



SACRAMENTO COUNTY

CROP AND LIVESTOCK REPORT



Celebrating Food Production in our Region

AGRICULTURAL COMMISSIONER/SEALER

Chrisandra J. Flores

CHIEF DEPUTY AG COMMISSIONER/SEALER

(Vacant)

DEPUTY AGRICULTURAL COMMISSIONERS

Diana Acosta (Pesticide Use Enforcement)

Parminder Malhi (Weights & Measures Programs)

Kevin Martyn (Agricultural Programs)

Debbie Thompson (Galt Office)

ADMINISTRATIVE SUPPORT

Teresa Adams, Administrative Svcs Officer II

Patricia Kirtley, Senior Account Clerk

Nora Glim, Senior Office Assistant

INSPECTORS/BIOLOGISTS

Rishi Avila, Sr. Ag & Stds Inspector

Prabhjot Brar, Sr. Ag & Stds Inspector

Glorianna Chavez, Ag & Stds Inspector

Mariah de Nijs, Sr. Ag & Stds Inspector (K9 Handler)

Christina Evans, Sr. Ag & Stds Inspector

Joshua Kelley, Ag & Stds Inspector

Michelle King, Sr. Ag & Stds Inspector (K9 Handler)

Randon Krieg, Sr. Ag & Stds Inspector

Breanne Matsuura, Sr. Ag & Stds Inspector

Laura McCready, Sr. Ag & Stds Inspector

Jason Sanguinetti, Sr. Ag & Stds Inspector

Danny Sarracino, Sr. Ag & Stds Inspector (Walnut Grove)

David Smith, Sr. Ag & Stds Inspector

Venkata Vaddella, Ag & Stds Inspector II

Karen Vietheer, Sr. Ag & Stds Inspector (Walnut Grove)

Gerry Zepeda, Sr. Ag & Stds Inspector

SENIOR AG & STANDARDS PROGRAM AIDE

Adrian Ramos

***AG & STANDARDS PROGRAM AIDES**

Natalie Becker, Levi Bell, Fernando Cabe, Linda Conrad, Christopher Egan, Melissa Gatlin, Micah Glim, Nancy Gudeman, Minerva Guzman, Mark Hargreaves, Rickey Hill, Laura Holman, Brett Kendrick, Valerie Klein, Jordyn Luna, Juan Martinez, Vanessa Martinez, Erika Morgan, Kathleen Peralta, Sharon Picton, Lauren Rowton, Joanne Watson

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Sacramento County Department of Agriculture Staff



**Department of Agriculture,
Weights & Measures**
Chrisandra J. Flores
Agricultural Commissioner/Sealer
of Weights & Measures



County Executive
Nav Gill

County of Sacramento

Karen Ross, Secretary
California Department of Food and Agriculture

and

The Honorable Board of Supervisors
Patrick Kennedy District 2, Chair
Phil Serna District 1, Vice Chair
Susan Peters District 3
Sue Frost District 4
Don Nottoli District 5

I am pleased to present the 2018 County of Sacramento Annual Crop and Livestock Report prepared pursuant to Sections 2272 and 2279 of the California Food and Agricultural Code. This report represents estimated acreage, yield, and gross production values of agricultural commodities in Sacramento County.

The 2018 gross production value of Sacramento County's agricultural commodities was \$520,613,000. This represents an overall increase of 5% from the 2017 gross production value of \$495,756,000. Wine grapes, once again, took the lead as the number one commodity in Sacramento County. Harvested acreage increased by over 1,000 acres and the tonnage increased by 16%, resulting in a gross production value of \$186,777,000; an overall increase of 9.75% over the 2017 value. There are over 30 varieties of wine grapes, grown in the County, on over 36,000 acres. Our harvested wine grapes are sold to home winemakers, small boutique wineries and large production wineries all over the state.

In addition to the production statistics, and based on grower input, this year's report includes information regarding the use destination of many of our agricultural commodities. Additionally, we highlight the Sacramento Region Farm-to-Fork Program, the newly re-established Agricultural Advisory Committee, our Certified Farmers Markets, Pest Exclusion and Pest Detection activities and our departmental Weights and Measures statistics.

I would like to express my appreciation to the agricultural producers, business representatives, and public agencies who supplied the necessary data to produce this report. Without their assistance, this crop report would not be possible. Special recognition for the compilation of the data and production of this report goes to Laura McCready and Kevin Martyn. Thank you!

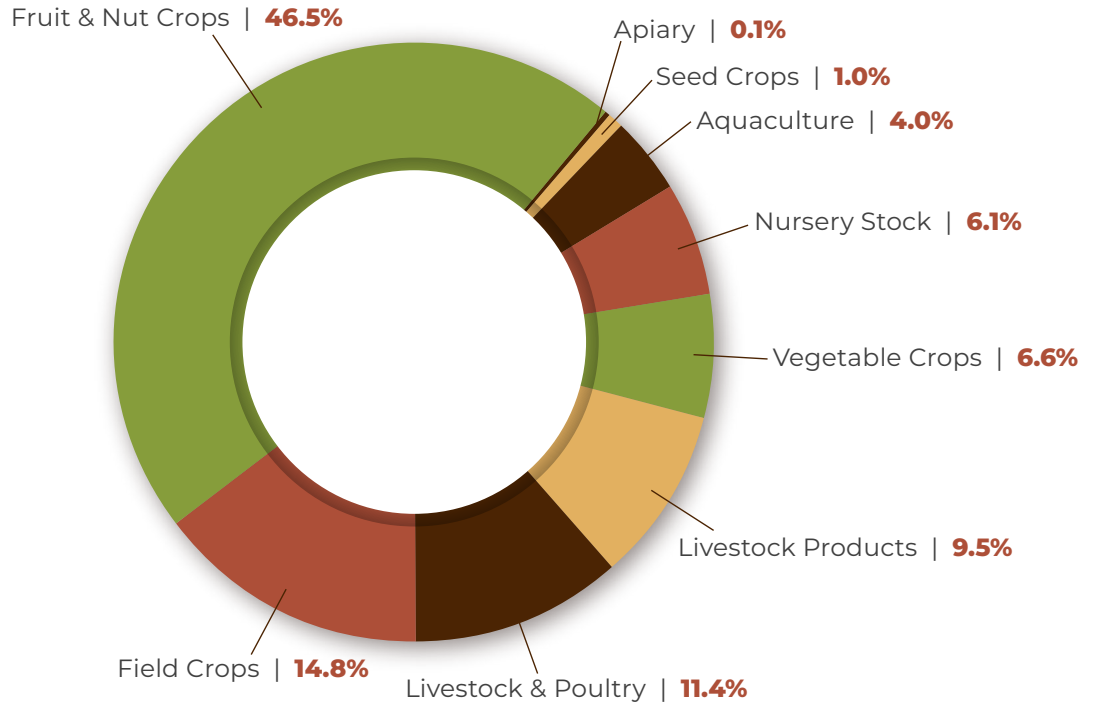
Respectfully Submitted,

A handwritten signature in blue ink that reads "Chrisandra J. Flores".

Chrisandra J. Flores
Agricultural Commissioner/
Sealer of Weights & Measures

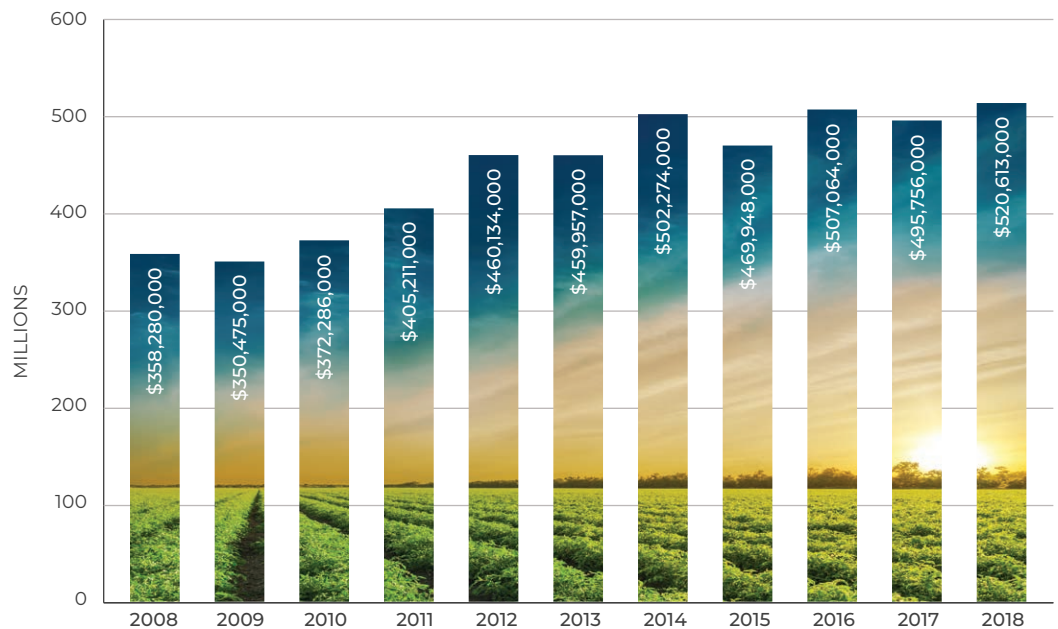
4137 Branch Center Rd., Sacramento, CA 95827
(916) 875-6603 | www.agcomm.saccounty.net

Agriculture Production Summary



Ten Year Summary

The gross value of all agricultural production in Sacramento County in 2018 was over \$520 million! ...up 5% from 2017.



TOP TEN COMMODITIES



1

Grapes, Wine
\$186,777,000



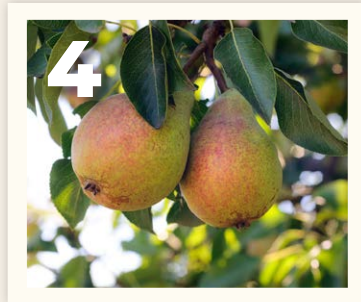
2

Milk (Market)
\$48,278,000



3

Poultry
\$40,469,000



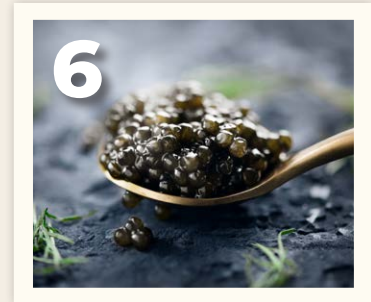
4

Pears
\$37,440,000



5

Nursery Stock
\$31,933,000



6

Aquaculture
\$20,915,000



7

Hay (Alfafa)
\$20,003,000



8

Cattle & Calves
\$18,500,000



9

Rice
\$13,601,000



10

Corn (Field)
\$12,508,000

FIELD CROPS



FIELD CROPS

FIELD CROPS	YEAR	HARVESTED ACRES	PER ACRE YIELD	TOTAL YIELD	UNIT	PRICE PER UNIT	TOTAL VALUE
Corn, Field	2018	18,922	4.6	87,041	Ton	\$143.70	\$12,508,000
	2017	20,073	5.3	106,387	Ton	\$143.00	\$15,213,000
Corn, Silage	2018	9,100	26.6	242,060	Ton	\$30.00	\$7,262,000
	2017	7,721	27.2	210,011	Ton	\$33.70	\$7,077,000
Hay, Alfalfa	2018	16,520	6.3	104,076	Ton	\$192.20	\$20,003,000
	2017	14,622	6.2	90,656	Ton	\$178.60	\$16,191,000
Hay, Oat	2018	2,714	2.7	7,328	Ton	\$110.40	\$809,000
	2017	1,523	2.8	4,264	Ton	\$106.00	\$452,000
Hay, Other (clover, grass, pasture, teff, and wheat hay)	2018	4,967	3.3	16,391	Ton	\$142.20	\$2,331,000
	2017	3,510	2.9	10,179	Ton	\$114.20	\$1,162,000
Oats	2018	1,626	2.5	4,065	Ton	\$117.50	\$478,000
	2017	2,050	2.3	4,715	Ton	\$122.60	\$578,000
Oat Silage	2018	5,593	11.6	64,879	Ton	\$19.30	\$1,252,000
	2017	3,909	11.8	46,126	Ton	\$22.90	\$1,056,000
Misc. Silage or Greenchop	2018	1,375	9.9	13,613	Ton	\$20.00	\$272,000
	2017	1,815	10.5	19,058	Ton	\$17.80	\$339,000
Pasture, Irrigated	2018	16,800			Acre	\$250.00	\$4,200,000
	2017	16,800			Acre	\$250.00	\$4,200,000
Range	2018	57,860			Acre	\$35.00	\$2,025,000
	2017	57,860			Acre	\$35.00	\$2,025,000
Rice	2018	8,812	4.4	38,773	Ton	\$350.80	\$13,601,000
	2017	7,300	4.5	32,850	Ton	\$294.30	\$9,668,000
Ryegrass	2018	4,803	3.0	14,409	Ton	\$130.70	\$1,883,000
	2017	5,105	3.2	16,336	Ton	\$130.40	\$2,130,000
Safflower	2018	4,002	1.0	4,002	Ton	\$419.70	\$1,680,000
	2017	3,601	0.8	2,881	Ton	\$359.30	\$1,035,000
Sorghum Milo	2018	Included in misc. field.			Ton		
	2017	2,010	2.7	5,427	Ton	\$160.00	\$868,000
Triticale	2018	580	2.4	1,392	Ton	\$161.70	\$225,000
	2017	included in misc. field...			Ton		
Wheat	2018	10,938	3.0	32,814	Ton	\$165.30	\$5,424,000
	2017	7,294	2.1	15,317	Ton	\$138.70	\$2,125,000
Misc. Field	2018	3,549	Barley, dry beans, hops, sorghum milo, & sudangrass.				\$3,212,000
	2017	3,446					\$1,655,000
Total	2018	168,161					\$77,165,000
	2017	158,639					\$65,774,000

FRUITS, NUTS, AND VEGETABLES

FRUITS AND NUTS	YEAR	HARVESTED ACREAGE	PER ACRE YIELD	TOTAL YIELD	UNIT	PRICE PER UNIT	TOTAL VALUE
Almonds	2018	413	0.6	248	Ton	\$4,544.30	\$1,127,000
	2017	275	0.4	110	Ton	\$4,700.00	\$517,000
Cherries	2018	1,322	1.7	2,247	Ton	\$3,362.90	\$7,556,000
	2017	1,188	2.9	3,445	Ton	\$3,112.70	\$10,723,000
Grapes, Wine *	2018	36,381	8.8	320,153	Ton	\$583.40	\$186,777,000
	2017	35,293	7.8	275,285	Ton	\$618.20	\$170,181,000
Pears	2018	4,878	16.4	79,999	Ton	\$468.00	\$37,440,000
	2017	5,068	20.5	103,894	Ton	\$403.70	\$41,942,000
Strawberries	2018	76	4.6	350	Ton	\$5,000.00	\$1,750,000
	2017	68	5.3	360	Ton	\$5,394.30	\$1,942,000
Walnuts	2018	1,216	1.4	1,702	Ton	\$1,404.40	\$2,390,000
	2017	1,116	1.1	1,228	Ton	\$1,766.80	\$2,170,000
Miscellaneous	2018	887	Apples, apricots, blackberries, blueberries, chestnuts, citrus, figs, kiwis, melons, nectarines, olives, peaches, persimmons, pistachios, plums, pomegranates, table grapes, and watermelons.				\$5,080,000
	2017	373					\$3,664,000
Total	2018	45,173					\$242,120,000
	2017	43,381					\$231,139,000

* Reported wine varieties grown include: Albarino, Barbera, Cabernet Franc, Cabernet Sauvignon, Chardonnay, Chenin Blanc, Dornfelder, Durif, French Columbard, Gewurtzraminer, Graciano, Grenache, Grenache Blanc, Lagren, Malbec, Merlot, Monastrell, Muscat, Petite Syrah, Petite Verdot, Pinot Noir, Pinot Gris, Primitivo, Sauvignon Blanc, Semillon, Souzao, Syrah, Tannat, Tempranillo, Teroldego, Verdejo, Viogner, White Riesling, and Zinfandel.

VEGETABLES	YEAR	HARVESTED ACREAGE	PER ACRE YIELD	TOTAL YIELD	UNIT	PRICE PER UNIT	TOTAL VALUE
Corn, Sweet	2018	554	5.0	2,770	Ton	\$277.40	\$768,000
	2017	542	4.4	2,385	Ton	\$311.10	\$742,000
Tomatoes, Processed	2018	2,662	44.1	117,394	Ton	\$73.90	\$8,675,000
	2017	3,070	43.1	132,317	Ton	\$72.00	\$9,527,000
Squash	2018	733	12.0	8,796	Ton	\$161.50	\$1,421,000
	2017	551	14.8	8,155	Ton	\$141.10	\$1,151,000
Miscellaneous	2018	4,176	Asparagus, beans, beets, broccoli, carrots, cucumbers, eggplants, gourds, herbs, leafy greens, okra, onions, peas, peppers, potatoes, pumpkins, and tomatoes.				\$23,326,000
	2017	2,342					\$14,037,000
Total	2018	8,125					\$34,190,000
	2017	6,505					\$25,457,000



The Sacramento Region's Farm-to-Fork Program!

Sacramento County, home to over 500 agricultural producers, is also central to the region's Farm-to-Fork Program. This shouldn't come as a surprise. Linking locally produced food crops, year round, with award winning chefs and amazing restaurants is not a stretch.

In 2012, Josh Nelson of the Selland Family Restaurants approached *Visit Sacramento*, a local organization with the responsibility of promoting Sacramento's desirable attributes, with the idea that the region should shine a light on its amazing food and agriculture and share it with the rest of the country.

An idea was born and soon after, former Sacramento Mayor Kevin Johnson declared the region America's Farm-to-Fork Capital. Today, *Visit Sacramento's* Farm-to-Fork Program highlights farms, restaurants, organizations and individuals that contribute to the agricultural landscape and local culinary scene. The organization hosts events and festivities, throughout the year, including the very popular annual September Farm-to-Fork Celebration, showcasing the regions food and agriculture.

We're proud to be a part of this movement and honor our County food producers and the invaluable role they have in providing fresh, healthy food to our residents and the world. To learn more about *Visit Sacramento's* Farm-to-Fork events, visit farmtofork.com.



Senior Ag Inspectors, David Smith and Christina Evans, visit with an attendee of the 2018 Farm-to-Fork Festival



A Visit Sacramento Brand

Sacramento County Agricultural Advisory Committee



*Agricultural Advisory Committee Members (left to right): Michael Wackman, Brian Fishback, Doug Dransfield, Steve Campbell, Jim Vietheer, Charlotte Mitchell and Ken Oneto.
Not Pictured: Brad van Loben Sels and Morgan Doran*

MEMBERS

of the Agricultural Advisory Committee serve a four year term and represent many facets of agriculture as well as agricultural economics and rural residents. The current membership of the Committee is as follows:

Ken Oneto (Chair)
Orchards, Vineyards,
Row Crops

**Steve Campbell
(Vice-Chair)**
HOA Representative

Brian Fishback
Commercial Bee Keeping

Doug Dransfield
Agricultural Economics

Michael Wackman
Natural Resources;
Wineries

Charlotte Mitchell
Natural Resources; Poultry

Jim Vietheer
Livestock

Brad van Loben Sels
Farm Management

Morgan Doran
UC Cooperative Extension



The Agricultural Advisory Committee: A Newly Re-established Voice for Agriculture

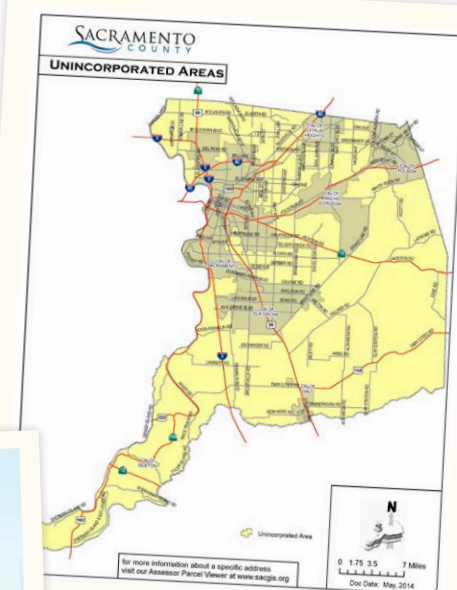
These days, Sacramento County has another proponent for the agricultural industry. It is the Sacramento County Agricultural Advisory Committee; based out of the County Agricultural Commissioner's Office. The Committee was originally created in 1989 to address complaints related to urban/agricultural interface issues and the Sacramento County Right to Farm Ordinance. The Committee met for a number of years but was never really used to its full potential and eventually was disseminated in 2005. In 2011, a County ordinance expanded the duties of the Agricultural Advisory Committee to 1) provide assistance and guidance in the implementation of the Sacramento General Plan, including by not limited to, the Agricultural Element; 2) provide recommendations to the Board of Supervisors regarding land use modifications that may impact agricultural operations in the County; 3) provide input on applications for Williamson Act Contracts; 4) provide input on administration of Williamson Act Contracts, including compliance issues; and 5) provide recommendations to the Agricultural Commissioner in regard to Right to Farm complaints and acceptable farming practices. The Sacramento County Farm Bureau was consulted in the creation of this ordinance expanding the duties and the revitalization of the Committee.

Meetings are held bimonthly at the Agricultural Commissioner's Office and the public is encouraged to attend. The first meeting of the reconstituted Agricultural Advisory Committee was held on December 7, 2017. During one of their very first meetings, the Committee addressed a very significant issue to agricultural producers in the Pierson District (Delta area) of Sacramento County regarding placing a "condition of use" on specific types of herbicide applications during a portion of the year. They heard public comment from pesticide applicators and farmers and made a recommendation to the Agricultural Commissioner who ultimately made the final decision. At their May 2018 meeting they addressed an agricultural/urban interface issue regarding a 4-H swine project in Citrus Heights. After hearing public testimony, they drafted a recommendation that was forwarded to the Sacramento County Planning and Environmental Review Department.

Information about upcoming meetings can be found on the Agricultural Commissioner's Website at: <http://www.agcomm.saccounty.net> The Agricultural Advisory Committee members are dedicated to the agricultural industry in Sacramento County. If you know one of the members listed above, please thank them for their service to our agricultural community!

Meeting Information

The months of the scheduled meetings are as follows; January, March, May, July, September and November. The meetings are held at the office of the Agricultural Commissioner; 4137 Branch Center Road, Sacramento, at 6:30 PM and are open to the public.





2019 Certified Farmers Markets

Monday

Kaiser Permanente, Point West
1650 Response Road, Sacramento
Monday, 9:30 - 2pm
Year Round

Tuesday

Fremont Park CFM
15th and P Street, Sacramento
Tuesday, 10am - 1:30pm,
May - September

Roosevelt Park CFM
940 P Street, Sacramento
Tuesday, 10am - 1:30pm
May - September

Wednesday

Chavez Plaza CFM
950 J St, Sacramento
Wednesday, 10am - 1:30pm
May - October

UC Davis Med Center
4610 X Street, Sacramento
Wednesday, 3pm - 7pm
May - November

Thursday

Capital Mall CFM
600 Capital Mall, Sacramento
Thursday, 10am - 1:30pm
May - September

Florin Sears CFM
5901 Florin Rd, Sacramento
Thursday, 8am - 12pm
year round

Goethe Loop Farmers Market
10060 Goethe Road, Sacramento
Thursday, 8am - 12:00pm
June - Oct

Orangevale Farmers Market
9295 Greenback Ln, Orangevale
Thursday, 4pm - 8pm
May - September

Sutter Medical Center
2825 Capital Avenue, Sacramento
Thursday, 4pm - 7:30pm
Year Round

Friday

Kaiser Permanente, Morse Ave
2025 Morse Ave, Sacramento
Friday, 9:30am - 2pm
Year Round

Valley Mack Farmers Market
6700 Mack Rd, Sacramento
Friday, 8:30am - 1:30pm
June - September

Dignity Health Mercy General
4001 J Street, Sacramento
Friday, 9:30am - 2:00pm
Year Round

Saturday

Natomas Regional Park
2501 New Market Dr, Sacramento
Saturday, 4pm - 7pm
May - August

Country Club Plaza CFM
2400 Butano Dr, Sacramento
Saturday, 8am - 12pm
Year Round

Historic Folsom Farmers Market
915 Sutter St, Folsom
Saturday, 8am - 1pm
Year Round

Laguna Gateway CFM
8245 Laguna Blvd, Elk Grove
Saturday, 8am - 12pm
Year Round

Midtown Farmers Market
20th St between J & K St, Sacramento
Saturday, 8am - 1pm
Year Round

Oak Park Farmers Market
3500 5th Ave, Sacramento
Saturday, 9am - 1pm
May - October

Sunrise Light Rail CFM
11164 Folsom Blvd, Rancho Cordova
Saturday, 8am - 12pm
Year Round

Sunrise Mall Farmers Market
6196 Sunrise Blvd, Citrus Heights
Saturday, 8am - 1pm
Year Round

Sunday

Carmichael Park Farmers Market
5750 Grant Ave, Carmichael
Sunday, 9am - 2pm
Year Round

Central CFM
800 W St, Sacramento
Sunday, 8am - 12pm
Year Round

APIARY, AQUACULTURE, NURSERY STOCK & SEED PRODUCTION

YEAR	APIARY	TOTAL VALUE
2018	Honey and pollination.	\$234,000
2017	Honey and pollination.	\$274,000



YEAR	AQUACULTURE*	TOTAL VALUE
2018	*Bass, catfish, carp, crayfish, sturgeon and caviar.	\$20,915,000
2017		\$20,174,000



NURSERY	YEAR	HARVESTED ACREAGE	PER ACRE YIELD	TOTAL YIELD	UNIT	PRICE PER UNIT	TOTAL VALUE
Nursery Stock	2018	547	Ornamental trees and shrubs, christmas trees, and turf grass.				\$31,933,000
	2017	547					\$32,182,000
Total	2018						\$31,933,000
	2017						\$32,182,000



SEED CROPS	YEAR	HARVESTED ACREAGE	PER ACRE YIELD	TOTAL YIELD	UNIT	PRICE PER UNIT	TOTAL VALUE
Clover	2018	included in miscellaneous			LB		
	2017	688	360	247,700	LB	2.15	\$533,000
Sudan	2018	included in miscellaneous			LB		
	2017	742	2,840	2,107,300	LB	0.40	\$843,000
Misc.	2018	2,667	Clover, cucumber, oat, onion, sorghum, squash, sudan, sunflower, and watermelon.				\$5,431,000
	2017	747					\$1,809,000
Total	2018	2,667					\$5,431,000
	2017	2,177					\$3,185,000



LIVESTOCK & POULTRY

LIVESTOCK AND POULTRY	YEAR	NO. OF HEAD	LIVEWEIGHT	UNIT	PRICE PER UNIT	TOTAL VALUE
Cattle & Calves	2018	29,591	166,859	CWT	\$110.87	\$18,500,000
	2017	28,097	170,919	CWT	\$120.05	\$20,519,000
Poultry	2018	Chickens and turkeys.				\$40,469,000
	2017					\$43,472,000
Livestock, Other	2018	Goats, hogs, and sheep.				\$341,000
	2017					\$333,000
Total	2018					\$59,310,000
	2017					\$64,324,000

LIVESTOCK PRODUCTS	YEAR	PRODUCTION	UNIT	PRICE PER UNIT	TOTAL VALUE
Milk *	2018	3,114,736	CWT	\$15.50	\$48,278,000
	2017	3,139,425	CWT	\$16.63	\$52,213,000
Miscellaneous	2018	Poultry manure and wool.			\$1,037,000
	2017				\$1,075,000
Total	2018				\$49,315,000
	2017				\$53,288,000

* Due to a change in statistical reports, manufactured milk production data will no longer be reported separately.



Where Do Our Crops Go?

Alfalfa

- » Shipped out of County
- » Sold to local dairies
- » Kept on-site for dairy cattle

Apiary

- » Used for pollen, honey, and pollination of crops

Apples

- » Used for fresh market and cider

Aquaculture

- » Farm-raised sturgeon (meat and caviar), bass, carp, catfish, and crayfish

Beans

- » Used dried and succulent for fresh market

Berries

- » Sold directly to consumers via roadside stands

Carrots

- » Grown for fresh market

Cherry

- » Exported and sold locally

Corn

- » Grown for silage, seed, grain, ethanol, and corn syrup

Cucumbers

- » Shipped out of county for pickling

Dairy

- » Milk from our dairy is sold for fluid milk, and manufactured goods (cheese, ice cream, etc.)

Grape, Wine

- » Sold to home winemakers, small boutique wineries, large production wineries

Hay

- » Sold to local cattle, sheep and goat ranchers

Hops

- » Sold to local microbreweries

Oats

- » Sold for seed, hay, grain, and silage

Onion

- » Grown for seed

Pear

- » Used for the fresh market, canning/processing, juice, hard cider and baby food

Peppers

- » Grown for the fresh market

Potatoes

- » Sold for potato chips

Pumpkin

- » Grown for the fresh market
- » On-farm sales through pumpkin patches

Rice

- » Sent out of County to be milled

Ryegrass

- » Grown for hay

Safflower

- » Grown for safflower oil

Strawberry

- » Sold directly to consumers via roadside stands

Sudan

- » Grown for hay and seed

Sunflower

- » Used for confection and seed

Tomato

- » Grown mostly for processing, with some grown for the fresh market

Vine Crops (melons, squash, cucumbers)

- » Grown for seed

Watermelon

- » Grown for fresh market

Wheat

- » Sold for grain and hay

In addition to the specific commodities listed above, the crops grown in Sacramento County are sold directly to the consumers at Certified Farmers Markets, farmstands, restaurants, through CSA's (Community Supported Agriculture), and direct sales to wholesale and retail locations.



PEST DETECTION

2018 Oriental Fruit Fly Activities



Every year the Sacramento County Department of Agriculture traps for economically and ecologically damaging insects. In July 2018 this early warning system exposed the presence of an exotic and invasive pest known as the Oriental Fruit Fly. The Oriental Fruit Fly attacks over 230 crops including citrus and other fruits, nuts, vegetables and berries. Due to its short reproductive cycle and lack of natural predators, the fly can become established very quickly. A heavy infestation can cause total loss of crops resulting in direct economic losses, loss of revenue due to export restrictions and increased pesticide use by commercial and residential growers in efforts to control this pest.

Due to its short reproductive cycle and lack of natural predators, the fly can become established very quickly.

In total, 1 female and 15 male Oriental Fruit Flies were found in South Sacramento, triggering delimitation trapping, larval survey, treatment, and a quarantine of 123 square miles. Sacramento County and the California Department of Food and Agriculture partnered to quickly react to the infestation. A one-mile core area

Photo Courtesy of Martin Hauser; California Department of Food and Agriculture



PEST DETECTION

around each fly location was intensely trapped and 548 traps were deployed in a 99 square mile delimitation area with weekly servicing's. Male Attractant Treatment (MAT) bait stations were applied to a nine square mile area around each detection site using an organic ingredient called Spinosad. The same product was used in a foliar bait spray, with property owner permissions, in host trees within 200 meters of each detection site.

Unfortunately, the concentration of flies exceeded the United States Department of Agriculture's threshold for a quarantine response. Over 2,500 compliance agreements were issued to establishments that grow, transport, and sell host commodities, placing restrictions to avoid accidental spread of the pest. Sacramento County crops, threatened by the establishment of this pest, include citrus, apples, apricots, bell peppers, figs, grapes, melons, nectarines, pears, persimmon, plums, pomegranates, tomatoes and walnuts, to name a few. Hundreds of growers within the quarantine boundaries were required to treat for one lifecycle of the fly before being able to sell their products.



No other Oriental Fruit Flies were trapped after September 7, 2018.

Trapping continued through three lifecycles of the pest, and there were no further finds.

The quarantine ended in May of 2019.

2018 PEST DETECTION REGULAR TRAP SERVICINGS

(Excludes Delimitation Trapping)

Asian Citrus Psyllid Traps

4,970 servicings in 2018

Champ (rural) – Exotic Fruit Fly Traps

89 servicings in 2018

European Grapevine Moth Traps

12,464 servicings in 2018

Glassy – Winged Sharpshooter Nursery Traps

22,554 servicings in 2018

Gypsy Moth Traps

3,154 servicings in 2018

Japanese Beetle Traps

2,431 servicings in 2018

Light Brown Apple Moth

4,141 servicings in 2018

McPhail – Exotic Fruit Fly Traps

10,277 servicings in 2018

Medfly Traps

12,434 servicings in 2018

Melon Fruit Fly Traps

4,388 servicings in 2018

Oriental Fruit Fly Traps

4,415 servicings in 2018

DELIMITATION TRAPPING

A “delimitation” is a high-density trapping response to an insect find. In addition to the Oriental Fruit Fly quarantine, we had several smaller finds that resulted in delimitations. The following totals combine all delimitation efforts in 2018:

Oriental Fruit Fly Traps

4,241 servicings in 2018

Guava Fruit Fly Traps

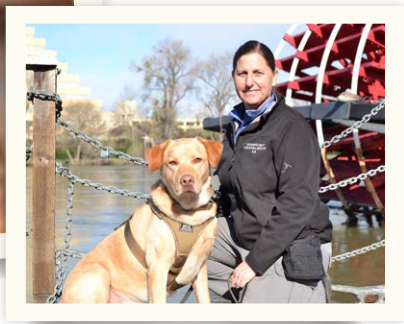
2,138 servicings in 2018

McPhail Traps

1,199 servicings in 2018

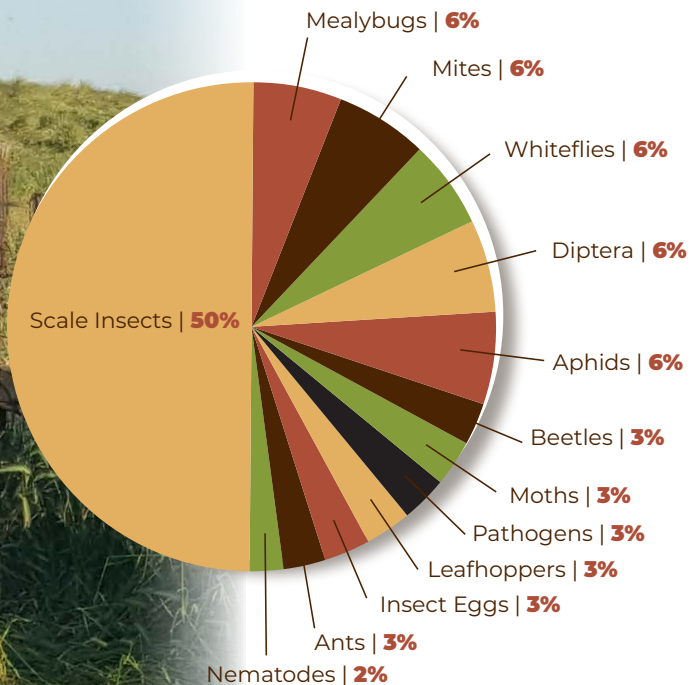
PEST EXCLUSION

Double the Paws to Fill as Dozer and Cairo Retire



Taz and Mariah

34 Total Dog Team Pest Finds in 2018 (Jan-Jun only due to dog retirements)



California agricultural detector dogs defend California's economy by intercepting unmarked packages of plants and plant products that may carry pests and diseases. Sacramento County had the honor of employing the dog "Cairo" and his handler Mariah in 2016. Together, they were one of the state's most effective teams and served the Sacramento area farming community well.

After years of hard work, the dogs, like their human coworkers, eventually come to a point of retirement. Although Cairo was still keen at his job, he was mandatorily retired in 2018 and was adopted by Mariah to live out the rest of his life with love and care as a family dog.

Cairo's career spanned 7 years. In this time, he detected over 25,000 unmarked parcels containing agricultural material. Of those packages, 570 contained live insects, including 160 considered to be serious agricultural threats. In August, the Sacramento County Board of Supervisors honored Cairo and 2017 K9 retiree "Dozer" with a resolution recognizing their "exemplary detection abilities, devotion to duty, focus and unmatched drive, professionalism, and unwavering loyalty and companionship..." We were proud of both of them and they will be missed.

But the threat to agriculture goes on, and dog handler Mariah has since acquired and professionally trained a new K9, "Taz". Taz has already proven himself to be on par with the best K9's in the state, and he will be vigilant for many years defending California's agricultural greatness.

PEST EXCLUSION STATISTICS 2018

Non Dog Team Pest Finds In 2018 (Inspector Only)

of Inspections/# of Pest Finds

Air Freight: 365/69

Truck & Parcel Facilities: 4,032/171

Railroad: 51/0

Intrastate Shipments (GWSS Blue Tags): 1,457/0

Gypsy Moth: 24/0

Weights & Measures

Device Inspection

95% Device Compliance

WEIGHING DEVICES	INSPECTED
Computing/Counter/Hanging Scales.....	2,701
Vehicle Scales.....	145
Dormant/Platform Scales.....	578
Livestock Scales.....	47
Jeweler/Prescription Scales	31
Miscellaneous	33

MEASURING DEVICES	INSPECTED
Retail Fuel Meters.....	11,132
Retail Water Meters	139
Taxi Meters	176
LPG Meters.....	113
Vapor/Water/Electric Submeters	2,490
Miscellaneous	137

Price Verification

17% of inspections had overcharges

Locations Inspected.....	2,114
Products Inspected	34,939

Phytosanitary Program

Top 5 Certified Exports representing over 70 countries

COMMODITY	# OF CERTIFICATES	POUNDS
Almonds	2,982.....	145,500,000
Walnuts.....	686	27,459,000
Pears	57	1,355,000
Hazelnut.....	31.....	1,764,000
Pecans	17	527,000

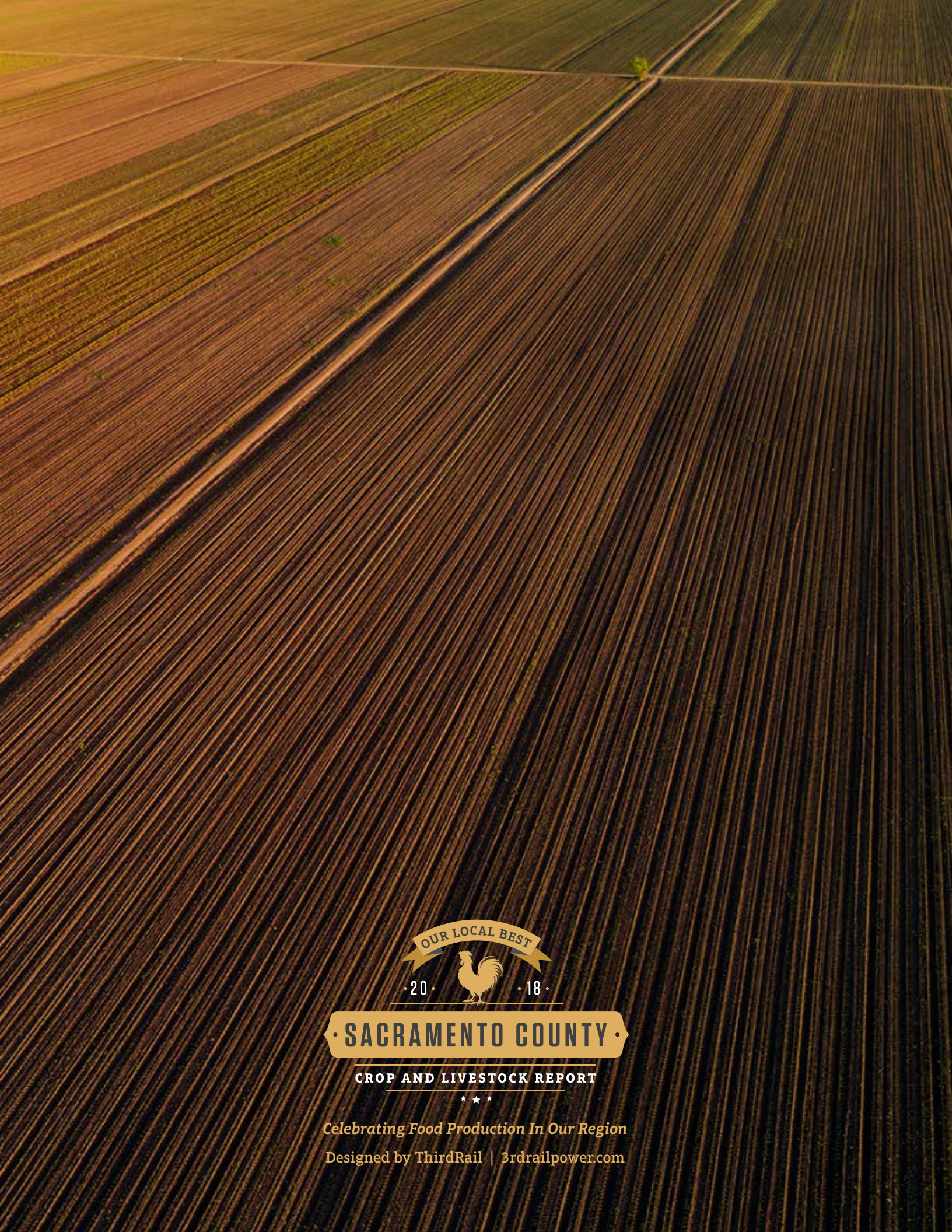


Heavy Capacity Weight Truck

Built in 1991, the heavy capacity weight truck carries twenty-four 1,000 pound weights (standards) and is used to verify the accuracy of vehicle and livestock scales. The truck itself is used as a “rolling standard” where it is driven directly onto a scale and the weight is verified. For hard to reach scales, the truck is equipped with a crane and weight mover, both of which allow the inspector to easily move weights around to a desired location.

The Export Process

Sacramento County is home to processors and packing houses that receive agricultural commodities from not only our own county, but other counties, as well. These commodities must be inspected and “certified” in order to be exported to other countries. Department of Agriculture inspectors are trained by the USDA to inspect product, witness treatments, and officially verify that shipments satisfy the import rules of the destination country. The top 5 exports, to the left, represent those products that were certified by Sacramento County Agricultural Inspectors in 2018, and the vital role our department plays in the export of California’s agricultural commodities.



SACRAMENTO COUNTY

CROP AND LIVESTOCK REPORT

Celebrating Food Production In Our Region

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