

Arizona Agriculture
Reaches the World

Citrus, Fruit and Vegetable Division

Annual Report July 1, 2017-June 30, 2018



AZDA
ARIZONA
DEPARTMENT
OF AGRICULTURE

ARIZONA DEPARTMENT OF AGRICULTURE
1688 W. ADAMS STREET
PHOENIX, AZ 85007

Ed Foster, Associate Director
Douglas A. Ducey, Governor

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ARIZONA DEPARTMENT OF AGRICULTURE

CITRUS, FRUIT & VEGETABLE DIVISION

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The Citrus, Fruit and Vegetable Division as set forth in A.R.S. § 3-441 and A.R.S. § 3-481 provides produce licensing, collection of statistical data and fresh produce administrative assistance. Citrus, Fruit and Vegetable Division formerly monitored and enforced quality standards. Under the recommendation of the Citrus, Fruit and Vegetable Division Advisory Council, the Citrus, Fruit and Vegetable Division program has moved toward a food safety program instead of a produce quality program.

Statistical data is collected from Arizona Shippers, who are the first handlers of produce. Citrus, Fruit and Vegetable Division assists the Arizona Citrus Research Council (ACRC) and the Arizona Iceberg Lettuce Research Council (AILRC) in the collection of assessments and statistical data. ACRC and AILRC support the development of citrus and iceberg lettuce research programs and projects within the Arizona produce industry.

Citrus, Fruit and Vegetable Division assisted in the implementation and in the current administration of the State of Arizona's first marketing agreement. Arizona Leafy Greens Marketing Agreement (Arizona LGMA) provides food safety audits to the Arizona produce industry and is managed by the Arizona Leafy Greens Food Safety Committee. The Arizona Leafy Greens Food Safety Committee is made up of five signatory members, elected by all of the Arizona LGMA signatories. Arizona is the second largest leafy green producer in the United States. Arizona LGMA members represent 97% of leafy green products grown in Arizona.

Under a cooperative agreement with the United States Department of Agriculture (USDA), Citrus, Fruit and Vegetable Division manages the Federal-State Inspection Service which includes shipping point and terminal market inspections with offices in Phoenix, Nogales, and Yuma.

The Produce Safety Rule is administered under the guidance of Citrus, Fruit and Vegetable Division through a grant provided by the U.S. Food and Drug Administration (FDA). The Produce Safety Rule program provides the Arizona produce industry training, outreach, and inspection for compliance of the Produce Safety Rule component of the Food Safety Modernization Act.

This program is entirely industry funded through license fees and carton assessments and uses no general fund monies. We work closely with a governor appointed industry advisory council, which meets quarterly and advises the program supervisor on all issues pertaining to Citrus, Fruit and Vegetable Division.



Note: Acreage information is available at:

Arizona Agricultural Statistics

230 N. 1st Avenue, suite 303

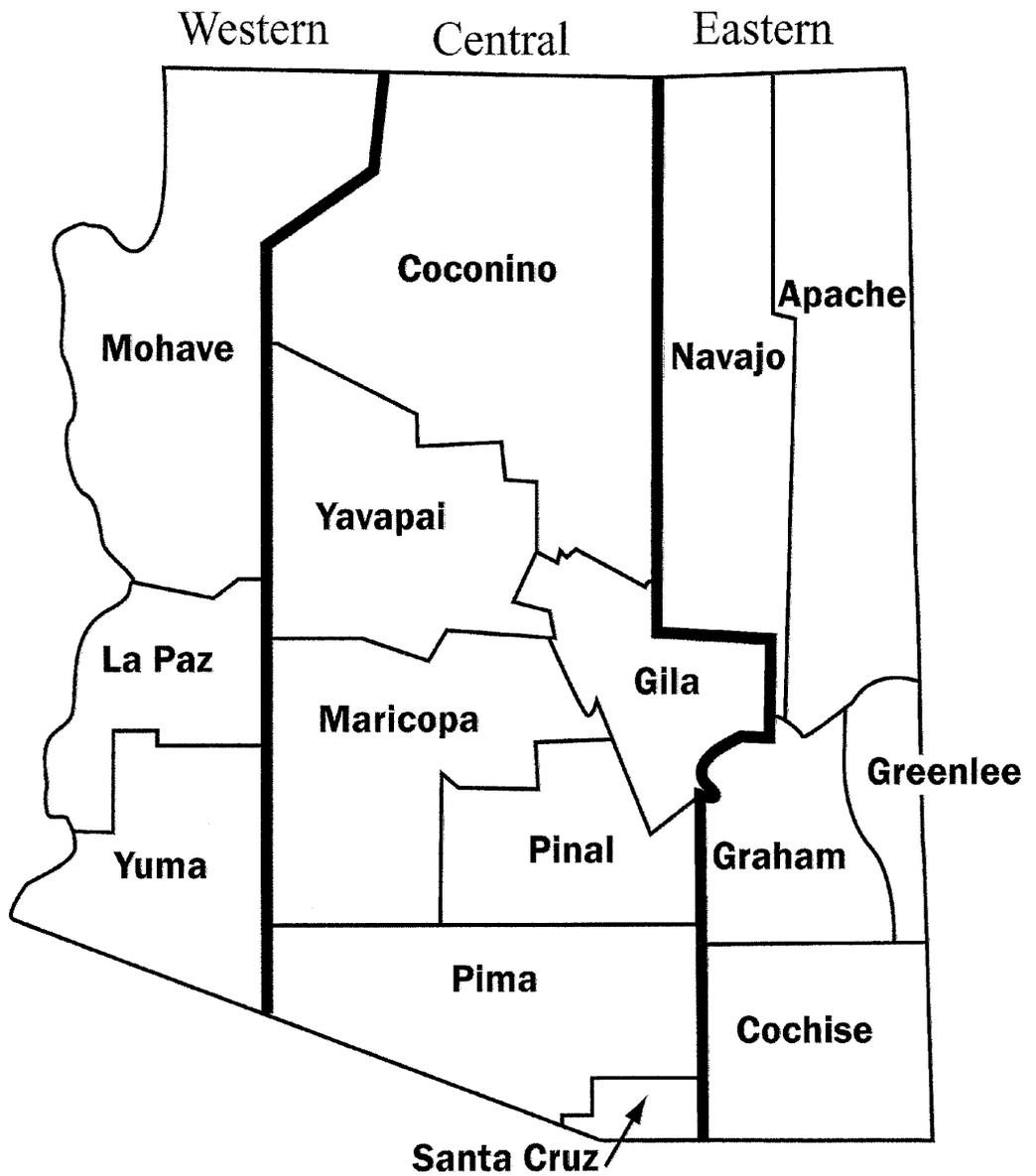
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Arizona Fresh Fruit & Vegetable Production District Map



**TOP TEN ARIZONA PRODUCE COMMODITIES
JULY 1, 2017 - JUNE 30, 2018**

Commodity	Package	Central	Western	Eastern	Total Arizona
Lettuce, Iceberg	Carton	29,634	23,893,736	0	23,923,370
Lettuce, Romaine	Carton	12,296	21,900,156	0	21,912,452
Cantaloupe	Carton	5,842,596	3,401,583	0	9,244,179
Spinach	Carton	218,764	7,208,830	0	7,427,594
Lettuce, Leaf	Carton	1,555	6,547,164	0	6,548,719
Broccoli	Carton	1,105,223	4,448,058	0	5,553,281
Watermelon	Carton	2,035,782	2,711,394	0	4,747,176
Cauliflower	Carton	98,376	4,532,864	0	4,631,240
Celery	Carton	292,200	3,725,463	0	4,017,663
Cabbage	Carton	503,715	2,793,988	0	3,297,703

**TOTAL ARIZONA PRODUCTION
JULY 1, 2017 - JUNE 30, 2018**

Commodity	Package	Central	Western	Eastern	Total Arizona
<u>VEGETABLES</u>					
Anise	Carton	11,316	77,164	0	88,480
Arugula	Carton	14,806	736,035	0	750,841
Asparagus	Carton	0	48	0	48
Bean Sprouts	Carton	0	1,104	0	1,104
Beets	Carton	43,335	56,458	0	99,793
Bok Choy	Carton	37,878	29,352	0	67,230
Broccoli	Carton	1,105,223	4,448,058	0	5,553,281
Brussel Sprouts	Carton	0	40,499	0	40,499
Cabbage	Carton	503,715	2,793,988	0	3,297,703
Cauliflower	Carton	98,376	4,532,864	0	4,631,240
Celery	Carton	292,200	3,725,463	0	4,017,663
Cilantro	Carton	225,609	451,037	0	676,646
Corn	Carton	424,073	0	0	424,073
Daikon	Carton	0	196	0	196
Dandelion	Carton	15,309	3,970	0	19,279
Dill	Carton	11,811	5,199	0	17,010
Endive	Carton	0	15,217	0	15,217
Escarole	Carton	0	13,296	0	13,296
Figs	Carton	27,508	0	0	27,508
Frisee	Carton	0	866	0	866
Greens, Mixed	Carton	96,889	4,996	0	101,885
Herbs	Carton	0	36,384	0	36,384
Kale	Carton	165,557	591,963	0	757,520
Kohlrabi	Carton	10,304	2,024	0	12,328
Leeks	Carton	15,006	14,144	0	29,150
Lettuce, Boston	Carton	1,920	531,843	0	533,763
Lettuce, Iceberg	Carton	29,634	23,893,736	0	23,923,370
Lettuce, Leaf	Carton	1,555	6,547,164	0	6,548,719
Lettuce, Romaine	Carton	12,296	21,900,156	0	21,912,452

TOTAL ARIZONA PRODUCTION (continued)
JULY 1, 2017 - JUNE 30, 2018

Commodity	Package	Central	Western	Eastern	Total Arizona
<u>VEGETABLES continued</u>					
Napa	Carton	45,493	55,629	0	101,122
Onions, Dry	Carton	370,214	280,054	33,750	684,018
Parsley	Carton	115,322	174,679	0	290,001
Peas, English	Carton	0	80	0	80
Potatoes, Table	50 Pound Carton	511,105	0	0	511,105
Pumpkin	Carton	0	0	1,783	1,783
Radicchio	Carton	0	46,452	0	46,452
Spinach	Carton	218,764	7,208,830	0	7,427,594
Spring Mix	Carton	785,620	2,137,705	0	2,923,325
Swiss Chard	Carton	79,318	75,687	0	155,005
Tomatoes	Carton	412,682	0	514,547	927,229
Turnips	Carton	26,545	0	0	26,545
Watercress	Carton	0	78,156	0	78,156
<u>FRUIT</u>					
Apples	Carton	0	0	15,787	15,787
Apples	Mfg Ton	0	0	1,777	1,777
Pears	Carton	0	0	621	621
<u>MELONS</u>					
Cantaloupe	Carton	5,842,596	3,401,583	0	9,244,179
Honeydew	Carton	2,012,038	385,836	0	2,397,874
Specialty/Mixed Melon	Carton	61,589	461,062	0	522,651
Watermelon	Carton	2,035,782	2,711,394	0	4,747,176
<u>CITRUS</u>					
Grapefruit, Ruby	Carton	4,836	6,652	0	11,488
Lemons	Carton	5,317	1,687,192	0	1,692,509
Oranges, Navel	Carton	10,105	21,242	0	31,347
Oranges, Sweet	Carton	1,756	0	0	1,756
Oranges, Valencia	Carton	12,678	0	0	12,678
Tangerines, Fairchild	Carton	0	22,869	0	22,869
Tangerines, Minneola	Carton	126	115,215	0	115,341
Tangerines, Orlando	Carton	0	2,580	0	2,580
<u>CITRUS BY-PRODUCTS</u>					
Grapefruit, Ruby	Ton	0	11	0	11
Lemons	Ton	0	4,971	0	4,971
Oranges, Navel	Ton	0	93	0	93
Tangerines, Fairchild	Ton	0	194	0	194
Tangerines, Minneola	Ton	0	889	0	889
Tangerines, Orlando	Ton	0	36	0	36

FIVE YEAR PRODUCTION COMPARISONS

Comparison of Fresh Cartons

Commodity	Carton Size	2013-14	2014-15	2015-16	Revised 2016-17	2017-18
Anise	37 lbs.	68,328	70,171	90,012	98,459	88,480
Apples	40 lbs.	65,995	38,467	37,205	14,700	15,787
Artichokes	23 lbs.	5,178	31	0	0	0
Arugula	35 lbs.	379,600	431,964	703,398	642,207	750,841
Asparagus	30 lbs.	2	1	0	0	48
Bean Sprouts	10 lbs.	0	1,580	722	0	1,104
Beans, Green	25 lbs.	796	212	151	3	0
Beets	35 lbs.	36,874	161,822	48,719	79,217	99,793
Bok Choy	38 lbs.	121,861	73,994	77,593	84,085	67,230
Broccoli	23 lbs.	3,325,700	4,190,708	4,712,754	5,774,409	5,553,281
Brussel Sprouts	25 lbs.	157,036	5,376	555	17,093	40,499
Cabbage	50 lbs.	3,785,527	1,755,642	3,169,207	3,312,379	3,297,703
Canary Melons	30 lbs.	0	0	0	260	0
Cantaloupes	40 lbs.	9,507,459	8,333,159	9,194,931	8,676,637	9,244,179
Cauliflower	25 lbs.	2,778,267	2,789,930	3,341,121	4,032,473	4,631,240
Celery	50 lbs.	1,548,325	1,775,063	1,989,449	2,307,515	4,017,663
Cilantro	20 lbs.	362,752	487,901	463,292	622,501	676,646
Corn, Sweet	50 lbs.	162,917	251,252	310,604	415,261	424,073
Cucumbers	30 lbs.	678,423	470,424	87,947	403	0
Daikon	40 lbs.	0	0	0	40	196
Dandelion/Dill	15 lbs.	39,146	63,121	30,390	33,975	36,289
Eggplant	33 lbs.	1,146	375	6,249	0	0
Endive	30 lbs.	16,000	15,902	27,930	19,212	15,217
Escarole	30 lbs.	25,453	27,872	4,893	8,230	13,296
Figs	20 lbs.	0	17,830	37,623	7,491	27,508
Frisee	35 lbs.	26,221	1,593	2,137	4,239	866
Garlic	30 lbs.	7	20	41	0	0
Grapefruit	34 lbs.	11,265	31,350	12,499	12,566	11,488
Grapes	20 lbs.	0	1,129	7,183	8,285	0
Greens, Mixed	25 lbs.	66,443	53,629	41,075	108,062	101,885
Herbs	5 lbs.	207,163	133,901	161,881	69,350	36,384
Honeydew	30 lbs.	2,669,039	1,875,627	2,038,637	1,960,207	2,397,874
Kale/Flowering Kale	25 lbs.	588,054	972,037	729,520	806,376	757,520
Kohlrabi	20 lbs.	7,820	7,983	6,344	9,470	12,328
Leeks	30 lbs.	18,222	15,369	25,108	20,024	29,150
Lemons	40 lbs.	1,635,546	2,542,931	2,418,119	2,717,532	1,692,509
Lettuce, Boston	35 lbs.	647,928	349,256	300,783	438,760	533,763
Lettuce, Iceberg	50 lbs.	23,448,232	20,102,262	25,374,021	24,220,179	23,923,370
Lettuce, Leaf	35 lbs.	5,392,560	6,397,350	6,485,046	5,952,196	6,548,719
Lettuce, Romaine	40 lbs.	17,229,697	17,936,861	21,531,432	22,973,908	21,912,452
Mache	35 lbs.	5,035	0	0	0	0
Napa	40 lbs.	135,118	174,636	119,612	100,255	101,122
Okra	30 lbs.	0	0	0	0	0

*Included in Spring Mix

Comparison of Fresh Cartons Continued

Commodity	Carton Size	2013-14	2014-15	2015-16	2016-17	2017-18
Onions, Dry	50 lbs.	505,196	472,758	833,091	762,584	684,018
Onions, Green	13 lbs.	776	760	187	27,422	0
Orange Flesh Melons	30 lbs.	23,871	0	0	0	0
Oranges	40 lbs.	53,512	67,281	54,783	29,930	45,781
Parsley	21 lbs.	186,052	253,770	279,396	279,968	290,001
Peaches	26 lbs.	5,033	2,602	579	0	0
Pears	26 lbs.	4,638	2,592	6,155	260	621
Peas, English	25 lbs.	0	486	67	0	80
Peppers, Bell	30 lbs.	3	15	8	6	0
Peppers, Chile	30 lbs.	1	0	0	0	0
Potatoes, Table 50#	50 lbs.	616,247	666,068	516,710	726,948	511,105
Pumpkins	60 lbs.	0	0	0	33,419	1,783
Radicchio	35 lbs.	19,109	23,690	15,941	50,656	46,452
Rapini	25 lbs.	218	0	0	0	0
Santa Claus Melons	30 lbs.	0	0	96	10,960	0
Specialty & Mixed Melons	30 lbs.	460,022	569,591	361,855	379,274	522,651
Spinach	25 lbs.	4,760,135	3,416,655	7,733,769	7,165,532	7,427,594
Spring Mix	35 lbs.	3,317,097	5,427,443	5,649,201	4,262,435	2,923,325
Squash, Summer	30 lbs.	105	229	30,346	0	0
Squash, Winter	42 lbs.	22,675	13,810	0	0	0
Strawberries	24 lbs.	0	11,719	85,027	0	0
Sweet Potatoes/Yams	40 lbs.	126	5	0	468	0
Swiss Chard	15 lbs.	148,120	152,404	135,988	151,327	155,005
Tangerines	40 lbs.	161,703	205,891	187,370	142,661	140,790
Tomatoes	30 lbs.	1,961,434	1,786,757	822,762	2,246,631	927,229
Turnips	50 lbs.	30,220	18,624	13,604	16,418	26,545
Watercress	8 lbs.	78	0	0	955	78,156
Watermelon	60 lbs.	2,165,306	2,562,578	4,056,847	2,993,654	4,747,176
Total Cartons		89,596,812	87,214,459	104,371,965	104,829,467	105,588,815

FIVE YEAR PRODUCTION MANUFACTURED TONS COMPARISONS

Comparison of Mfg. Tons

Commodity	2013-14	2014-15	2015-16	2016-17	2017-18
Apples	3,083	1,287	2,367	1,844	1,777
Grapefruit	0	0	0	14	11
Lemons	14,170	22,851	7,860	9,495	4,971
Onions, Dry	0	2	0	0	0
Oranges	0	243	0	110	93
Pepper, Bell	0	578	834	1	0
Pepper, Chile	3,986	4,029	3,436	3,835	0
Potatoes, Table	0	0	0	200	0
Tangerines	1,058	2,388	838	1,378	1,120
Total Mfg. Tons	22,297	31,378	15,335	16,875	7,971

CITRUS, FRUIT & VEGETABLE DIVISION

CFV LICENSING

License Type	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Citrus Dealer	73	39	59	29	45
Produce Dealers	229	231	228	229	225
Shippers	165	157	154	158	150
Total	537	427	441	416	420

ORGANIC CERTIFICATION COST SHARE REIMBURSEMENTS

Organic operations may receive one reimbursement per certificate or scope of certification per year. The NOP currently recognizes four scopes of certification: crops, wild crops, livestock, and processing/handling. This means that clients with more than one certification scope may be eligible for more than one reimbursement.

Eligible operations will be reimbursed up to 75% of their organic certification costs, not to exceed \$750, for each NOP scope of organic certification. Any operation that is located within the United States and received organic certification on or between October 1, 2017 and September 30, 2018 may apply for reimbursement.

Fiscal Year	Certification Dates	Number of Reimbursements	Amount Reimbursed
FY 2011	October 1, 2010-September 30, 2011	32	\$31,989.22
FY 2012	October 1, 2011-September 30, 2012	43	\$35,888.48
<i>FY 2013</i>	<i>The USDA did not renew the Arizona grant for Organic Certification Cost Share Reimbursement for October 1, 2012-September 30, 2013.</i>		
FY 2014	October 1, 2013- September 30, 2014	48	\$40,897.37
FY 2015	October 1, 2014- September 30, 2015	58	\$67,727.27
FY 2016	October 1, 2015- September 30, 2016	60	\$41,273.58
FY 2017	October 1, 2016- September 30, 2017	91	\$67,794.83
FY 2018	October 1, 2017- September 30, 2018	98	\$67,491.37
Total		284	\$285,570.75

FEDERAL STATE INSPECTION SERVICE

The Arizona Federal-State Inspection Service, Fresh Produce Grade Inspection operates under a cooperative agreement between the United States Department of Agriculture and the Arizona Department of Agriculture. Citrus, Fruit and Vegetable Division has managed the program since 1996. The service is self supported with mandatory and voluntary inspection and certifications of fruits, vegetables and nuts and is funded entirely through user fees.

Inspection	Fiscal Year	Nogales	Phoenix	Yuma	Total
Market Inspections	FY 2016	453	523	6	982
	FY 2017	391	361	7	759
	FY 2018	538	611	16	1,165
Shipping Point Inspection	FY 2016	19,369	99	391	19,859
	FY 2017	21,174	101	313	21,588
	FY 2018	17,843	27	306	18,176
GHP/GAP Audits Statewide	FY 2016	42			
	FY 2017	39			
	FY 2018	40			