WATER DISTRICT Service Department - Zanjero Section CROP AND WATER DATA Year 2015	<i>Making every drop count... Since 1918</i>
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SECTION I - DISTRICT INFORMATION					
a. Region LC	b. IDCON 304560	c. Cong. Dist. 36th	d. Project: Boulder Canyon Project	e. Division: Coachella Division	
f. Unit: NA	g. Water District: Coachella Valley Water District		h. State: CA	i. Counties: Riverside	
j. Total District Acres: 137,416		k. Irrigable Acres: 76,456		l. Contact Person: Eric Morales m. Telephone: (760)398-2661 Ext. 2629	

SECTION II - DISTRICT LANDS IN AN IRRIGATION ROTATION					
a. Type of Service (mark one) <input checked="" type="checkbox"/> Full <input type="checkbox"/> Supplemental <input type="checkbox"/> Temporary		b. Commercial Acres 55,160	c. Non-commercial 1,966	d. Multi-cropped Acres 7,687	
e. Acres irrigated by: Sprinkler: Drip Flood:		f. Acres irrigated but not harvested 3,760		g. Acres not Irrigated: <input type="checkbox"/> Dry Cropped <input checked="" type="checkbox"/> Fallow 10,680 <input checked="" type="checkbox"/> Idle 5,396	
h. Permanent Urbanization & Raw Land Acres: 60,959					

SECTION III - CROP PRODUCTION

a. CROPS	b. ACRES	c. UNIT	d. YIELD		a. CROPS	b. ACRES	c. UNIT	d. YIELD	
			PER ACRE	TOTAL				PER ACRE	TOTAL
CEREALS									
50 Barley (malt)	0	Bu	0.00	0	54 Rice		Cwt		
51 Barley (feed)	0	Bu	0.00	0	56 Sorghums (sorgo, kaffir, milo, ect.)		Cwt		
52 Corn	0	Bu	0.00	0	57 Wheat		Bu	0.00	0
53 Oats	0	Bu	0.00	0	58 Other Cereals (specify)		Bu		
FORAGE									
61 Alfalfa hay	671	Ton	8.0	5,368.0	Sillage (sorgo, kaffir, milo, etc.)		Ton		
62 Other hay (Sudan)	124	Ton	6.0	744.0	Other forage (specify)		Ton		
63 Irrigated pasture	1,450	AUM	8.75	12,687.5					
MISCELLANEOUS FIELD CROPS									
81 Beans, dry and edible		Cwt			86 Hops		Lb		
82 Cotton: Lint (Upland)		Lb			87 Mints		Lb		
83 Cotton: Seed (Upland)		Ton			90 Soybeans		Bu		
84 Cotton: Lint (American-Pima)		Lb			89 Sugar beets		Ton		
85 Cotton: Seed (American-Pima)		Ton			91 Other field crops (specify) polo, turf, golf course	7,527	Ton	315	790,335
VEGETABLES									
101 Asparagus	0	Cwt	0.00	0	117 Onions, dry	60	Cwt	565.50	33,930
102 Beans, (processing)		Ton			118 Onions, green	305	Cwt	406.00	123,830
103 Beans, (fresh market)	1,208	Cwt	90.44	109,252	119 Peas, green (processing)		Cwt		
104 Broccoli	953	Cwt	122.59	116,828	120 Peas, green (fresh market)	0	Cwt	0.00	0
105 Cabbage	58	Cwt	150.00	8,700	121 Peppers (all kinds)	5,196	Cwt	417.00	2,130,845
106 Carrots	4,572	Cwt	680.00	3,108,960	122 Potatoes, early	971	Cwt	227.20	220,611
107 Cauliflower	1,134	Cwt	145.82	165,360	124 Squash	318	Cwt	8000.00	2,544,000
108 Celery	659	Cwt	435.15	286,764	100 Sweet Potatoes		Cwt		
109 Corn, sweet (processing)		Cwt			125 Tomatoes (canning)		Ton		
110 Corn, sweet (fresh market)	1,279	Ton	204.75	261,875	126 Tomatoes (fresh market)	255	Cwt	397.20	101,286
111 Cucumbers	0	Cwt	0.00	0	127 Other vegetables (specify) artichoke	883	Cwt	160.77	141,960
112 Greens, (b.choyspinach, O.veg.etc.)	2,862	Cwt	229.6161	657,161	egg plant	221	Cwt	439.80	97,196
113 Lettuce	2,930	Cwt	276.85	811,171	okra	791	Cwt	83.00	65,653
					radishes	249	Cwt	116.55	29,021
					spices	1,430	Cwt	56.00	80,080

CROP PRODUCTION CONTINUED											
a. CROPS	b. ACRES	c. UNIT	d. YIELD		a. CROPS	b. ACRES	c. UNIT	d. YIELD			
			PER ACRE	TOTAL				PER ACRE	TOTAL		
NURSERY											
137	Total nursery (show yield in dollars)	1,506		20495.0	30,865,470	138	Fish farm	165	Ton	0.00	0
						139	Duck ponds	775	Lb	9.65	7479
SEED CROPS											
141	Alfalfa		Lb			146	Onion		Cwt		
142	Clover		Lb			147	Pea		Cwt		
143	Corn		Lb			148	Potato		Cwt		
144	Grass		Lb			149	Sugar beet		Cwt		
145	Lettuce		Lb			150	Other seed, (specify)		Cwt		
FRUITS											
161	Apples		Lb			165	Grapefruit	576	Cwt	280.50	161,568
162	Apricots		Ton			115	Honey Ball, Honeydew, ect.	0	Cwt	0.00	0
158	Avocados		Ton			166	Lemons and Limes	3,902	Cwt	330.60	1,290,001
163	Berries,		Lb			171	Olives	86	Ton	8.89	765
114	Cantaloupe		Cwt			167	Oranges and Tangerines	1,656	Ton	9.92	16,428
164	Cherries		Ton			172	Peaches	103	Lb	9900.00	1,019,700
168	Dates	8,211	Ton	2.40	19,706	173	Pears		Ton		
159	Figs	177	Ton	8.40	1,487	174	Prunes and Plums		Ton		
169	Grapes, table	7,592	Ton	8.24	62,520	160	Strawberries	332	Cwt	444.00	147,408
176	Grapes, raisin		Ton			116	Watermelon	665	Cwt	760.00	505,400
177	Grapes, wine		Ton			175	Other fruits (specify) Mangoes	117	Cwt	163.00	19,071
170	Grapes, other		Ton								
NUTS											
181	Almonds		Lb			183	Walnuts		Lb		
182	Pecans		Lb			184	Other nuts (specify)		Lb		
180	Pistachios		Lb								
SECTION IV - MONTHY WATER DISTRIBUTION											
a. TYPE OF IRRIGATION SERVICE					<input checked="" type="checkbox"/>	Full	<input type="checkbox"/>	Supplemental	<input type="checkbox"/>	Temporary	
b. MONTH	c. WATER SUPPLY	d. OPERATIONAL SPILLS	e. TRANSPORTATION LOSSES	f. NON-AGRICULTURAL DELIVERIES			g. DELIVERED TO FARMS				
				(1) M & I	(2) Wildlife	(3) Misc.					
1. PROJECT WATER (Acre-Feet)											
201	January	18,591.0	360.0	1,572.8	3,216.1	405.8	217.5	12,818.8			
202	February	21,310.0	451.0	1,074.7	2,961.9	326.5	351.3	16,144.6			
203	March	26,549.0	545.4	1,050.2	3,182.4	281.2	488.0	21,001.8			
204	April	32,085.0	530.0	363.5	3,092.6	235.6	695.7	27,167.6			
205	May	31,689.0	511.0	62.5	3,151.1	377.7	779.0	26,807.7			
206	June	33,094.0	544.0	714.6	2,923.8	579.5	1,091.5	27,240.6			
207	July	32,277.0	504.0	408.3	3,316.4	621.3	1,038.5	26,388.6			
208	August	37,137.0	510.0	1,101.7	3,335.4	373.7	1,122.3	30,693.9			
209	September	31,026.0	430.0	63.6	3,238.3	495.6	800.1	25,998.4			
210	October	26,875.0	428.0	494.5	3,294.8	423.7	859.7	21,374.3			
211	November	27,250.0	341.0	884.6	3,181.3	315.6	613.2	21,914.3			
212	December	22,275.0	432.0	-229.6	3,242.5	163.8	319.4	18,346.9			
213	TOTAL PROJECT WATER	340,158.0	5,586.4	7,561.4	38,136.6	4,599.9	8,376.2	275,897.5			
214	M&I Population Served				0.0						
2. NONPROJECT WATER (Acre-Feet)											
216	Annual Data	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
217	TOTAL (lines 213 and 216)	340,158.0	5,586.4	7,561.4	38,136.6	4,599.9	8,376.2	275,897.5			