

FRESNO COUNTY.



ANNUAL CROP & LIVESTOCK

REPORT

2018



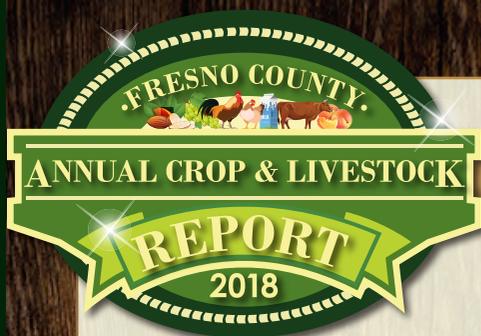


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All photos courtesy of Fresno County Department of Agriculture Staff
 This report is also available at our internet site:
<https://www.co.fresno.ca.us/departments/agricultural-commissioner>



County of Fresno

DEPARTMENT OF AGRICULTURE

MELISSA CREGAN

AGRICULTURAL COMMISSIONER/
SEALER OF WEIGHTS & MEASURES

Karen Ross, Secretary
California Department of Food and Agriculture

The Honorable Board of Supervisors
County of Fresno

Nathan Magsig, Chairman
Steve Brandau Buddy Mendes
Sal Quintero Brian Pacheco
Jean M. Rousseau,
County Administrative Officer

It is my pleasure to submit the 2018 Fresno County Agricultural Crop and Livestock Report. In each of our annual reports, the Department likes to highlight a segment of our history; and this edition will feature the California Department of Agriculture's Direct Marketing Program and the certified producers and their crops. This report is produced in accordance with Sections 2272 and 2279 of the California Food and Agriculture Code; and summarizes the acreage, production, and value of agricultural commodities produced in Fresno County. Fresno County's total gross production value for 2018 is \$7,887,583,790. This represents an increase of \$859,559,690 or 12.23% over the previous year's total of \$7,028,024,100.

Once again, almonds continue to be the leading agricultural commodity in Fresno County with a gross value of \$1,178,182,069, which represents 14.94% of the total gross value of all crops produced in 2018. The total gross value of grapes remained in the number two spot at \$1,106,858,236 followed by pistachios for the first time at \$862,144,401.

Fresno County's agricultural strength is based on the diversity of crops produced. Included in the 2018 report are over 300 different commodities, 76 of which have a gross value in excess of \$1,000,000. Although individual commodities may experience difficulties from year-to-year, Fresno County continues to supply the highest quality of food and fiber nation wide and abroad to more than 95 countries around the world.

Crop values vary from year to year based on production, market fluctuations and weather. It is important to note the figures provided in this report reflect gross values and do not take into account the costs of production, marketing, transportation, or other ancillary costs. These figures do not represent net income or loss to the producers of these commodities.

This report is our yearly opportunity to recognize the growers, shippers, ranchers and other businesses instrumental to and supportive of agriculture in Fresno County. We truly appreciate the many producers, processors, and agencies (both private and public) that supported our efforts in completing this report. In addition, a hearty thank-you goes out to my entire staff; especially Fred Rinder, Scotti Walker, Angel Gibson, Rosemarie Davis, Sam Sohal, and Shoua VangXiong. Without their hard work and valuable input, this report would not be possible.

Respectfully submitted,

Melissa Cregan
Agricultural Commissioner
Sealer of Weights and Measures



CROPS

Rank		2018 Total Value	2017 Rank	2008 Rank
1	Almonds	\$ 1,178,182,069	1	2
2	Grapes	\$ 1,106,858,236	2	1
3	Pistachios	\$ 862,144,401	4	13
4	Poultry*	\$ 596,477,120	3	3
5	Garlic	\$ 435,339,722	12	9
6	Milk	\$ 415,812,000	5	4
7	Cattle	\$ 392,235,000	7	6
8	Onions	\$ 370,383,721	13	11
9	Tomatoes	\$ 324,508,042	8	5
10	Mandarins	\$ 234,968,779	6	+

Includes commodity totals reported in the "Other" category such as organic, by-products, processed etc.

* Includes Turkeys, Chickens, Ducks, Geese, Gamebirds & Eggs

+ Not previously separated for ranking purposes

MILLION

DOLLAR CLUB

Pistachios



800 MILLION

**Almonds
Grapes**



1 BILLION

**Poultry
(including Eggs)**



500 MILLION

**Garlic
Milk**



400 MILLION

**Cattle and Calves
Onions
Tomatoes**



300 MILLION

**Mandarins
Peaches
Oranges**



200 MILLION

**Cotton
Nectarines
Pollination
Plums**



100 MILLION

Cantaloupes



70 MILLION

BY THE MILLION

- Alfalfa **60**
- Corn, Lettuce, Nursery **50**
- Leaf Lettuce, Pomegranates **40**
- Cherries, Honeydew Melon, Lemons, Wheat, Carrots, Blueberries **30**

BY THE MILLION

- Mixed Melons, Kiwi, Vegetable Seed, Walnuts **20**
- Bell Pepper, Other Citrus, Sheep and Lambs (including Wool) **18**
- Pears, Apricots, Manure, Oriental Vegetables **17**

BY THE MILLION

- Honey, Broccoli **15**
- Rangeland **14**
- Beans, Watermelon **13**
- Hogs & Pigs **11**
- Parsley **8**
- Eggplant, Persimmons, Pluots **7**
- Rice **6**

BY THE MILLION

- TRITICALE - ALL **5**
- Squash, Asparagus, Olives, Sorghum **4**
- Apples, Moringa **3**
- Spinach, Boysenberries, Peas, Irrigated Pastures, Timbers **2**
- Other Industrial, Barley, Napa Cabbage, Blackberries, Mustard, Chili Pepper, Cabbage, Siqua, Winter Forage, Swiss Chard, Radicchio, Guava **1**



California Direct Marketing and the Rise of the Certified Farmers Markets



○ In 1977, California Governor Jerry Brown signed an executive order which allowed California farmers to sell their crops directly to the public. This was in response to a labor dispute in 1976 which caused the loss of many perishable crops. California Food and Agricultural Code (FAC), Title 3, Division 17, Chapter 10.5, beginning in Section 4700 legislatively addresses direct marketing. California Code of Regulations (CCR), Title 3, Chapter 1, Subchapter 4, Article 6.5, Section 1392 – 1392.12 implements the law.

The purpose of the direct marketing laws and regulations is to allow California farmers to sell directly to consumers exempt from certain standardization requirements such as standard containers, standard pack, container labeling and size. However, produce must meet all quality and maturity regulations. Growers who choose to participate in other markets such as swap meets and uncertified farmers markets are not exempt from standard containers, standard pack, container labeling and size, and must have proof of ownership while transporting their product to market.



California Direct Marketing and the Rise of the Certified Farmers Markets



Farmers are qualified to sell directly to consumers if they practice the “agricultural arts.” A farmer, or practitioner of the agricultural arts, must control the land that is being farmed by owning, renting, leasing or sharecropping. Also, any practitioner must be personally involved in all phases of getting agricultural products to market. Phases of production include planting, growing, fertilizing, irrigating, cultivating, harvesting and controlling pests.





What is a CFM?

⦿ Certified farmer's markets (CFMs) are sites where certified farmers can sell their agricultural products directly to the public. CFMs are authorized by the county agricultural commissioner (CAC) and must comply with governing legislation and regulations. Also, CFMS must adhere to established market rules. Each CFM develops written market rules that act as a plan for operations and activities. CFMs provide a known location and time that the public can purchase certified agricultural products from the farmer.



What is a CPC?

A farmer must be authorized and certified by the county agricultural commissioner. After a production site inspection a Certified Producer Certificate is issued by the county agricultural commissioner in which the crops and products are grown and harvested. The certificate shall list all of the crops or products intended for sale. The certificate shall be posted at the booth. Also, growers are to post a banner stating, "We grow what we sell" and the county of production. Certified agricultural products sold at CFMs are fresh fruits, nuts, vegetables, shell eggs, honey, flowers and nursery stock grown or produced, and harvested, by a certified producer.



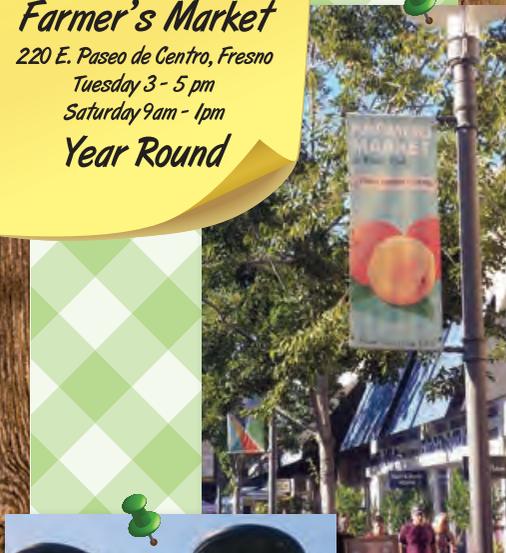
Certified Farmer's Markets



**River Park
Farmer's Market**
220 E. Paseo de Centro, Fresno
Tuesday 3 - 5 pm
Saturday 9 am - 1 pm
Year Round



Fresno County has 6 certified farmers' markets (CFMs). The Direct marketing of agricultural products through CFMs benefits both growers and consumers. CFMs provide a marketing alternative without disrupting the other produce marketing systems. The high quality and fresh produce brought to these six CFMs by the producers creates a diverse selection of products while providing the consumer the opportunity to meet the farmer and learn how their food is produced. CFMs are a great opportunity for small farmers to market their products without the added expense of commercial preparation.



**The Market
on Kern**
Kern Street
(Between M & N Streets)
Fresno
Wednesday 10 am - 2 pm



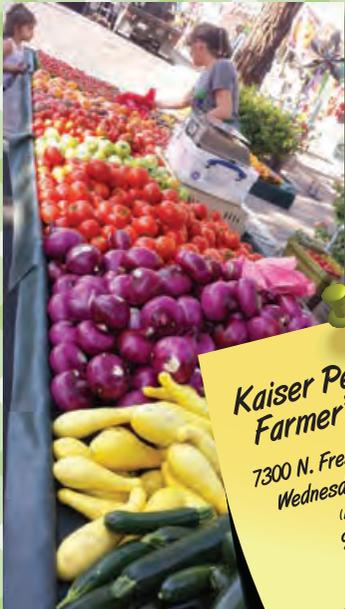
Certified Farmer's Markets



Old Town Clovis Farmer's Market
 FRIDAY NIGHTS
 433 Pollasky Avenue (between 5th & Bullard)
 5:30 pm - 9:30 pm (May 10 - Sept 7)
 SATURDAYS (Year Round)
 Pollasky Avenue (between 4th & 5th)
 8:00 am - 11:30 pm

Fresno County Department of Agriculture staff issued 236 certified producer certificates for 540 properties consisting of 10,200 acres. Certified producers in Fresno County grow 187 commodities. Each grower has had their fields checked to verify that they are fulfilling the promise,

"We Grow What We sell".



Kaiser Permanente Farmer's Market
 7300 N. Fresno Street, Fresno
 Wednesday 8 am - 1:30 pm
 (March - November)
 9 am - 1:30 pm
 (December - February)



If you are interested in opening a Certified Farmers Market, or becoming a Certified Producer, please contact the Fresno County Agricultural Commissioner's Office at 559-600-7510.



Sanger Farmer's Market & Street Fair
 7th Street between Academy Ave. and O Street - Sanger
 Saturday 5 - 9 pm
 September 1 - 30





2018 CROP HIGHLIGHTS

FIELD CROPS:

The total gross returns for field crops increased by 6.00 percent, from \$323,047,000 in 2017 to \$342,442,000 in 2018. The total value for all cotton also grew once again this year to \$183,576,000, which was an increase of \$13,471,000 dollars from the 2017 value. Although 2018 Upland cotton acreage and the price for lint both decreased (35.70%) and (7.37%) respectively, the production per acre showed a 64.36 percent increase. The Pima variety of cotton's production per acre also increased, but by a lesser amount (26.33 percent), this did in fact help the total value for pima cotton to increase by \$13,578,000 from the 2017 total value. Alfalfa hay acreage was down again slightly this year, but an increase of 1.18 ton per acre, along with an increase in the price per ton, did cause the total value to increase by 38.42 percent to \$52,875,000 dollars. This year the wheat hay acreage fell by almost 3,000 acres, but this could have helped the price per ton to increase to \$169 for 2018. Corn silage held steady with just a small decrease in harvested acreage and an increase of \$3.00 in the price per ton. Harvested acreage for wheat grain fell again, this year by 13.67 percent to 22,100 acres

SEED CROPS:

The total gross returns for all seed crops increased by 34.05 percent or \$9,454,000 to \$37,219,000 for 2018. Certified alfalfa seed acreage decreased again this year, but at least not by 1,300 acres, as it did in 2017, this year it just fell by 530 acres to 4,720 acres harvested this year.

VEGETABLE CROPS:

This year the total value increased from \$990,326,000 in 2017 to \$1,520,149,000 or by 53.99 percent, after having decreased the previous two years in a row. The total acreage in vegetable crops increased by 1,783 acres to 186,469 acres. Tomatoes fell from the number eight to the number nine spot on Fresno County's top 10 Leading Crop list, due mainly to the 34.08 percent decrease in total value of standard tomatoes, due to the price dropping because the market was flooded with foreign imports. The acreage harvested for processing tomatoes increased by 5.11 percent to 77,140 acres. Garlic made it back onto the Fresno County's Top Ten list; a combination of an increase in yield and price per ton had the gross value for fresh and processed garlic climbing to \$433,608,000 from 2017's value of \$144,450,000. Spring Head lettuce values leveled out this year since there was not any unfavorable weather problems to cause problems in the supply chain. Although the total value fell from \$43,868,000 to \$16,461,000, the production per acre increased by 1.58 tons per acre to 16.81. The total melon acreage in the county increased this year by 621 acres, or 2.80 percent, due to the 2,991 acre increase in mixed melons, the total value also increased greatly because the price per ton received increased by 39.75 percent to \$661.00 per ton. The squash total value fell to \$4,824,000, even though the acreage increased slightly but the price paid per ton fell to \$659.00 per ton. Oriental vegetable acreage decreased 10.70 percent to 1,118 acres; some growers expressed that the decrease in production was due to the lack of well water and extreme heat during the summer.



FRUIT AND NUT CROPS:

Fruit and nut crops increased in total gross value by \$324,660,000, or 8.05 percent to \$4,357,961,000, this is the second time fruit and nut has surpassed the **four-billion-dollar** mark. Almonds has surpassed the billion-dollar mark for five years now, holding on to the number one spot on the Fresno County's Top Ten ranking, while grapes held on to the number two spot on the list. Once again, this year there was an increase in the value per ton for all raisin variety grapes except those packed for the fresh market. The production per acre increased this year by 23.39 percent to 10.18 tons per acre. All the categories (crush, dried, fresh, and juice) within raisin variety grapes had an increase in the price per ton of at least \$28.00 dollars except for those packed for fresh market, which fell by \$445.00 per ton. Table variety grapes showed an increase in acres harvested and total tons per acre for the second year in a row. But just like the raisin variety table grapes, the table variety grapes packed for the fresh market also showed a decrease in the price paid per ton, falling from \$1,719.00 in 2017 to \$1,322.00 in 2018. Oranges fell to from the Top Ten list for the first time since 2014, even though the total combined value increased by \$8,807,000 to \$212,126,000. Both Navel and Valencia variety oranges showed an increase in the value per ton for those sold as fresh, although the processed price for navels increased the price for the Valencia variety fell to \$88.00 per ton. The total value of the Mandarin/Tangerine crop fell by \$197,678,00 or 46.22 percent, even though the harvested acreage increased by a little over 1,000 acres. Total value of peaches increased to \$221,554,000, or by 9.16 percent from the 2017 value. The price per ton paid for Cling's increased by 11.89 percent, while the price for fresh Freestone types decreased by over \$300.00 per ton to \$1,354.00. Pistachios increased in value to \$857,070,000, the highest it has ever been and moved up one spot to the number three spot on the Top Ten list. Cherries had an increase in harvested acreage again this year but, the production per acre fell by 36.84 percent to 2.16 tons per acre, due to the cold weather at the beginning of spring, that resulted in a lighter fruit set. Walnut acreage increased by almost 600 acres or 6.96 percent, but that was not enough to increase the total gross value since the price paid per ton fell by a whopping 41.03 percent due to ongoing trade wars.

NURSERY:

The value of nursery products increased by \$12,814,000, to a total of \$51,061,000 in 2018 due in large part to shifting business patterns. Herbaceous Ornamentals, which includes (aquatic plants, potted plants, bedding plants, decorative plants, flats, annuals perennials and grasses), increased in value by 36.84 percent to \$5,839,000. Ornamental trees and shrubs increased across all categories once again this year; the total acres increased by a whopping 50 acres and the total value increased to \$12,011,000. The other category which includes bareroot trees, Christmas trees, citrus budwood and trees, grape rootings and cuttings, along with vegetable transplants and sod increased in value by over 10 million dollars, because the quantity sold increased by 54.82 percent.



LIVESTOCK AND POULTRY:

The total gross returns for livestock and poultry fell in 2018 to \$989,912,000, that was a decrease of 1.79 percent from the 2017 value. The total value of all cattle and calves sold decreased by 7.45 percent to \$392,235,000, due to some price decreases, but they held on to the number seven spot on the Top Ten Crop List. Slaughter stock which includes both beef and dairy slaughter cattle decreased slightly by 1.93 percent, although the hundredweight (cwt) sold increased to 1,460,000 cwt, or by 1.18 percent. Dairy Cattle showed a larger decrease in the total value, it fell to \$186,836,000, or by 13.72 percent, due to all the prices in this section decreasing. Hogs and pigs increased in value by 55.15 percent, due to an increase in number of head sold and an increase of 45.86 percent in the price per hundredweight. The value of lambs decreased, while the value for sheep increased, due to the price fluctuations in the prices paid per hundredweight for both categories. The poultry and miscellaneous other category which includes chickens, turkeys, ducks, geese, gamebirds, fish, goats, and beneficial insects increased by \$16,586,000 from last year to \$568,838,000.

LIVESTOCK AND POULTRY PRODUCTS:

The total value for livestock and poultry products decreased to by 8.51 percent to \$462,802,000, from 2017 value of \$505,879,000 because of the drop-in milk prices and a decrease in the other category. Milk moved from the number five to the number six spot on Fresno County's top 10 Leading Crop list, due mainly to the 5.73 percent decrease in the value of market milk, although the price for manufacturing milk fell by \$4.28 per cwt. The value for manure also increased from \$9,277,000, to \$17,700,000, due to the \$5.11 increase in the price per ton.

APIARY PRODUCTS AND POLLINATION SERVICES:

Gross returns for apiary and pollination services was increased by \$26,557,000 in 2018 to \$122,141,000. Honey increased in total value by 7,198,000 due to an increase in the price received and the number of pounds sold. The total value of all pollination services increased by 23.30 percent, mostly due to the increase in the trees, fruit and nut and melon pollination values.

INDUSTRIAL CROPS:

Industrial crops decreased in value 34.05 percent to \$3,806,000 from last year's value of \$5,909,100. The value of timber was fell even though the total board feet that was harvested increased by 92,413,000 board feet. The industrial other category which includes poles, posts and split products, bark, biomass, compost, cones, ground cover, mulch, pomace, and wood fines fell to \$1,814,000 dollars.



FIELD CROPS

CROP	YEAR	PRODUCTION				VALUE	
		HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Corn							
Silage	2018	24,410	19.66	480,000	ton	\$ 49.00 ^a	\$ 23,520,000
	2017	24,857	20.41	507,000	ton	\$ 46.00 ^a	\$ 22,815,000
Cotton							
Upland Lint	2018	3,350	1,688.00 ^b	11,300 ^c	bale	\$ 0.88 ^d	\$ 5,012,000
	2017	5,210	1,027.00 ^b	10,700 ^c	bale	\$ 0.95 ^d	\$ 5,123,000
Seed	2018			4,070	ton	\$ 276.00	\$ 1,123,000
	2017			4,130	ton	\$ 271.00	\$ 1,119,000
Pima Lint	2018	65,740	1,857.00 ^b	244,000 ^c	bale	\$ 1.26 ^d	\$ 154,950,000
	2017	69,845	1,470.00 ^b	205,000 ^c	bale	\$ 1.40 ^d	\$ 144,648,000
Seed	2018			94,900	ton	\$ 237.00	\$ 22,491,000
	2017			79,400	ton	\$ 242.00	\$ 19,215,000
Cotton Total^e	2018	69,090					\$ 183,576,000
	2017	75,055					\$ 170,105,000
Hay							
Alfalfa	2018	32,122	7.32	235,000	ton	\$ 225.00	\$ 52,875,000
	2017	32,593	6.14	200,000	ton	\$ 191.00	\$ 38,200,000
Wheat	2018	17,680	3.49	61,700	ton	\$ 169.00	\$ 10,427,000
	2017	20,400	4.71	96,100	ton	\$ 148.00	\$ 14,223,000
Other ^f	2018	9,960	0.8	7,970	ton	\$ 242.00	\$ 1,929,000
	2017	1,182	2.08	2,460	ton	\$ 124.00	\$ 305,000
Wheat							
Grain	2018	22,100	2.87	63,400	ton	\$ 222.00	\$ 14,075,000
	2017	25,600	1.73	44,300	ton	\$ 194.00	\$ 8,594,000
Silage	2018	15,860	10.28	163,000	ton	\$ 53.00	\$ 8,639,000
	2017	18,615	21.06	392,000	ton	\$ 38.00	\$ 14,896,000

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FIELD CROPS

CROP	YEAR	PRODUCTION			VALUE	
		HARVESTED ACREAGE	PER ACRE	TOTAL UNIT	PER UNIT	TOTAL
Other ^g	2018	887,080				\$ 47,401,000
	2017	59,240				\$ 39,629,000
Total	2018	1,078,300				\$ 342,442,000
	2017	1,097,542				\$ 323,047,000

- a Field price
- b Pounds of lint per acre
- c 500 pounds lint per bale
- d Price per pound, 504 pounds gross weight per bale
- e Does not include cotton seed for planting
- f Includes hay from: barley, oats, rye grass, sudan grass and winter forage
- g Includes alfalfa (silage and grain), beans (dried), corn (grain), cotton by-products, field stubble (includes acres not included in total field crop acreage), irrigated pasture, oat (grain and silage), rangeland, rice (grain and bran), sorghum (silage and grain), sudangrass silage, straw, triticale (forage and grain), wheatgrass silage, winter forage silage, ORGANIC: barley, corn silage, rice grain, wheat grain



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SEED CROPS

CROP	YEAR	PRODUCTION				VALUE		
		HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL	
Alfalfa Certified	2018	4,720	657	3,101,000	lb	\$ 3.25	\$ 10,078,000	
	2017	5,250	685	3,596,000	lb	\$ 3.28	\$ 11,795,000	
Vegetable^a	2018	1,560					\$ 24,285,000	
	2017	1,570					\$ 8,315,000	
Other^b	2018	2,010					\$ 2,856,000	
	2017	2,700					\$ 7,655,000	
Total	2018	8,290					\$ 37,219,000	
	2017	9,520					\$ 27,765,000	

a Lettuce (head & leaf), mizuna, and onion

b Alfalfa non-certified and wheat





VEGETABLE CROPS

CROP	YEAR	PRODUCTION				VALUE	
		HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Asparagus	2018	710	2.30	1,630	ton	\$ 2,992.00	\$ 4,877,000
	2017	970	3.44	3,340	ton	\$ 3,387.00	\$ 11,313,000
Broccoli ^a	2018	3,394	5.13	17,400	ton	\$ 885.00	\$ 15,399,000
	2017	3,840	6.65	25,500	ton	\$ 1,133.00	\$ 28,892,000
Corn, Sweet	2018	6,090	10.51	64,000	ton	\$ 438.00	\$ 28,032,000
	2017	5,872	8.07	47,400	ton	\$ 487.00	\$ 23,084,000
Eggplant ^b	2018	760	12.28	9,330	ton	\$ 785.00	\$ 7,324,000
	2017	940	17.98	16,900	ton	\$ 839.00	\$ 14,179,000
Garlic							
Fresh/Processed	2018	25,280	8.04	203,000	ton	\$ 2,136.00	\$ 433,608,000
	2017	25,060	5.39	135,000	ton	\$ 1,070.00	\$ 144,450,000
Head Lettuce							
Naked				9,400	ton		
Wrapped				35,900	ton		
Bulk				13,700	ton		
Spring	2018	3,510	16.81	59,000	ton	\$ 279.00	\$ 16,461,000
Season Total	2017	3,420	15.23	52,100	ton	\$ 842.00	\$ 43,868,000
Naked				7,200	ton		
Wrapped				35,300	ton		
Bulk				23,600	ton		
Fall	2018	3,950	16.73	66,100	ton	\$ 413.00	\$ 27,299,000
Season Total	2017	4,130	18.64	77,000	ton	\$ 390.00	\$ 30,030,000
Head Lettuce	2018	7,460	125,100				\$ 43,760,000
Totals	2017	7,550	129,100				\$ 73,898,000
Lettuce Leaf ^c	2018	4,040	15.42	62,300	ton	\$ 500.00	\$ 31,150,000
	2017	3,940	9.16	36,100	ton	\$ 1,050.00	\$ 37,905,000



VEGETABLE CROPS

CROP	YEAR	PRODUCTION				VALUE	
		HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Melons							
Conventional & Organic							
Cantaloupe ^a	2018	13,500	17.41	235,000	ton	\$ 331.00	\$ 77,785,000
	2017	13,820	16.06	222,000	ton	\$ 369.00	\$ 81,918,000
Honeydew ^a	2018	4,470	18.12	81,000	ton	\$ 448.00	\$ 36,288,000
	2017	4,910	17.23	84,600	ton	\$ 416.00	\$ 35,194,000
Mixed Melons	2018	3,660	11.53	42,200	ton	\$ 661.00	\$ 27,894,000
	2017	669	15.55	10,400	ton	\$ 473.00	\$ 4,919,000
Watermelon	2018	1,180	26.44	31,200	ton	\$ 434.00	\$ 13,541,000
	2017	2,780	20.07	55,800	ton	\$ 475.00	\$ 26,505,000
Melon Total	2018	22,800					\$ 155,508,000
	2017	22,179					\$ 148,536,000
Onions							
Fresh/Processed	2018	18,980	23.39	444,000	ton	\$ 830.00	\$ 368,520,000
	2017	20,540	22.30	458,000	ton	\$ 279.00	\$ 127,782,000
Oriental Vegetables^d	2018	1,118		10,300	ton		\$ 17,108,000
	2017	1,252		12,620	ton		\$ 17,302,000
Pepper, Bell^a	2018	1,680	23.33	39,200	ton	\$ 455.00	\$ 17,836,000
	2017	650	18.15	11,800	ton	\$ 739.00	\$ 8,720,000
Squash^e	2018	727	10.07	7,320	ton	\$ 659.00	\$ 4,824,000
	2017	700	12.81	8,970	ton	\$ 985.00	\$ 8,836,000
Tomatoes							
Standard	2018	6,620	24.17	160,000	ton	\$ 102.00	\$ 16,320,000
& Cherry	2017	7,253	13.03	94,500	ton	\$ 262.00	\$ 24,759,000
Processed	2018	77,140	56.49	4,358,000	ton	\$ 68.00	\$ 296,344,000
	2017	73,390	51.70	3,794,000	ton	\$ 67.00	\$ 254,198,000
Tomatoes Total	2018	83,760					\$ 312,664,000
	2017	80,643					\$ 278,957,000

CROP	YEAR	PRODUCTION			VALUE	
		HARVESTED ACREAGE	PER ACRE	TOTAL UNIT	PER UNIT	TOTAL
Other ⁹	2018	9,660				\$ 79,539,000
	2017	10,550				\$ 66,472,000
Total	2018	186,469				\$ 1,520,149,000
	2017	184,686				\$ 990,326,000

a Includes fresh and processed

b Includes Chinese, Filipino, Globe, Hawaiian, Indian, Italian, Japanese, mixed, and Thai varieties

c Includes Red, Green, Butter, and Romaine varieties

d Includes a choy, amaranth, bamboo, bitter melon (fruit, leaf and processed), bok choy, chayote (fruit and leaf), daikon, doan qua, gai choy, gailon, galangal, ginger, kabocha (fruit and leaf), lambsquarter, lemon balm, lemon grass, lo bok, long bean, malabar, mizuna, methi, moqua, mora, moringa (fruit and leaf), nagaimo, napa cabbage, ong choy, opo (fresh, processed and leaf), sugar snap peas (fruit and leaf), snow pea (fruit & leaf), saluyote, sinqua, sugar cane, sour leaf, soy bean, taro (root and leaf), tatsoi, tong ho, yam (root and leaves), and yu choy

e Includes summer and winter varieties

f Includes arugula, succulent beans, succulent bean leaf, beets, broccoli leaf, cabbage (fresh and processed), carrots (fresh, processed), casava (root and leaf), cauliflower, celery, chamomile, collards, corn (Indian and processed), cucumbers (fresh and processed), (Armenian, Indian, Japanese, Korean, market and pickling), dandelion green, gourd, jicama (yam beans), kale (fresh and processed), kohlrabi, lavender, leeks, mushrooms, mustard, okra, onions (green), parsnip, peas (English), peanuts, pennywort, pepper chili (fruit and leaf), potatoes, pumpkins (fresh & processed), purslane, radicchio, radish, rapini, rhubarb, rutabaga, shallot, spinach (fresh and processed), stevia, sunchokes, Swiss chard, tomatillo, turnips, water-cress; Herbs: basil, chive, cilantro, dill, fennel, marjoram, mint, oregano, parsley (fresh & dried), tarragon, thyme, sage, savory, misc; ORGANIC: corn (sweet), eggplant, garlic, leaf lettuce, onion (fresh and processed), pepper bell (fresh), squash (fresh), and tomato (fresh and processed)



Focus
On

Interesting crops appearing
more in the Market place



Sinqua



Sinqua (Luffa) can be found in smooth & ribbed varieties. It is also known as "Patola", "Moap", "silk squash" & "sponge gourd". Usually eaten when young and tastes similar to zucchini. When the fruit is mature and dried, it is peeled and used as a sponge. You may have seen one in your favorite bath & beauty store.



Sinqua
Blossom

Opo is a smooth hairless mild flavored squash. Usually harvested when 8-12 inches long. Often eaten in soups and stir-fry. When allowed to grow larger in size it becomes increasingly bitter and is no longer good for eating. It is often then dried and used as containers. This is why is it also known as the "bottle gourd".



Opo

It is also known as "cucuzza", "lauki", "Tasmania bean", "Italian edible gourd" & "hulu gua".



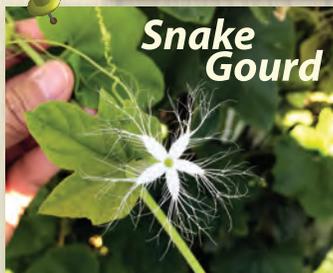
Moqua

Moqua "Fuzzy Gourd" is a smaller variety of the Chinese Winter Melon. This squash is usually eaten in the green immature stage before it develops the white wax bloom on the skin.



Donqua

Donqua "Chinese Winter Melon" is the big brother to the Moqua. This variety usually can weigh from 5 to 30 lbs. It is usually eaten mature when the skin turns from a green to a waxy white. The skin is usually discarded as it is too tough to eat.



Snake
Gourd

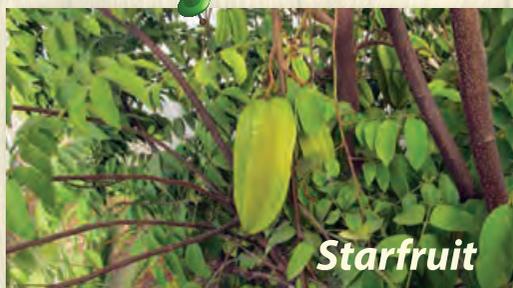
Snake Gourd is a long growing annual squash. Noteworthy are the flowers that open at night exposing long lacy tendrils on the pedals. The genus *Trichosanthes* comes from the Greek *trichos* (hairy) & *anthos* (flower).

Focus
On

Interesting crops appearing
more in the Market place



Chayote Squash can be eaten raw or cooked. The fruit as well as the leaves can be boiled, stir-fried or used in salads. Also known as "vegetable pear", "chcoco" or "christophene".



Starfruit is a sweet and tart fruit. With the shape of a five-point star. The skin is edible and the orange flesh has a mild sour flavor.



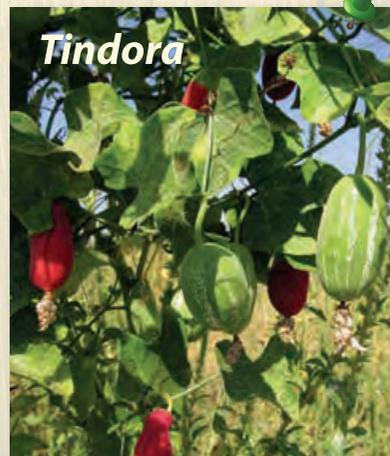
Sour Leaf also known as "Roselle" is a species of Hibiscus plant whose flowers are commonly steeped to make tea.



Like the name however, it is bitter. The Indian variety is warty with sharp ridges, the Chinese variety has smooth ridges and is less bitter. Both the leaf and the fruit are used in cooking. The fruit is eaten when green. Mature fruits turn bright orange and are then harvested for seed.



Bitter melon is a vegetable whose name can be a bit confusing. It is not what we usually think of when we think of a melon but is a squash.



Tindora is a tropical vine also known as "ivy gourd". It is a favored ingredient in Indian cooking used in curries, stir-fries, and a main ingredient in Indian pickles and chutneys. It is green when young and can turn a scarlet red when it matures. It is also known as "scarlet gourd" or "kowai fruit".

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FRUIT AND NUT CROPS

CROP	YEAR	PRODUCTION				VALUE	
		HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Almonds^a	2018	250,042	0.96	240,000	ton	\$ 4,626.00	\$ 1,110,240,000
	2017	228,109	1.13	258,000	ton	\$ 4,526.00	\$ 1,167,708,000
Almond Hulls	2018			543,000	ton	\$ 109.00	\$ 59,187,000
	2017			429,000	ton	\$ 68.00	\$ 29,172,000
Almond Total	2018						\$1,169,427,000
	2017						\$1,196,880,000
Apricots^a	2018	1,256	6.00	7,540	ton	\$ 2,220.00	\$ 16,739,000
	2017	1,255	7.19	9,024	ton	\$ 1,550.00	\$ 13,987,000
Blueberries^a	2018	1,316	3.55	4,670	ton	\$ 6,805.00	\$ 31,779,000
	2017	1,190	3.45	4,100	ton	\$ 6,017.00	\$ 24,670,000
Cherries	2018	4,122	2.16	8,900	ton	\$ 4,181.00	\$ 37,211,000
	2017	3,951	3.42	13,500	ton	\$ 3,389.00	\$ 45,752,000



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FRUIT AND NUT CROPS

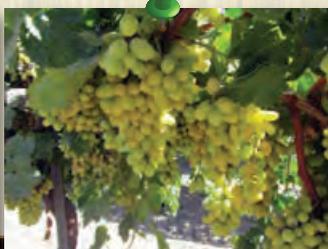
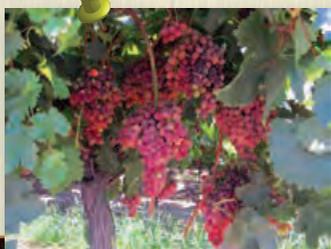
CROP	YEAR	PRODUCTION				VALUE	
		HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Citrus							
Lemons ^a							
Fresh	2018	2,819	15.15	42,700	ton	\$ 806.00	\$ 34,416,000
	2017	2,771	19.52	54,100	ton	\$ 580.00	\$ 31,378,000
Oranges							
Navel ^a							
	2018	24,705	14.58				
	2017	26,423	13.08				
Fresh	2018			281,000	ton	\$ 658.00	\$ 184,898,000
	2017			297,000	ton	\$ 626.00	\$ 185,922,000
Processed	2018			78,400	ton	\$ 155.00	\$ 12,152,000
	2017			48,600	ton	\$ 40.00	\$ 1,944,000
Valencia							
	2018	2,453	8.97				
	2017	2,388	11.93				
Fresh	2018			14,600	ton	\$ 988.00	\$ 14,425,000
	2017			20,500	ton	\$ 682.00	\$ 13,981,000
Processed	2018			7,400	ton	\$ 88.00	\$ 651,000
	2017			8,000	ton	\$ 184.00	\$ 1,472,000
Orange Total	2018	27,158					\$ 212,126,000
	2017	28,811					\$ 203,319,000
Mandarin/ Tangerine	2018	24,230	6.15	149,000	ton	\$ 1,544.00	\$ 230,056,000
Tangerine ^a	2017	23,185	11.50	267,000	ton	\$ 1,602.00	\$ 427,734,000
Citrus, other ^{a,b}							
Fresh	2018	2,119	13.12	27,800	ton	\$ 658.00	\$ 18,292,000
	2017	1,771	12.95	22,900	ton	\$ 556.00	\$ 12,932,000
Citrus Total	2018	56,326					\$ 494,890,000
	2017	56,538					\$ 675,363,000



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FRUIT AND NUT CROPS

CROP	YEAR	PRODUCTION			VALUE		
		HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Grapes							
Raisin	2018	80,024	10.18				
Varieties^a	2017	83,278	8.25				
Crushed	2018			114,000	ton	\$ 329.00	\$ 37,506,000
	2017			67,600	ton	\$ 299.00	\$ 20,212,000
Dried	2018			146,000 ^c	ton	\$ 2,150.00	\$ 313,900,000
	2017			129,000 ^c	ton	\$ 1,800.00	\$ 232,200,000
Fresh	2018			12,500	ton	\$ 1,053.00	\$ 13,163,000
	2017			11,200	ton	\$ 1,498.00	\$ 16,778,000
Juice	2018			1,620	ton	\$ 861.00	\$ 1,395,000
	2017			1,350	ton	\$ 833.00	\$ 1,125,000
Table	2018	28,500	13.56				
Varieties	2017	20,970	13.23				
Crushed	2018			11,500	ton	\$ 297.00	\$ 3,416,000
	2017			18,600	ton	\$ 259.00	\$ 4,817,000
Fresh	2018			310,000	ton	\$ 1,322.00	\$ 409,820,000
	2017			209,000	ton	\$ 1,719.00	\$ 359,271,000
Dried	2018			13,800 ^c	ton	\$ 1,827.00	\$ 25,213,000
	2017			10,600 ^c	ton	\$ 1,322.00	\$ 14,013,000
Wine	2018	59,514	12.93				
Varieties^a	2017	59,654	13.33				
Crushed	2018			711,000	ton	\$ 317.00	\$ 225,387,000
	2017			736,000	ton	\$ 308.00	\$ 226,688,000
Juice	2018			58,400	ton	\$ 1,054.00	\$ 61,554,000
	2017			59,200	ton	\$ 1,019.00	\$ 60,325,000
Grape Total	2018	168,038					\$ 1,091,354,000
	2017	163,902					\$ 935,429,000



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FRUIT AND NUT CROPS

CROP	YEAR	PRODUCTION				VALUE	
		HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Nectarines^a	2018	9,532	11.75	112,000	ton	\$ 1,291.00	\$ 144,592,000
	2017	9,582	7.95	76,200	ton	\$ 1,642.00	\$ 125,044,000
Peaches							
Cling (processed) ^a	2018	1,552	14.83	23,000	ton	\$ 508.00	\$ 11,684,000
	2017	1,609	17.13	27,600	ton	\$ 454.00	\$ 12,530,000
Freestone (fresh) ^a	2018	14,594	10.62	155,000	ton	\$ 1,354.00	\$ 209,870,000
	2017	13,217	8.70	115,000	ton	\$ 1,656.00	\$ 190,440,000
Peaches Total	2018	16,146					\$ 221,554,000
	2017	14,826					\$ 202,970,000
Pears, all^a	2018	784	13.27	10,400	ton	\$ 1,647.00	\$ 17,129,000
	2017	878	23.23	20,400	ton	\$ 1,326.00	\$ 27,050,000
Persimmons	2018	1,011	6.23	6,300	ton	\$ 1,136.00	\$ 7,157,000
	2017	889	7.73	6,870	ton	\$ 835.00	\$ 5,737,000
Pistachios^a	2018	109,633	1.95	214,000	ton	\$ 4,005.00	\$ 857,070,000
	2017	101,910	1.19	121,000	ton	\$ 4,273.00	\$ 517,033,000
Plums^a	2018	10,890	7.58	82,600	ton	\$ 1,244.00	\$ 102,754,000
	2017	9,548	7.72	73,700	ton	\$ 1,368.00	\$ 100,822,000
Plums, dried^a	2018	1,212	1.74	2,110	ton	\$ 1,757.00	\$ 3,707,000
	2017	977	2.19	2,140	ton	\$ 2,200.00	\$ 4,708,000
Pluots^{a,d}	2018	1,410	4.15	5,850	ton	\$ 1,215.00	\$ 7,108,000
	2017	1,262	8.72	11,000	ton	\$ 1,836.00	\$ 20,196,000



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FRUIT AND NUT CROPS

CROP	YEAR	PRODUCTION				VALUE	
		HARVESTED ACREAGE	PER ACRE	TOTAL	UNIT	PER UNIT	TOTAL
Pomegranates ^a	2018	3,561	10.45	37,200	ton	\$ 963.00	\$ 35,824,000
	2017	3,568	10.48	37,400	ton	\$ 445.00	\$ 16,606,000
Walnuts ^a	2018	9,008	1.71	15,400		\$ 1,299.00	\$ 20,005,000
	2017	8,422	1.73	14,600		\$ 2,203.00	\$ 32,164,000
Other ^e	2018	18,030					\$ 99,661,000
	2017	10,887					\$ 71,377,000
Total	2018	662,317					\$4,357,961,000
	2017	619,694					\$4,033,301,000



- a Additional acreage that is included in other fruit and nut crops: 99 apricots (dried), 21 acres raisin grapes (processed), 523 acres wine grapes (fresh & dried), 533 acres peaches freestone (processed), 57 peaches cling (fresh); ORGANIC: 3,398 acres almonds, 31.4 apples, 10.6 acres apricots, 48 acres blueberries, 32.5 acres figs dried and substandard, 2,341 acres raisin grapes (fresh, crushed and dried), 1 acres wine grapes (crushed), .1 acre lemons, 10 acres mandarins (fresh), 176 acres nectarines, 18.8 acres navel oranges (fresh), 17 acres other citrus, 359 acres peaches freestone (fresh & processed), 35 acres pears, 4.25 acres persimmons, 3.14 acres pistachios, 81.25 acres plums (fresh & dried), 26.75 acres pluots, 169 acres pomegranates, 65 acres walnuts
- b Includes citron, lime, grapefruit, pomelo and tangelo
- c Tonage is reported as dried tons
- d Includes pluot, plumcot or other interspecific varieties acres; conventional and organic
- e Includes almonds (shells, inedibles), apples (processed), apricots (juice, culls and dried), blackberries, boysenberries, cherries (processed), dates, figs (fresh, dried and substandard), grape raisins (processed and by-products), grape (leaves), grape wine (dried and fresh), guava, jojoba bean, jujubes, kumquats, lemons (processed), loquat, mulberry, olives (oil and canned), other citrus (processed), peach (freestone-processed and cling-fresh), pecans, quince, raspberries and strawberries; ORGANIC: almonds (meats and hulls), apples, apricots, blueberries, figs (dried, substandard), grape, raisin (fresh, dried and crushed), grape wine (crushed), lemons, mandarins, nectarines, orange navel (fresh), other citrus, peaches freestone (fresh, processed), pears, persimmons, pistachios, plums (fresh and dried), pluots, pomegranates (fresh), walnuts

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NURSERY PRODUCTS

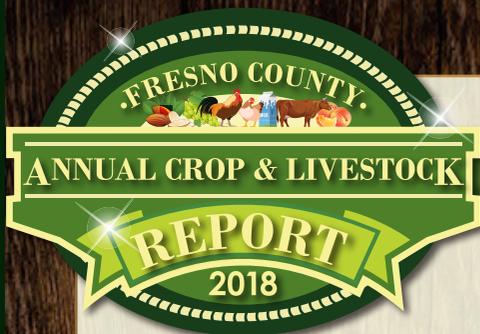
CROP	YEAR	ACRES	QUANTITY	UNIT	VALUE
Herbaceous	2018	2	691,000	b	\$ 5,839,000
Ornamentals ^a	2017	16	4,172,000	b	\$ 4,267,000
Ornamental Trees and Shrubs	2018	81	1,397,000	plants	\$ 12,011,000
	2017	31	1,212,000	plants	\$ 10,846,000
Other ^c	2018	349	398,849,000	units	\$ 33,211,000
	2017	334	257,625,000	unit	\$ 23,134,000
Total	2018	432			\$ 51,061,000
	2017	381			\$ 38,247,000

a Include aquatic plants, potted plants, bedding plants, decorative plants, flats, annuals, perennials, and grasses

b Includes flats, dozens, cans, seedlings and single plants and trees

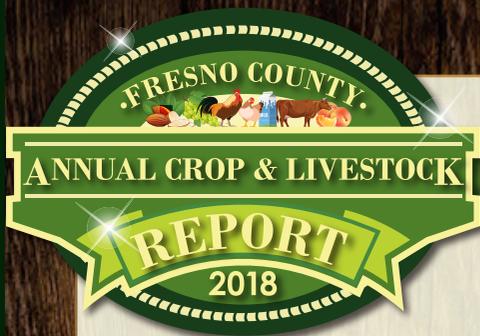
c Includes bareroot fruit trees, Christmas trees, citrus (budwood and trees), grape (rootings and cuttings), trees-restoration stock (seedlings), turf (in square feet), and vegetable transplants and processed





LIVESTOCK AND POULTRY

ITEM	YEAR	PRODUCTION			VALUE	
		NO. OF HEAD	TOTAL LIVELWEIGHT	UNIT	PER UNIT	TOTAL
Cattle and Calves						
Beef						
Breeding Stock						
Common	2018	1,240		head	\$ 1,680.00	\$ 2,083,000
	2017	1,220		head	\$ 2,226.00	\$ 2,716,000
Registered	2018	310		head	\$ 6,418.00	\$ 1,990,000
	2017	310		head	\$ 3,822.00	\$ 1,185,000
Feeders	2018	27,500	141,000	cwt	\$ 125.00	\$ 17,625,000
	2017	27,000	141,000	cwt	\$ 118.00	\$ 16,638,000
Calves	2018	27,500	82,600	cwt	\$ 146.76	\$ 12,122,000
	2017	27,000	81,000	cwt	\$ 145.20	\$ 11,761,000
Slaughter Stock						
	2018	309,000	1,460,000 a	cwt	\$ 117.52	\$ 171,579,000
	2017	317,000	1,443,000 a	cwt	\$ 121.25	\$ 174,964,000
Dairy						
Breeding Stock						
	2018	99,100		head	\$ 1,248.00	\$ 123,677,000
	2017	83,800		head	\$ 1,609.00	\$ 134,834,000
Feeders	2018	60,800	328,000	cwt	\$ 80.52	\$ 26,411,000
	2017	53,100	342,000	cwt	\$ 80.58	\$ 25,222,000
Calves	2018	65,900	198,000	cwt	\$ 48.38	\$ 9,579,000
	2017	100,000	301,000	cwt	\$ 103.61	\$ 31,187,000
Cull Stock	2018	35,200	457,000	cwt	\$ 59.45	\$ 27,169,000
	2017	30,700	400,000	cwt	\$ 63.28	\$ 25,312,000
Cattle and Calves	2018					\$ 392,235,000
Total	2017					\$ 423,819,000

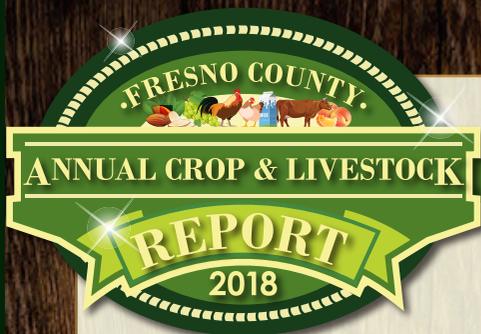


LIVESTOCK AND POULTRY

ITEM	YEAR	PRODUCTION			VALUE	
		NO. OF HEAD	TOTAL LIVEWEIGHT	PER UNIT	UNIT	TOTAL
Hogs and Pigs						
Market Pigs & Slaughter Stock	2018	39,00	96,8000	cwt	\$ 117.24	\$ 11,349,000
	2017	36,700	91,000	cwt	\$ 80.38	\$ 7,315,000
Sheep and Lambs						
Slaughter Stock						
Lambs	2018	71,000	90,900	cwt	\$ 172.00	\$ 15,635,000
	2017	72,500	92,800	cwt	\$ 252.00	\$ 23,386,000
Sheep	2018	8,320	13,300	cwt	\$ 139.46	\$ 1,855,000
	2017	8,500	13,600	cwt	\$ 90.00	\$ 1,224,000
Poultry and Misc. Other ^b	2018					\$ 568,838,000
	2017					\$ 552,252,000
Total	2018					\$ 989,912,000
	2017					\$1,007,996,000

a Net gain

b Includes chickens, ducks, fish, gamebirds (guinea hen, pheasant, pigeon and quail); geese, goats, insects (beneficial); and turkeys



LIVESTOCK AND POULTRY PRODUCTS

ITEM	YEAR	PRODUCTION		VALUE	
		PRODUCTION	UNIT	PER UNIT	TOTAL
Manure^a	2018	1,887,000	ton	9.38	\$ 17,700,000
	2017	2,161,000	ton	4.27	\$ 9,227,000
Milk					
Manufacturing	2018	10,600	cwt	14.18	\$ 150,000
	2017	15,600	cwt	18.46	\$ 288,000
Market ^b	2018	26,956,000	cwt	15.42	\$ 415,662,000
	2017	26,853,000	cwt	16.42	\$ 440,926,000
Milk Total	2018				\$ 415,812,000
	2017				\$ 441,214,000
Other ^c	2018				\$ 29,290,000
	2017				\$ 55,408,000
Total	2018				\$ 462,802,000
	2017				\$ 505,849,000

a Includes cow and poultry manure

b Includes cow milk (conventional and organic) and goat milk

c Includes chicken, duck, and turkey commercial and hatching eggs, and wool

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APIARY PRODUCTS AND POLLINATION SERVICES

ITEM	YEAR	PRODUCTION TOTAL	UNIT	VALUE	
				PER UNIT	TOTAL
Apiary Products					
Honey	2018	3,835,000	lb	4.02	\$ 15,417,000
	2017	3,341,000	lb	2.46	\$ 8,219,000
Beeswax	2018	158,000	lb	3.65	\$ 577,000
	2017	405,000	lb	3.15	\$ 1,276,000
Pollination ^a					
Seed ^b	2018				\$ 827,000
	2017				\$ 993,000
Trees, Fruit and Nut ^c	2018				\$ 100,775,000
	2017				\$ 83,668,000
Melon ^d	2018				\$ 4,317,000
	2017				\$ 1,168,000
Vegetable ^e	2018				\$ 228,000
	2017				\$ 260,000
Total	2018				\$ 122,141,000
	2017				\$ 95,584,000



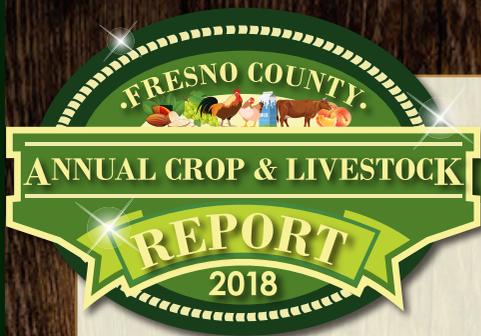
a Reflects value of pollination by all bee colonies located in Fresno County for pollination services during 2018

b Alfalfa, lettuce, and onion

c Almond, apple, blackberry, blueberry, cherry, kiwifruit, pear, plum, pluot, pomegranate and prune

d Cantaloupe, honeydew, watermelons and mixed melons

e Bell pepper, cucumber, chili pepper, pumpkin, and squash



INDUSTRIAL CROPS

CROP	YEAR	PRODUCTION	UNIT	VALUE
Timber ^a	2018	284,826,000	board feet	\$ 2,077,000
	2017	192,413,000	board feet	\$ 3,115,000
Firewood	2018	1,130	cord	\$ 5,790
	2017	1,213	cord	\$ 6,100
Other ^b	2018			\$ 1,814,000
	2017			\$ 2,788,000
Total	2018			\$ 3,896,790
	2017			\$ 5,909,100

a Includes government and non-government properties

b Includes bark, biomass, compost, ground cover, limbs/boughs, mulch, poles, pomace and wood fines



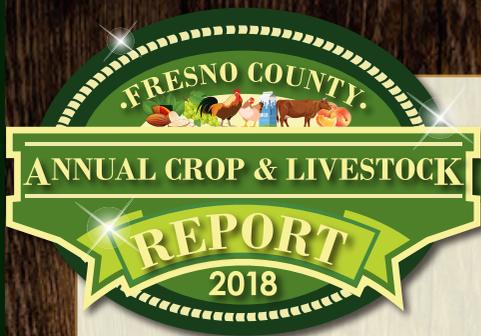
SUSTAINABLE AGRICULTURE

2018 BIOLOGICAL CONTROL ACTIVITIES

PEST	B.C. AGENT/MECHANISM	ACTIVITY
Glassy-winged sharpshooter, <i>Homalodisca vitripennis</i>	- <i>Gonatocerus triguttatus</i> - <i>Gonatocerus morrilli</i> - <i>Gonatocerus morgani</i>	CDFA released parasitoids species and monitored for evidence GWSS egg parasitism

2018 DETECTION ACTIVITIES

INSECT	TRAPS DEPLOYED	RESULTS
European Grapevine Moth, <i>Lobesia botrana</i>	7,605	0
Glassy-winged sharpshooter, <i>Homalodisca vitripennis</i>	3,427	Multiple residential/commercial captures (properties treated)
Asian citrus psyllid, <i>Diaphorina citri</i>	3,136	1 capture
Light brown apple moth, <i>Epiphyas postvittana</i>	701	0
Mediterranean fruit fly, <i>Ceratitis capitata</i>	774	0
Gypsy moth, <i>Lymantria dispar</i>	468	0
Oriental fruit fly, <i>Bactrocera dorsalis</i>	706	0
Melon fruit fly, <i>Bactrocera cucurbitae</i>	346	0
Japanese beetle, <i>Popillia japonica</i>	338	0
Apple maggot, <i>Rhagoletis pomonella</i>	40	0
Western cherry fruit fly, <i>Rhagoletis indifferens</i>	17	0



2018 BIOLOGICAL CONTROL ACTIVITIES

PEST	ACTIVITY	RESULT
Glassy-winged sharpshooter	6,708 - Bulk Citrus Inspections	

2017 PEST ERADICATION / MANAGEMENT ACTIVITIES

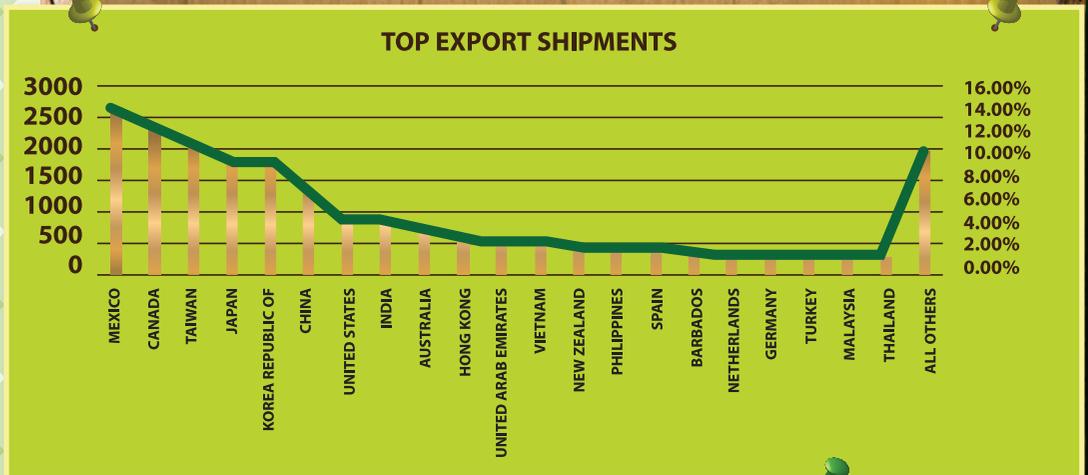
ERADICATION	
Rush Skeletonweed	1670 acres surveyed 715 acres infested 2.25 net acres treated
Pink Bollworm	69,090 cotton acres 0 Plowdown non-compliance
MANAGEMENT	
Perennial Pepperweed	3,735 acres surveyed / 738 acres infested 57.75 net acres treated
Glassy-winged sharpshooter	164 properties treated



Fresno County Exports



In 2018, 17,183 phytosanitary certificates were issued for 172 commodities to markets in 95 countries around the world. In addition, 4,372 acres of export seed fields were inspected and certified during the 2018 crop season.

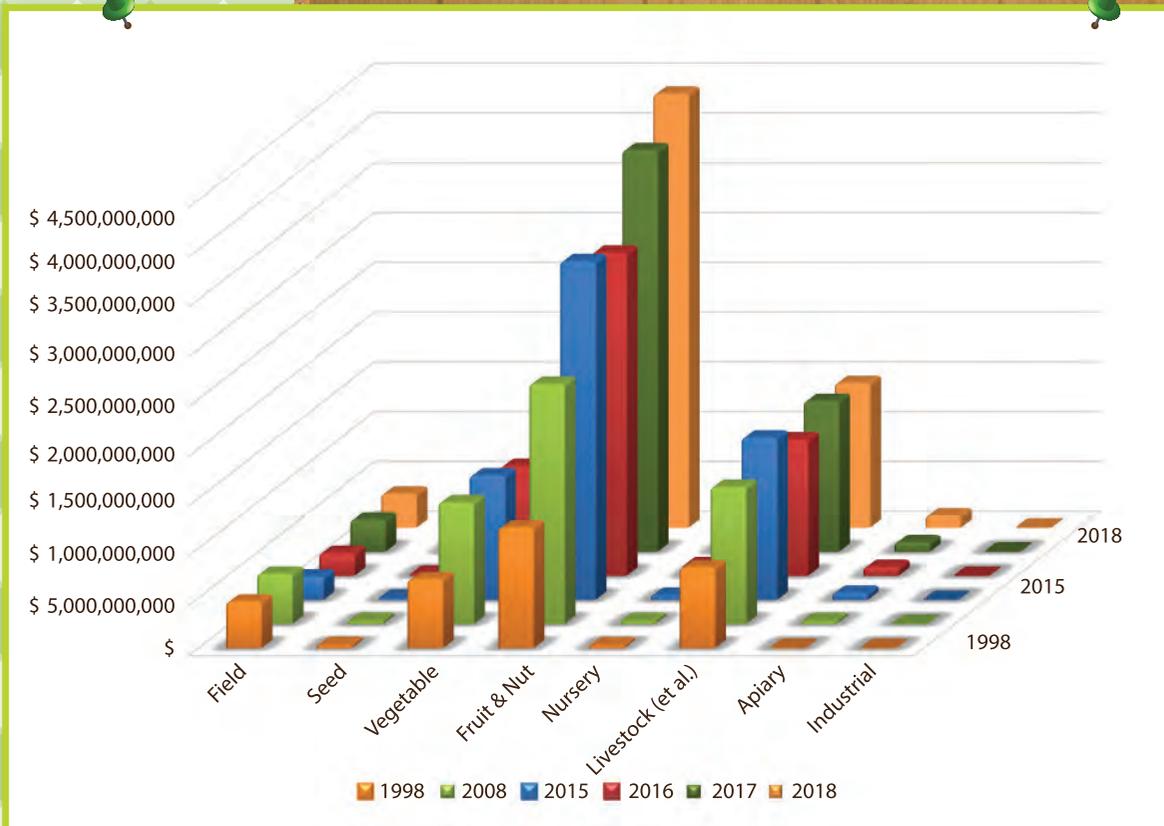


Almonds 19.89% 	All others 16.5% 	Grapes, Raisins 7.5% 	Nectarines 6.1%
Peaches 15.3% 	Oranges 10.63% 	Melons 5.5% 	Plums 5.4%
Grapes 8.3% 	Pomegranates 2.5% 	Walnuts 2.4% 	

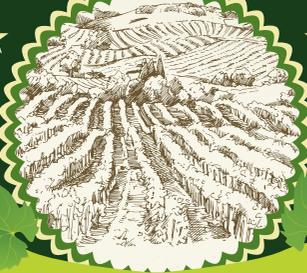


Gross Production by Year

CROPS	1998	2008	2015	2016	2017	2018
Field	\$ 466,556,000	\$ 505,093,000	\$ 235,683,000 *	\$ 230,614,000	\$ 323,047,000	\$ 342,442,000
Seed	\$ 33,202,00 *	\$ 36,066,000	\$ 23,466,000	\$ 21,491,000	\$ 27,765,000	\$ 37,219,000
Vegetable	\$ 691,940,000	\$ 1,223,840,000 *	\$ 1,251,412,000	\$ 1,105,362,000	\$ 990,326,000	\$ 1,520,149,000
Fruit & Nut	\$ 1,211,362,000 *	\$ 2,413,093,000	\$ 3,403,549,000 *	\$ 3,247,839,000	\$ 4,033,301,000	\$ 4,357,961,000
Nursery	\$ 29,575,600	\$ 34,255,000	\$ 46,637,000	\$ 116,186,000	\$ 38,247,000	\$ 51,061,000
Livestock (et. al.)	\$ 809,503,000	\$ 1,377,613,000	\$ 1,631,094,000	\$ 1,371,314,000 *	\$ 1,513,845,000	\$ 1,452,714,000
Apiary	\$ 9,008,000	\$ 33,761,000	\$ 70,745,000	\$ 90,377,900	\$ 95,584,000	\$ 122,141,000
Industrial	\$ 6,566,000 *	\$ 4,188,000	\$ 3,349,000	\$ 4,735,200	\$ 5,909,100	\$ 3,896,790
TOTAL	\$ 3,257,712,600 *	\$ 5,627,909,000 *	\$ 6,665,915,000 *	\$ 6,187,919,100 *	\$ 7,028,024,100	\$ 7,887,583,790
* Revised						



GROWTH



OVER 20 YEARS

FOR FRESNO COUNTY AGRICULTURE

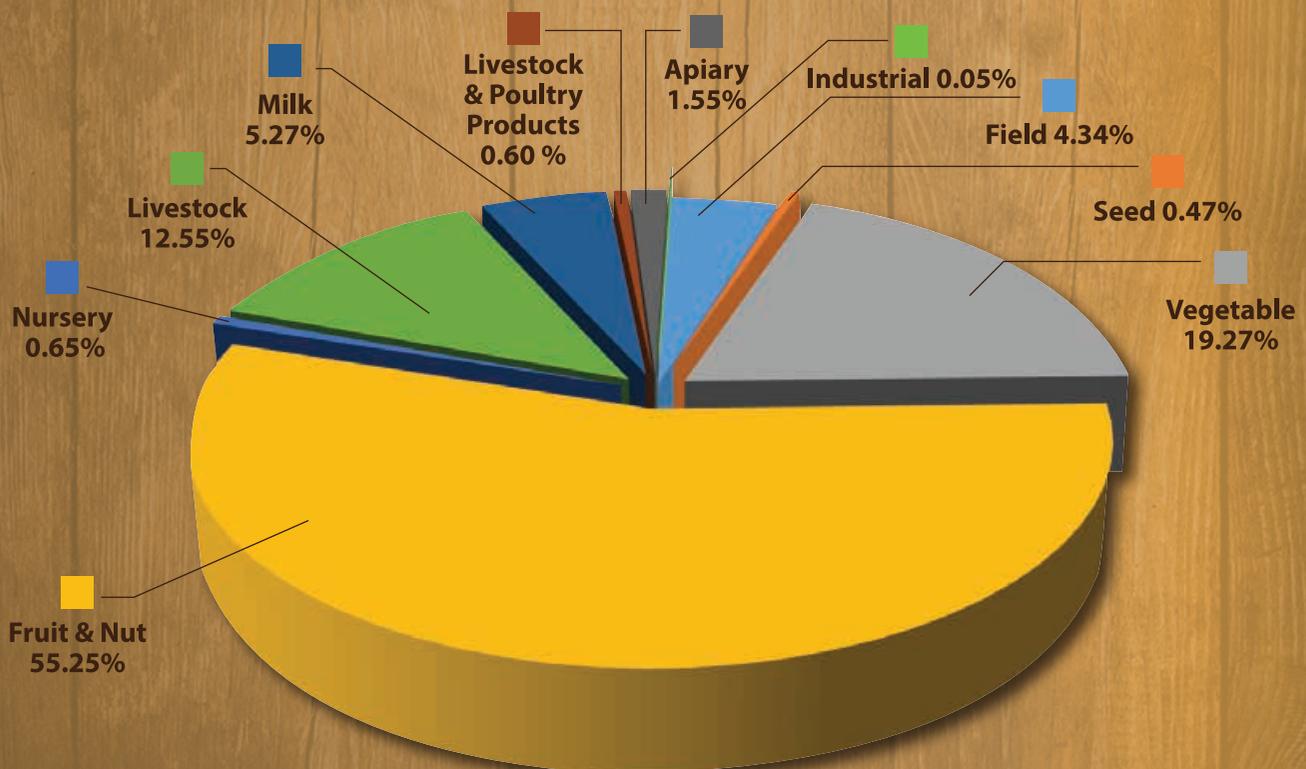
1999 through 2018



**TOTAL
VALUE**

2018 CROPS

**RELATIONSHIP IN TERMS OF TOTAL VALUE
FOR 2018 CROP YEAR
\$7,887,583,790**



*To those that work in acres, not in hours,
WE THANK YOU...JOB WELL DONE!*

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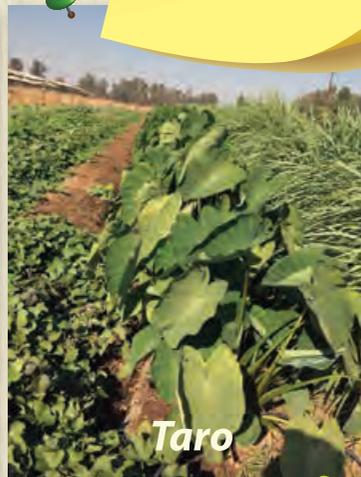
Did you know that these items grow in Fresno County too?



Purple Long Bean



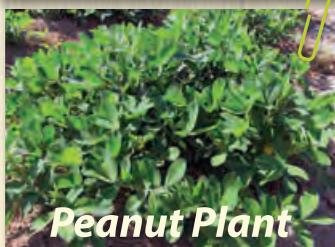
Papaya



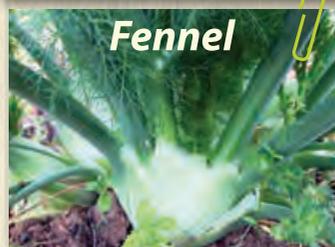
Taro



Peanut Seed



Peanut Plant



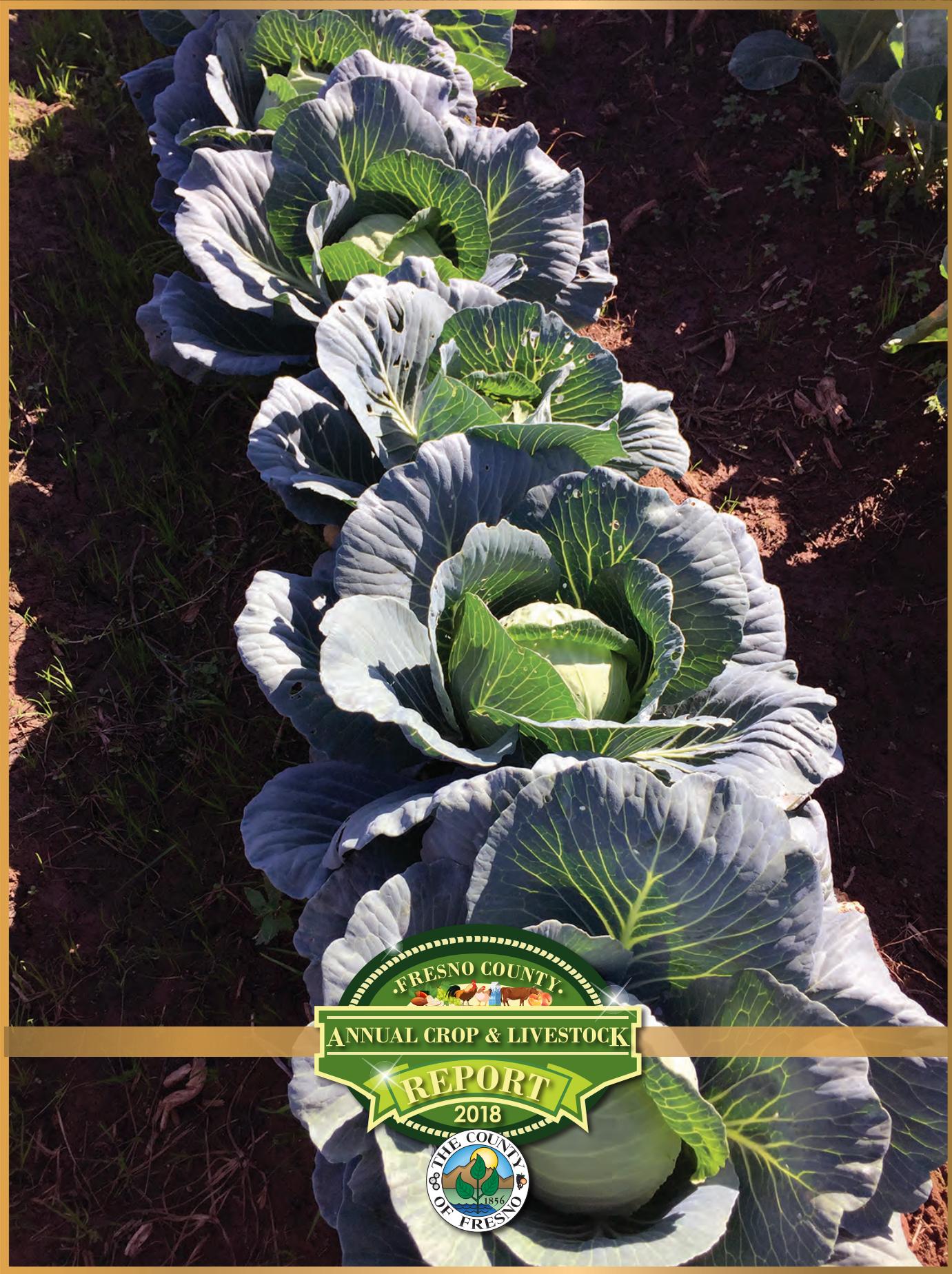
Fennel

We would like to dedicate this report to Deputy Fred Rinder.

Thank you for your hands on support and devoted enthusiasm the past 10 years in producing the Annual Crop & Livestock report. The department would like to thank you for your 40 plus years of dedicated service in all that you do!

Thank you very much Fred!





FRESNO COUNTY



ANNUAL CROP & LIVESTOCK

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