



cdfa

**Inspection
Services**

The background of the entire page is a photograph of a sunflower field. In the foreground, several large sunflowers with bright yellow petals and dark brown centers are in full bloom. The field extends into the background, where more sunflowers and some tall, thin evergreen trees are visible under a clear blue sky. A building and a parking lot are partially visible in the distance.

**ANNUAL
REPORT
2021**
(FY 2020-21)



"Never look directly at the sun. Instead, look at the sunflower." — Author Vera Nazarian

The photo on the cover and repeated throughout this annual report is of sunflowers in Three Sisters Gardens in West Sacramento, taken during a farm to school tour. (Below) One photo from each Inspection Services Division branch/office offers a glimpse of the variety of efforts performed by division staff in fiscal year 2020-21.



Direct Marketing Inspector Dominic Hickman, left, and State Organic Program Special Investigator Leslie Fernandez collaboratively inspect a Certified Farmers' Market in San Bernardino County.



Safe Animal Feed Education (SAFE) Senior Environmental Scientist Samantha Moran-Defty evaluates a UC Davis research trial for feeding livestock with hemp.



Center for Analytical Chemistry (CAC) Scientific Aid Jeremiah Roberts prepares wine grape samples to be analyzed by CAC's state-of-the-art equipment for the presence of smoke taint. CAC helped answer a need in the wine grape industry by quickly developing this process in response to summer 2020 wildfires.



California First Partner Jennifer Siebel Newsom (center) and CDFA Secretary Karen Ross (right) visit Three Sisters Gardens in West Sacramento to learn about the benefit of farm to school programs for urban farms.

Suggested citation:

California Department of Food and Agriculture. *CDFA Division of Inspection Services Annual Report 2021 (FY 2020-21)*. Sacramento, California, 2021.

Publication layout and design by Joshua W. Bingham, Public Information Officer II, Admin Unit.



California Department of Food and Agriculture
Division of Inspection Services
1220 N Street
Sacramento, CA 95814
Phone: (916) 900-5020
Email: inspection_services@cdfa.ca.gov
<https://www.cdfa.ca.gov/is/>

TABLE OF CONTENTS

DELIVERING THE CDFA MISSION	1
Division Director’s Message	1
DIVISION OVERVIEW	2
Branches, Office & Programs	2
Boards & Committees	3
FISCAL YEAR 2020-21 SUMMARY	5
Division Expenditures	5
Division Expenditures Breakdown	5
Disbursement of Funds Percentage	6
Percentage of Inspection & Compliance Expenditures in County Contracts	6
MISSION, VISION, GOALS	7
CDFA Strategic Plan Goals	7
California Agricultural Vision	8
Inspection Services Mission	9
Inspection Services Vision	9
Inspection Services “True North”	10
CDFA GOAL 1: PROMOTE AND PROTECT	11
CDFA GOAL 2: MAXIMIZE RESOURCES	15
CDFA GOAL 3: ENGAGEMENT & EDUCATION	19
CDFA GOAL 4: CUSTOMER SERVICE	23
CDFA GOAL 5: EMPLOYEE DEVELOPMENT	27
ACKNOWLEDGMENTS	31
Retirements	31
Contributing Individuals	32

DELIVERING THE CDFA MISSION

DIVISION DIRECTOR'S MESSAGE



Here in the California Department of Food and Agriculture (CDFA) Inspection Services Division (ISD), we serve a broad Mission (*printed on p. 9*) and a large portion of our funding to accomplish this Mission is from industry fees. The purpose of this annual report is to display

to the industry and public how funding during fiscal year (FY) 2020-2021 (July 1, 2020—June 30, 2021) was utilized to fulfill our ISD Mission.

At Inspection Services, we inspect fruits, vegetables and nuts to ensure quality, maturity, size, packaging and labeling meet industry quality expectations; we perform food safety inspections and verification audits to ensure good handling and agricultural practices; we help ensure fertilizer, animal feed and livestock drugs are safe and effective, as well as meet the quality and quantity guaranteed by the manufacturer; we conduct chemical analyses in support of food and environmental safety in a state-of-the-art chem-

istry laboratory; and we are committed to helping all Californians access healthy and nutritious California-grown food.

As our work environments changed in the second year of the COVID pandemic, the ISD team stayed true to our duty of promoting and protecting California agriculture. This occurred through collaboration among our team and their branches, with sister state and federal agencies, and with the industry to put our best thinking forward to set a course for years to come.

With the full support of our diverse and bright workforce, it is with great pleasure that I present to you our many accomplishments of FY 2020-21.

With gratitude,

Natalie Krout-Greenberg, Director
Division of Inspection Services

Division of Inspection Services Leadership Team



Natalie Krout-Greenberg

Director, Inspection Services Division

Carla Bocanegra-Sanchez

Assistant Director, Inspection Services Division

Steve Patton

Branch Chief, Inspection and Compliance

Amadou Ba

Branch Chief, Feed, Fertilizer and Livestock Drugs Regulatory Services

Barzin Moradi

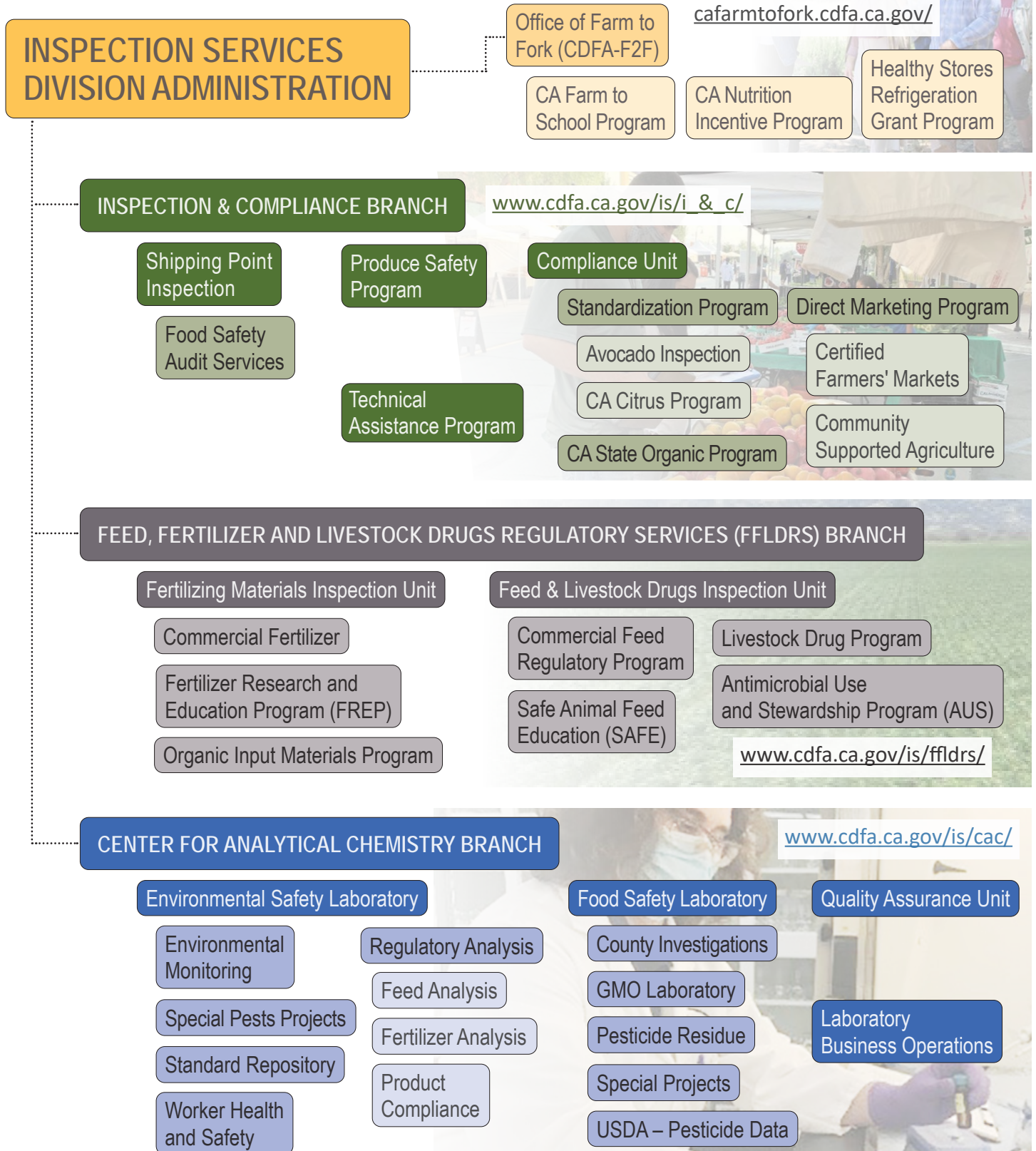
Branch Chief, Center for Analytical Chemistry

Elysia Fong

Research Data Supervisor II, Office of Farm to Fork

DIVISION OVERVIEW

BRANCHES, OFFICE & PROGRAMS



DIVISION OVERVIEW

BOARDS & COMMITTEES

Advisory boards and committees are the **voices of California agriculture**. Members have the opportunity to **make a difference** through **direct involvement in the enforcement and rulemaking** that govern their industry. Advisory committee and board members serve in an advisory capacity to the CDFA Secretary and make recommendations on inspection and enforcement programs, research and education, the annual budget, necessary fees to provide adequate inspection services, and regulations required to accomplish the purposes of the Food and Agricultural Code (FAC).

INSPECTION & COMPLIANCE BRANCH

Avocado Inspection Advisory Committee



- Six voting members: three avocado producers and three avocado handlers.
- Length of term is two years.
- Pursuant to FAC Sections 45011-45021.

Certified Farmers' Market Advisory Committee



- Fourteen voting members: six certified producers, six certified farmers' market operators, one public member and one agricultural commissioner.
- Length of term is two years.
- Pursuant to FAC Sections 47010-47013



California Citrus Advisory Committee



- Twelve voting members: eight citrus producers and four citrus handlers.
- Length of term is two years.
- Pursuant to FAC Sections 48000-48003.

Shipping Point Inspection Advisory Committee (SPI)



- Nine voting members: nine shippers of fruit and vegetables who use the program inspection services.
- Length of term is two years.
- Pursuant to FAC Sections 40571-40577.5.

California Organic Products Advisory Committee (COPAC)



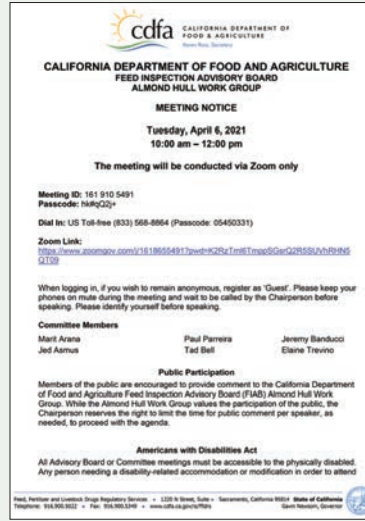
- Fifteen voting members: six producers, two processors, one wholesale distributor, one certifier, one consumer representative, one environmental representative, two technical representatives and one retail representative.
- Length of term is three years.
- Pursuant to FAC Sections 46000-46003.

Standardization Advisory Committee (STDZ)



- Thirteen voting members: six representatives from fresh fruit commodity groups, six representatives from fresh vegetable commodity groups and one representative from any other fresh fruit or vegetable commodity group.
- Length of term is two years.
- Pursuant to FAC Sections 42809-42815.

If interested in serving on a CDFA board or committee, stay tuned for vacancy announcements (www.cdfa.ca.gov/egov/press_releases/press_releases.asp). To view notices, agendas and minutes of Inspection Services Division meetings, visit www.cdfa.ca.gov/is/upload-er/postings/hearings/.



(Left) A Certified Farmers' Market Advisory Committee meeting in February 2020. (Right) During COVID restrictions in FY2020-21, meetings were held virtually, evidenced by the Zoom link on this April 2021 Feed Inspection Advisory Board meeting notice.

FEED, FERTILIZER AND LIVESTOCK DRUGS REGULATORY SERVICES (FFLDRS) BRANCH

Feed Inspection Advisory Board

- Nine industry members (eight board member licensees and one public member).
- Length of term is three years.
- Pursuant to FAC Sections 14971-14979.



Fertilizer Inspection Advisory Board

- Nine industry members (eight board member licensees and one public member).
- Length of term is three years.
- Pursuant to FAC Sections 14581-14586.



Feed Inspection Advisory Board Technical Advisory Subcommittee

- This subcommittee provides technical and scientific advice to the Feed Inspection Advisory Board and CDFA on animal food nutrition, safety and efficacy data review of new and unapproved feed ingredients, research project oversight and other issues that will affect CDFA's Commercial Feed Regulatory Program, Livestock Drug Program and Safe Animal Feed Education (SAFE) Program.



Fertilizer Inspection Advisory Board Technical Advisory Subcommittee

- This subcommittee serves as an expert scientific panel on matters concerning plant nutrition and environmental effects related to fertilizing materials use. It reviews all research and education proposals for the annual Fertilizer Research and Education Program (FREP) Grant Program, and recommends to the Fertilizer Inspection Advisory Board which projects should receive funding.

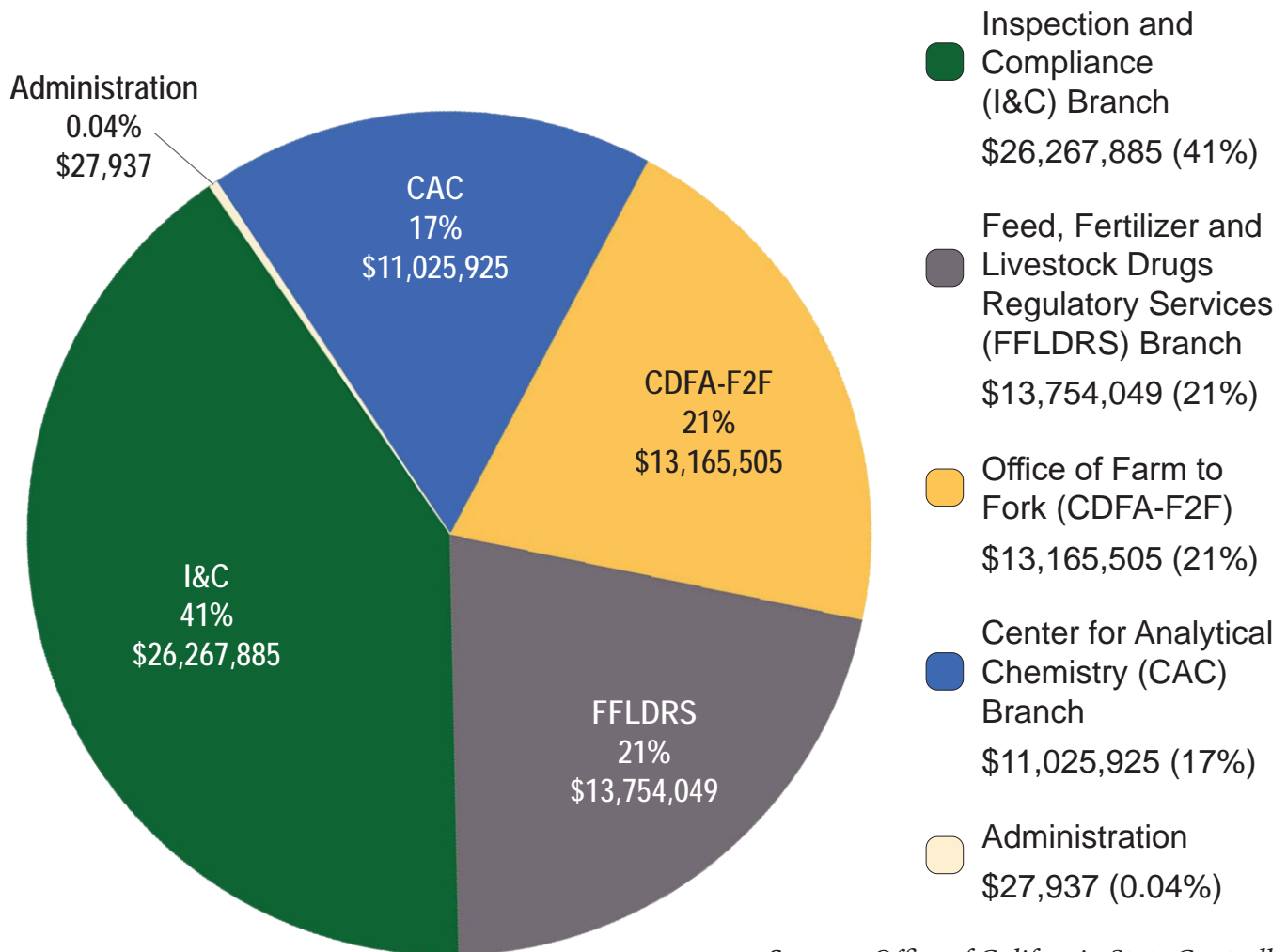


FISCAL YEAR 2020-21 SUMMARY

DIVISION EXPENDITURES

\$64,241,302

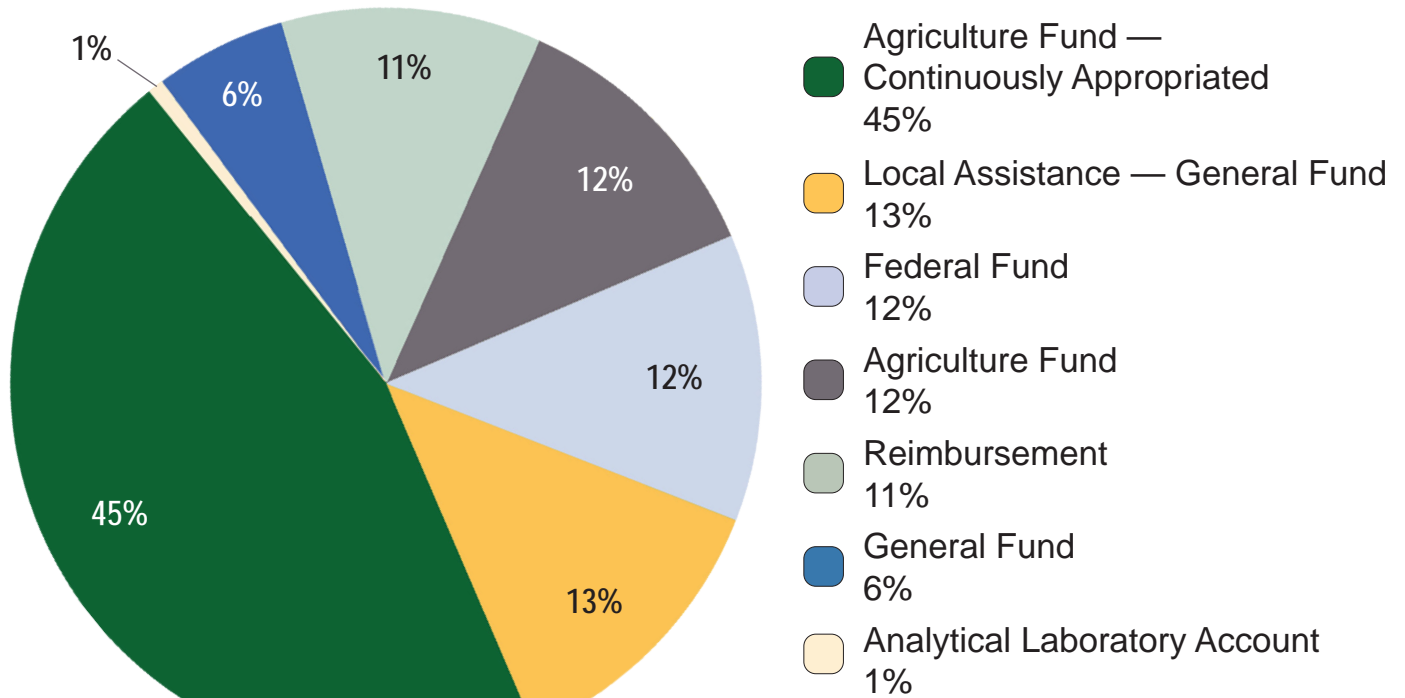
DIVISION EXPENDITURES BREAKDOWN



Source: Office of California State Controller

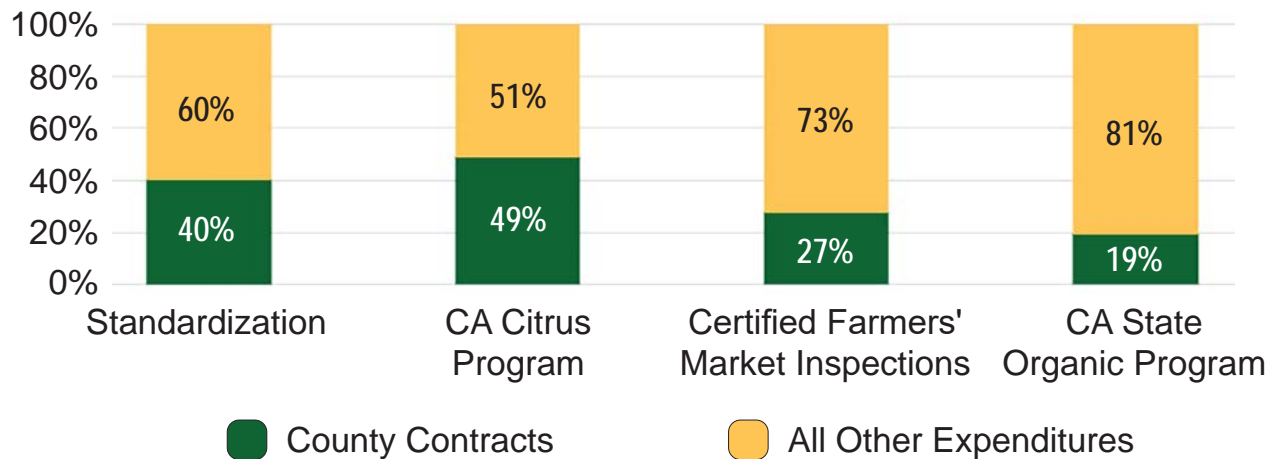


DISBURSEMENT OF FUNDS PERCENTAGE



Source: Office of California State Controller

PERCENTAGE OF INSPECTION & COMPLIANCE EXPENDITURES IN COUNTY CONTRACTS



Source: Office of California State Controller

MISSION, VISION, GOALS

CDFA STRATEGIC PLAN GOALS

- 1 Promote and Protect:** Promote and protect the diverse local and global marketability of the California agricultural brand, which represents superior quality, value and safety
- 2 Maximize Resources:** Optimize resources through collaboration, innovation and process improvements
- 3 Engagement and Education:** Connect rural and urban communities by supporting and participating in educational programs that emphasize a mutual appreciation of the value of diverse food and agricultural production systems
- 4 Customer Service:** Improve regulatory efficiency through proactive coordination with stakeholders
- 5 Invest in Employee Development:** Invest in employee development and succession planning efforts



CALIFORNIA AGRICULTURAL VISION

Purpose Statement

Making California a better place to live because of what we grow and how we grow it.

Vision Statement

Californians take pride in their innovative, thriving California farmers and ranchers for their contributions to a healthy population and planet.

Goals

- 1 Better Health and Well-Being:** Meeting the nutrition and culinary needs of California's diverse population and consumers across the country and around the world
- 2 A Healthier Planet:** Improving the health of the natural resources upon which California and food production depend
- 3 Thriving Communities:** Food production and processing are drivers of sustainable California economic-growth
- 4 Connection Between Farmers and the Consuming Public:** Citizens are agriculture and food literate, understanding and appreciating what it takes to bring food and fiber to market, and the people behind California agriculture
- 5 A Diverse Set of Agriculture Entities are Thriving:** Ensuring agriculture has the land, water, human capital and access to the resources and legislative support it needs to remain profitable and competitive in the 21st century

— Developed by the California State Board of Food & Agriculture

MISSION, VISION, GOALS

INSPECTION SERVICES MISSION

To provide professional services that support and contribute to a safe, abundant and quality food supply; environmentally sound agricultural practices; and an equitable marketplace for California agriculture.

INSPECTION SERVICES VISION

- Create a lasting, thriving division by providing the **workforce** meaningful careers in the delivery of services to our stakeholders
- Pursue state-of-the-art **technology**, equipment, software and training
- Provide open, equitable and transparent **communication** with all stakeholders, internal and external



INSPECTION SERVICES “TRUE NORTH”

“Whether performing daily activities or establishing long-term work goals, ‘True North’ represents the most straightforward direction we should pursue to fulfill our mission.”

— Natalie Krout-Greenberg, ISD Director



ISD
MISSION
& VISION

CDFA
STRATEGIC
PLAN

CALIFORNIA
AGRICULTURAL
VISION

CDFA GOAL 1: PROMOTE AND PROTECT




CDFA's Inspection Service Division **inspects** what our farmers grow to ensure quality, maturity, size, packaging and labeling meet **industry expectations**. We perform food safety inspections and verification audits to **ensure good handling** and agricultural practices that contribute to a **safe food supply**. We help ensure that fertilizer, animal feed and livestock drugs are safe and effective, as well as meet **quality** and **quantity standards**. We **conduct chemical analyses** to support and confirm these requirements.



California State Organic Program and county staff conducted **1,571** inspections, investigated **129** complaints and collected **514** samples for pesticide residue testing.

DIRECT MARKETING

The Direct Marketing Program reported **2,427** Certified Producer Certificates were issued and there was an average of **627** Certified Farmers' Markets operating in California.



The Avocado Inspection Program (AIC) certified **306 million** lbs. of avocados, performed **9,834** size / count tests, **550** maturity tests on California avocados and **127** maturity tests on imported avocados.

AIC assisted with a three-year research project on the Gem avocado variety, performing **2,416** informational maturity tests that will be used to establish the release dates for the Gem variety.



(Pictured) AIC Inspector Horacio Vazquez performs avocado field inspections in San Diego County.

STANDARDIZATION

Standardization and county staff inspected **137,217** lots / **14.2 million** containers of produce through a Standardization cooperative agreement with **18** California counties.



The California Citrus Program oversaw county inspections of **3,372** lots / **3.63 million** containers of Navel oranges and performed **3,415** maturity tests.

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.



While working to help California produce farmers understand how to comply with the federal Food Safety Modernization Act (FSMA) Produce Safety Rule, the Produce Safety Program inspected **175** farms and performed **40** On-Farm Readiness Reviews.

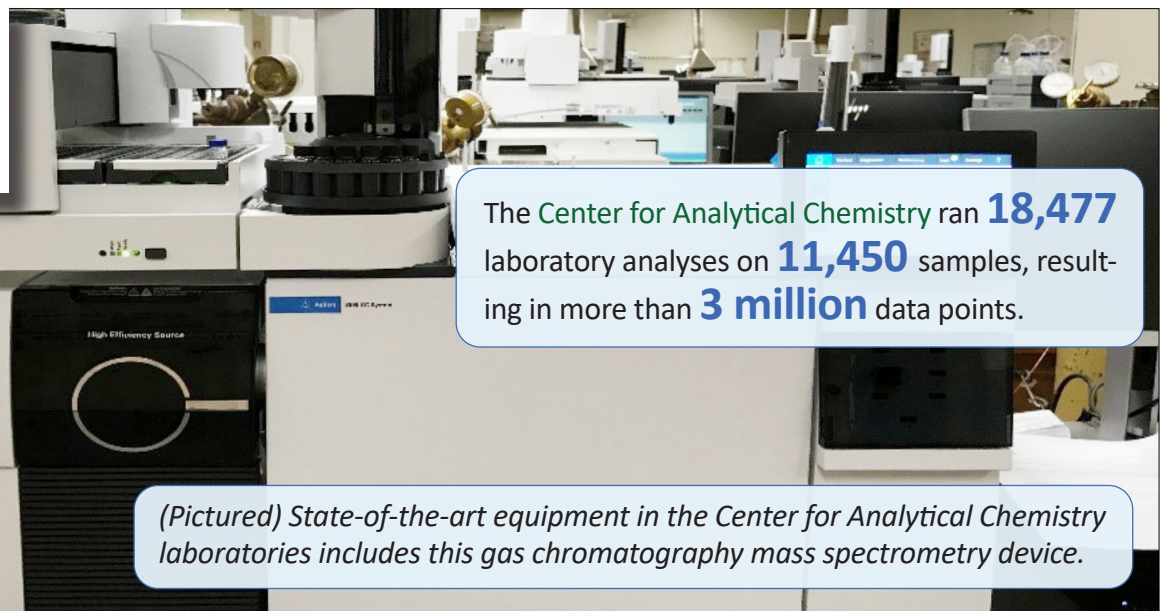


(Pictured) A Produce Safety Program inspection occurs during a strawberry harvest in September 2020.

SHIPPING POINT INSPECTION

The Shipping Point Inspection Program inspected more than **25** types of fresh produce, totaling more than **276,448** lots / **6 billion** lbs. Included were 129,998 lots / 3.97 billion lbs. of almonds, 30,000+ lots / 14.2 million lbs. of table grapes, 78.8 million lbs. of kiwi and 16,000+ lots of tomatoes.

CENTER FOR ANALYTICAL CHEMISTRY



The Center for Analytical Chemistry ran **18,477** laboratory analyses on **11,450** samples, resulting in more than **3 million** data points.

(Pictured) State-of-the-art equipment in the Center for Analytical Chemistry laboratories includes this gas chromatography mass spectrometry device.

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

CDFA GOAL 1: PROMOTE AND PROTECT

LIVESTOCK DRUG PROGRAM The Livestock Drug Program performed **62** Drug Residue Assessments in cooperative agreement with the U.S. Food and Drug Administration to educate producers on the proper use of livestock drugs.

The Commercial Feed Regulatory Program (CFRP) received report of **24.49 million** tons of feed sold in California.



CFRP performed **44** routine California feed inspections and took **718** samples of feed products, including **351** for food safety and **367** for label compliance. The food safety samples included **29** heavy metal screens, **64** mycotoxin screens and **99** medicated feed samples.

FERTILIZING MATERIALS INSPECTION PROGRAM

The Fertilizing Materials Inspection Program (FMIP) reviewed and registered **1,386** organic input material and **4,399** conventional fertilizer labels for **841** in-state licensees and **977** out-of-state licensees.

FMIP received report of **5.45 million** tons of fertilizing materials sold in California.

FMIP obtained **966** fertilizer samples for laboratory analysis from **10** manufacturers, including **563** conventional products and **403** organic input material products.

FMIP investigated and resolved **139** complaints about fertilizer products or manufacturers, including for **63** conventional products and **76** organic input material products.

(Pictured) Special Investigator Justin Petty displays a sampling during an Organic Input Material inspection audit at a worm farm in California's Central Valley.

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

The California Nutrition Incentive Program (CNIP) promoted California agriculture through distributing **\$4.27 million** in incentives available for California-grown fresh produce. At the **285** CNIP grantee locations throughout California, shoppers who utilized CalFresh and Women, Infants and Children (WIC) Farmers' Market Nutrition Program benefits received a dollar-for-dollar

match of CNIP funding for California-grown fruits and vegetables. CNIP encourages the purchase and consumption of healthy, California-grown fresh fruits, vegetables and nuts by nutrition benefit clients.

CALIFORNIA NUTRITION INCENTIVE PROGRAM



CDFA OFFICE OF
FARM to FORK
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE

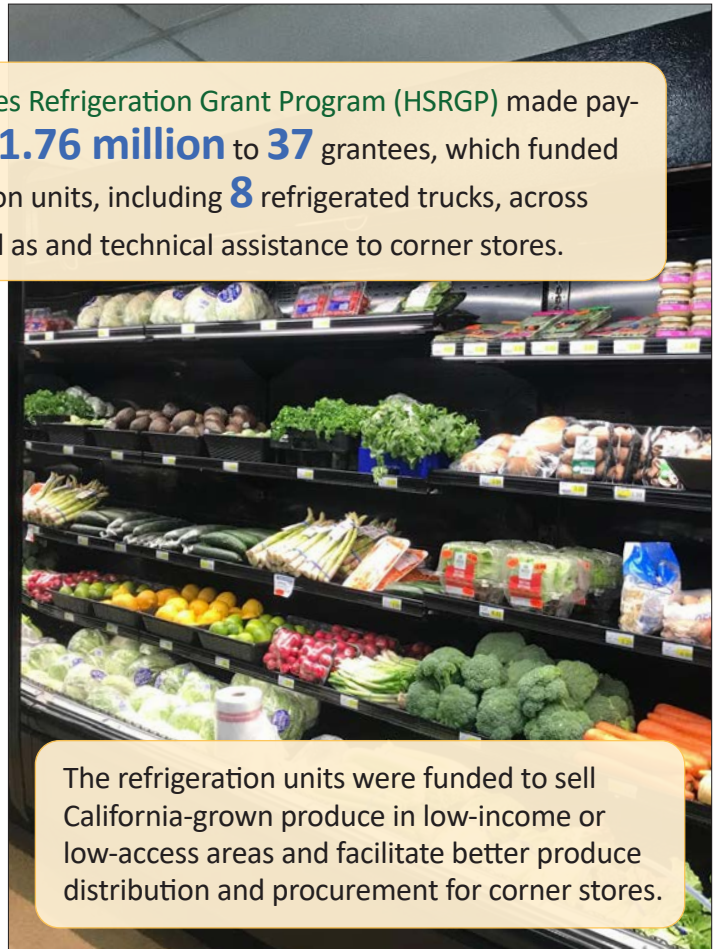


HEALTHY STORES REFRIGERATION GRANT PROGRAM



(Pictured) Refrigeration units at McCloud Market in Siskiyou County funded through HSRGP.

The Healthy Stores Refrigeration Grant Program (HSRGP) made payments totaling **\$1.76 million** to **37** grantees, which funded **137** refrigeration units, including **8** refrigerated trucks, across California, as well as and technical assistance to corner stores.



The refrigeration units were funded to sell California-grown produce in low-income or low-access areas and facilitate better produce distribution and procurement for corner stores.

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

CDFA GOAL 2: MAXIMIZE RESOURCES



The California State Organic Program (SOP) collaborated with California Border Station staff to inspect organic products entering California.

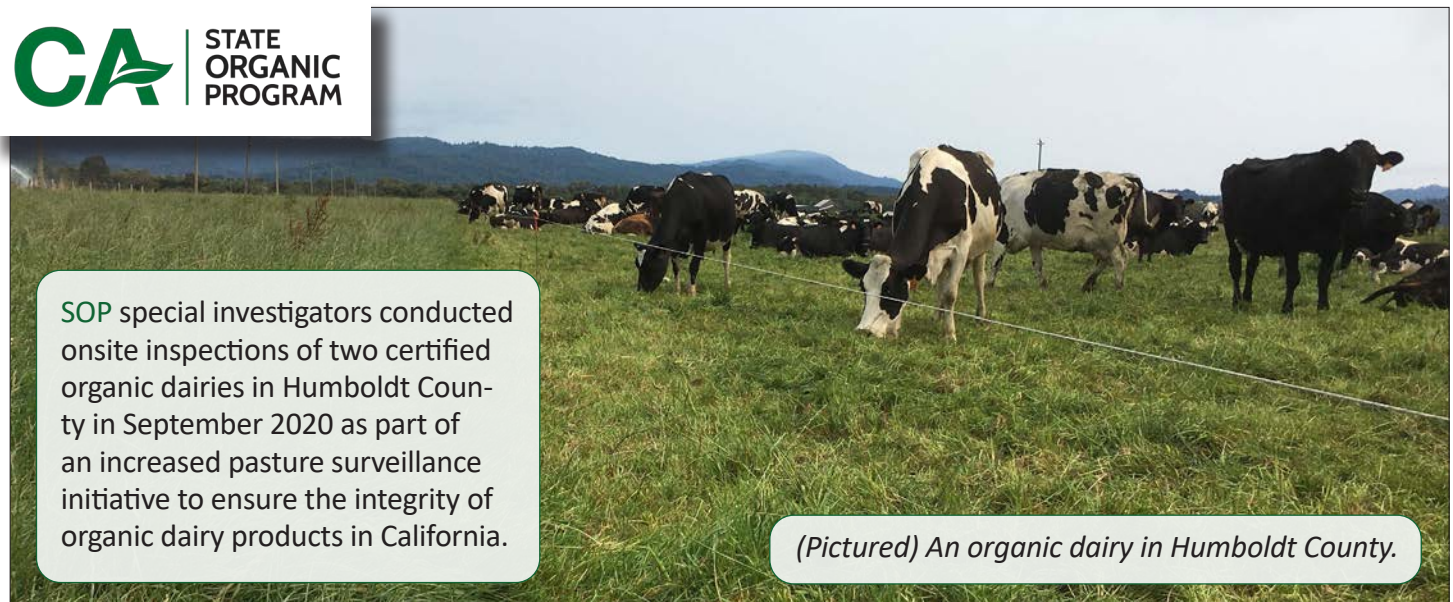
(Pictured) SOP investigators, from right, Leslie Fernandez and Pamela Rodriguez join Needles Border Station employee Steven Hartwick during a joint investigation of organic products on June 22.

DIRECT MARKETING



The Direct Marketing Program and SOP collaborated to inspect organic products together at Certified Farmers' Markets.

(Pictured) Direct Marketing Inspector Dominic Hickman, left, and SOP Special Investigator Leslie Fernandez collaboratively inspect a Certified Farmers' Market in San Bernardino County.



SOP special investigators conducted onsite inspections of two certified organic dairies in Humboldt County in September 2020 as part of an increased pasture surveillance initiative to ensure the integrity of organic dairy products in California.

(Pictured) An organic dairy in Humboldt County.

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

STANDARDIZATION PROGRAM

The **Standardization Program** added Imperial County to the many agricultural commissioner offices with which it contracts to provide additional inspection and enforcement activities. After being trained in **Standardization Inspection Protocol**, Imperial County staff began inspecting cantaloupe and honeydew melon in the fields and at cold storage facilities the week of May 17.



(Pictured) Imperial County inspector David Claverie performs maturity tests in a honeydew melon field in Imperial County. Melons must meet a minimum maturity (soluble solid) requirement to be packed.

CALIFORNIA NUTRITION INCENTIVE PROGRAM (CNIP)

CNIP announced a new round of grantees in August that will utilize CNIP funds to double the amount of fruit and vegetables able to be purchased at participating farmers' markets by shoppers using the Women, Infants, and Children (WIC) Farmers' Market Nutrition Program. The new CNIP grantees located in the San Francisco Bay Area, Los Angeles and Visalia are: The Model Neighborhood Program; Pacific Coast Farmers' Market Association; Sustainable Economic Enterprises of Los Angeles and Hunger Action Los Angeles; and Visalia Farmers' Market Association.

CNIP achieved its goals through collaborating with many stakeholders at the state, federal and local levels.

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

CDFA GOAL 2: MAXIMIZE RESOURCES



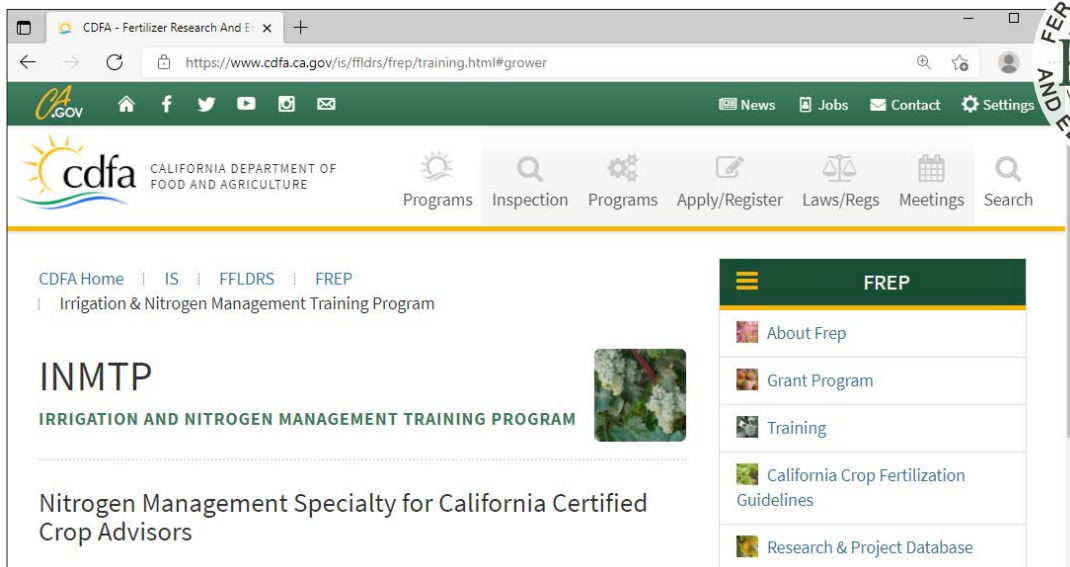
A novel byproduct from the production of cannabidiol (CBD) oil is being researched for livestock feed. To better understand this byproduct, the Safe Animal Feed Education (SAFE) Program supported funding for a hemp byproduct feeding trial conducted at UC Davis.



(Pictured) SAFE Sr. Environmental Scientist Samantha Moran-Defty evaluates a UC Davis research trial for feeding livestock with hemp byproduct.



The Commercial Feed Regulatory Program (CFRP) was awarded a cooperative agreement of **\$525,000** per year over the next five years from the U.S. Food and Drug Administration for maintenance of the Animal Food Regulatory Program Standards (AFRPS) and development and integration of Preventive Controls procedures. The agreement goal is to maintain and enhance California's fully implemented AFRPS while building CFRP's ability to perform regulatory work and promote compliance with the Preventive Controls for Animal Food rule.



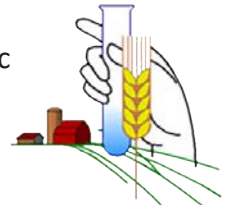
As of March 1, 2021, the Fertilizer Research and Education Program (FREP) assumed full

management responsibility of the Irrigation and Nitrogen Management Training Program for Grower Self-Certification. FREP now manages oversight and administration of the training and exam that helps growers comply with regional water board water quality regulations.

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

CENTER FOR ANALYTICAL CHEMISTRY

The Center for Analytical Chemistry (CAC) developed **13** new scientific methods while satisfying the regulatory and monitoring needs of **30** public agencies.



FOOD SAFETY LABORATORY

The CAC Food Safety (FS) Pesticide Residue Program expanded its CDFA-Multi-Residue Screen method to add **51** more pesticides to the screen. With these new additions, the FS laboratories can now screen, detect and quantify **518** pesticide active ingredients.

ANAHEIM FOOD SAFETY LABORATORY



The last phase of the CAC Anaheim Food Safety Laboratory renovation was finalized in March 2021 resulting in new employee workstations, flooring and painting. The entire facility remodel was a major undertaking. The facility is now updated with current laboratory standards and safety requirements.

REGULATORY ANALYSIS

The CAC Regulatory Analysis group improved the analysis for the method concerning available phosphorus (P) and soluble potassium (K) using ICP-OES (inductively coupled plasma – optical emission spectrometry) equipment.

ENVIRONMENTAL SAFETY LABORATORY

Environmental Safety Laboratory Regulatory Analysis staff significantly improved turnaround times for all samples in 2021 due to the enormous work performed over the previous two years to upgrade instruments and processes.

The Environmental Safety Laboratory developed a capability (*via the equipment pictured on the right*) called Non-Targeted Analysis (NTA) that is gaining increased demand in analytical chemistry laboratories worldwide. NTA provides a method to detect many unknown compounds in a sample without the need to specify a target list prior to instrumental analysis. Data generated by NTA can therefore be reviewed retrospectively to identify virtually any compound of interest that may be present in a sample.



Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

CDFA GOAL 3: ENGAGEMENT & EDUCATION

87 posts on the Inspection Services Division (ISD) Blog:
<https://blogs.cdfa.ca.gov/CDFAInspectionServicesBlog>

Inspection Services Blog

Welcome

This is a blog for the California Department of Food and Agriculture (CDFA) [Inspection Services Division \(ISD\)](#). Read here for the latest news about how ISD is providing Californians professional services that support and contribute to a safe, abundant and quality food supply; environmentally sound agricultural practices; and an equitable marketplace for California agriculture.

289 ISD social media posts.

Twitter [@CDFA_ISD](#)

#1 Twitter post with **60,749** impressions

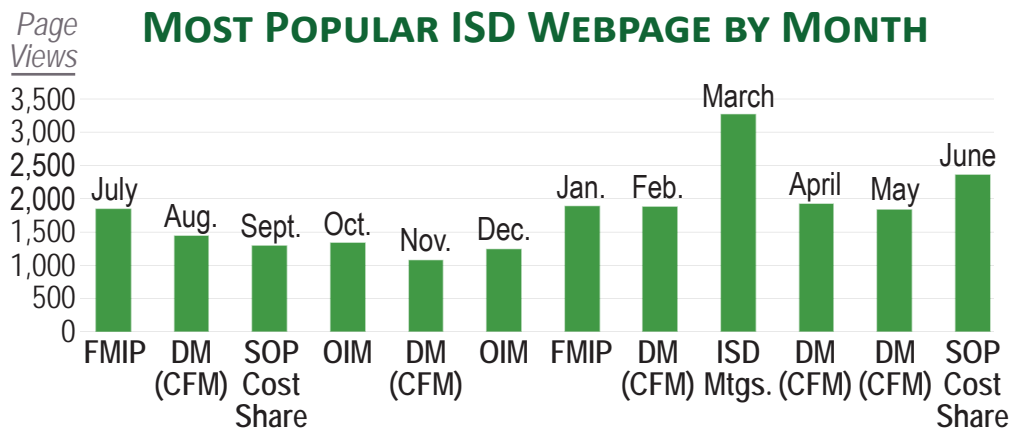
Instagram [@cdfa_isd](#)

#1 Instagram post with **272** impressions

Facebook [@CDFAISD](#)

#1 Facebook post with **243** impressions

252,461 page views of the ISD website: <https://www.cdfa.ca.gov/is/>



- DM (CFM) Direct Marketing (Certified Farmers' Market)
- FMIP Fertilizing Materials Inspection Program
- ISD Mtgs. Inspection Services Division Meetings
- OIM Organic Input Material Program
- SOP Cost Share CA State Organic Program Cost Share Information

A new Food Recovery website offers resources for understanding food recovery and food upcycling:
<https://www.cdfa.ca.gov/is/foodrecovery>

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

The Fertilizer Research and Education Program (FREP) Grant Program awarded more than

\$2 million in the 2020 cycle to universities and agricultural organizations for research, demonstration and education projects related to the environmentally safe and agronomically sound use and handling of fertilizing materials.

FREP held **5** online nitrogen management training events for **365** grower attendees.

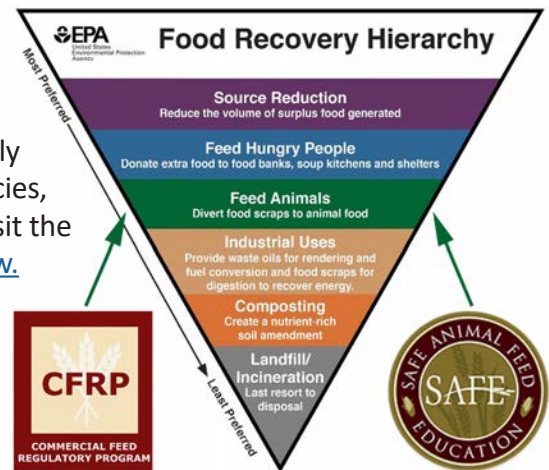
FREP tabled virtually at the 2020 California Resource Conservation District Conference Nov. 12-23 and the Almond Conference Dec. 1-2.



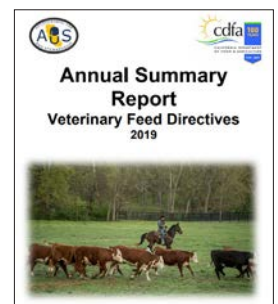
The Safe Animal Feed Education (SAFE) Program worked with the California livestock feed industry to promote the use of organic food waste byproduct feed and to ensure continued diversion of human food waste to animal feed is being accurately portrayed and is understood by fellow state agencies, food waste generators and the public at large. Visit the new webpage for more information: https://www.cdfa.ca.gov/is/ffldrs/SAFE_HumanFoodWaste-Diversion.html.



SAFE hosted two Food Safety Preventive Controls Alliance Preventive Controls Qualified Individual (PCQI) for Animal Food Training sessions in December 2020.

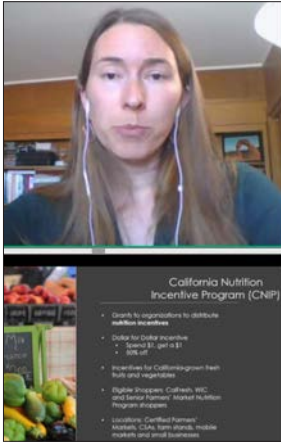


The Antimicrobial Use and Stewardship (AUS) Program released its second annual report summarizing veterinary feed directive (VFD) information. This new report for 2019 is broken into five main sections: background; VFD compliance; data summaries, tables and figures; data on 2019 manufacturing and distribution reports; and CDFA's future steps in working toward reducing antimicrobial resistance in animal agriculture.



Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

CDFA GOAL 3: ENGAGEMENT & EDUCATION



CDFA Lead Sarah Hanson presents to the CA State Board of Food and Ag in March 2021.

CALIFORNIA NUTRITION INCENTIVE PROGRAM

The California Nutrition Incentive Program (CNIP) offered webinars and trainings, including funding the Ecology Center to host the annual meeting of Market Match Consortium, which brings together farmers' market managers participating in CNIP through the Ecology Center's Market Match program.

CNIP grantees presented their projects to a national audience at the National Nutrition Incentive Hub Virtual Convening.

FARM TO SCHOOL PROGRAM

A virtual California Farm to School Conference March 10-12 allowed farm to school practitioners from California and beyond to connect and discuss best practices.

(Pictured) Farm to School Program Lead Nick Anicich (top) and Farm to School Network Lead Amy Garfinkel speak to conference attendees.



FARM TO SCHOOL PROGRAM

The Farm to School Program coordinated a farm tour of Sacramento urban farms for California First Partner Jennifer Siebel Newsom and CDFA Secretary Karen Ross to learn about and promote schools purchasing from local farms.



(Pictured) California First Partner Jennifer Siebel Newsom (black hat) and CDFA Secretary Karen Ross (denim jacket) participate in a group discussion at Fiery Ginger Farm (top) and visit Three Sisters Gardens in West Sacramento.



Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.



The California State Organic Program, California Department of Public Health and California Certified Organic Farmers met in June 2021 to get to know the roles that each agency plays in organic enforcement, education and certification/registration.



DIRECT MARKETING

Direct Marketing staff attended the 2021 California Small Farmers Virtual Conference on Feb. 22 to participate in the Market Manager Training and answer questions during the Certified Farmers' Market Round Table Forum.

The Direct Marketing Program held 5 trainings (via Zoom) statewide attended by 275 total CA county partners and members of the direct marketing industry to familiarize enforcing officers with the new direct marketing regulations, which became effective on January 1, 2021.



Produce Safety Program Manager Shelley Phillips was published in the March 2021 issue of Food Control as co-author of "Survival of common foodborne pathogens on dried apricots made with and without sulfur dioxide treatment."



Shelley Phillips

ENVIRONMENTAL SAFETY LABORATORY

Environmental Safety Laboratory scientists Bahar Nakhjavan, Nighat Sami Ahmed and Maryam Khosravifard were published in the July 2020 Multidisciplinary Digital Publishing Institute academic journal Toxins special issue, Rapid Detection of Mycotoxin Contamination. Their article, "Development of an Improved Method of Sample Extraction and Quantitation of Multi-Mycotoxin in Feed by LC-MS/MS," details their research of evaluating the three most popular sample preparation techniques for determination of mycotoxins, then selecting the best method and optimizing it.



(L-R) Bahar Nakhjavan, Nighat Sami Ahmed and Maryam Khosravifard.

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

CDFA GOAL 4: CUSTOMER SERVICE

CENTER FOR ANALYTICAL CHEMISTRY



(Pictured) CAC Scientific Aid Jeremiah Roberts prepares wine grape samples to be analyzed.

The Center for Analytical Chemistry (CAC) developed a method to analyze **148** wine grape samples for the presence of **7** smoke-taint compounds between October 1 and December 1, 2020. This was in response to the call of commercial labs and the industry to help with a backlog of samples in response to wildfires that occurred in many of California's wine grape-growing regions.

FERTILIZING MATERIALS INSPECTION PROGRAM

An agribusiness executive from a company based in Kentucky sent the following comments about **Fertilizing Materials Inspection Program** Environmental Scientist Kimber Collins: "I wanted to express our appreciation for the knowledge, support and dedication of Kimber Collins. ... We've always found Kimber to be extremely intelligent, professional, responsive and thankfully patient, all while maintaining an uncompromising focus on compliance. As an international agribusiness, these are traits we've grown to treasure and appreciate."



Kimber Collins



cdfa
PRODUCE
SAFETY
PROGRAM

Produce Safety Program Inspector Julian Potier assisted after witnessing a motor vehicle collision while in the field with two U.S. Food and Drug Administration (FDA) inspectors. One FDA inspector said of Julian and the other FDA inspector (who both made sure the driver was OK until an ambulance arrived), "All too often, we see people ignore (or God forbid, try to record video of) these things. Many cars gawked as they passed, including local police. Not these two. I believe they reflect great credit upon themselves and their respective agencies. At the very least, I wanted to let their supervisors know what they did today."



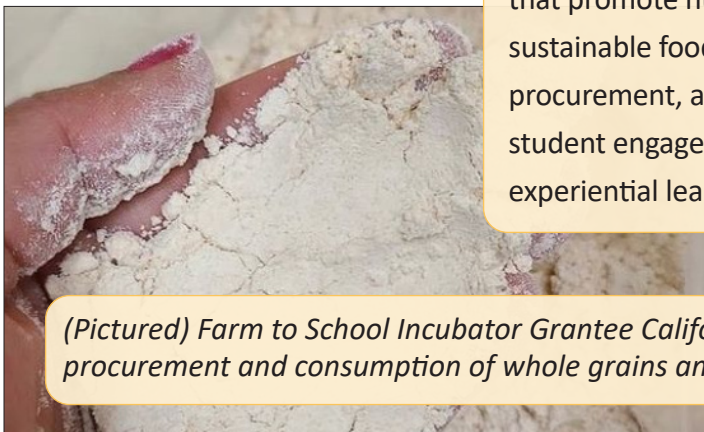
Julian Potier

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

FARM TO SCHOOL PROGRAM



The Farm to School Incubator Grant Program awarded **\$8.5 million** to **60** farm to school projects in CA to support local and regional farm to school projects that promote nutrition education, sustainable food production and procurement, and high-quality student engagement through experiential learning.



(Pictured) Farm to School Incubator Grantee California Wheat Commission is supporting the education, procurement and consumption of whole grains among students as part of its farm to school grant.



RESEARCH BRIEF

Findings from an Evaluation of the California Nutrition Incentive Program at Farmers' Markets

Key Findings

- Most shoppers reported CNIP was "very important" to their decision to shop at farmers' markets.
- The ability to use CNIP to buy California-grown was important.
- Shoppers overwhelmingly reported a desire for CNIP to continue and expand.

CALIFORNIA NUTRITION INCENTIVE PROGRAM

The California Nutrition Incentive Program (CNIP) partnered with the Nutrition Policy Institute of UC Agriculture and Natural Resources to evaluate CNIP and conduct a participant satisfaction survey.

FARM TO SCHOOL PROGRAM

The Farm to School Program hosted a few youth roundtables with CA middle and high school students to learn about the school lunch experience from their points of view. The information gained will be used to create a unified vision for what school food in CA should look like moving forward.



CDFA OFFICE OF
FARM to FORK

HEALTHY STORES REFRIGERATION GRANT PROGRAM

The Healthy Stores Refrigeration Grant Program partnered with the Nutrition Policy Institute of UC Agriculture and Nature Resources for program evaluation.

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

CDFA GOAL 4: CUSTOMER SERVICE



Any firm diverting human food byproducts to commercial livestock feed is subject to CDFA's commercial feed licensing and inspection tonnage tax requirements. The **Commercial Feed Regulatory Program** believes tonnage for these by-products has historically been underreported. In an effort to capture this data and highlight the commercial feed industry's important role in human food by-products diversion, the Feed In-

spection Advisory Board (FIAB) Regulatory Subcommittee recommended the adoption of incentives for firms who divert human food by-products to commercial livestock feed.

The first recommendation by the FIAB Regulatory Subcommittee was a reduced inspection tonnage tax rate for human food by-products. The reduced tonnage rate will apply to products defined by the American Association of Feed Control Officials (AAFCO) Official Publication Feed Ingredient Definitions under sections 40.96 Food Processing Waste, 40.97 Restaurant Food Waste, and 40.100 Recovered Retail Food and that are not being further processed by the firm (*shown in graphic to the right*).

The second recommendation of the FIAB Regulatory Subcommittee is the introduction of a new Commercial Feed License category. The Feed Manufacturer Human Food Waste license category will be available for firms who deal solely in diversion of human food by-products (as defined above). Firms with this license type will pay a reduced \$100 license fee. Additionally, firms in this category will not pay tonnage tax if their reported tonnage would be less than \$100. Tonnage reported up to \$100 will be covered by the license fee for these firms.



The **Fertilizer Research and Education Program (FREP)** assembled an Ad Hoc Committee to advise activities related to FREP's Irrigation and Nitrogen Management Training Program. The Ad Hoc Committee will be active for two years and will meet once or twice per quarter. The committee has members representing the Central Valley Water Quality Coalitions, the University of California Cooperative Extension, the

Central Valley Regional Water Quality Control Board, Ventura County Agricultural Irrigated Lands Group and Fertilizer Inspection Advisory Board's Technical Advisory Subcommittee (TASC). The committee's goals include guiding the redevelopment of the training program (i.e., revising the structure, curriculum and program requirements). The committee will also participate in evaluating the impact of the training program and creating a sustainability plan.

HUMAN FOOD BY-PRODUCTS DEFINITIONS

Food Processing Waste (40.96)

Animal and vegetable products from basic food processing.

May include:

- Manufacturing/processing waste
- Cannery residue
- Production over-run
- Otherwise unsaleable material

Restaurant Food Waste (40.97)

Edible food waste collected from:

- Restaurants
- Cafeterias
- Other food preparation institutes

Recovered Retail Food (40.100)

Edible human food products safe and suitable for livestock feed that are collected from:

- Retail food establishments
- Domestic holding facilities
- Domestic packing facilities

Permitted recovered retail foods are products from:

- Overstocks
- Lacking consumer acceptance
- Beyond their sell-by dates

For the full definitions, please refer to your copy of the AAFCO Official Publication or visit <https://www.cdca.gov/is/ffldrs/pdfs/HumanFoodByProductsDefinitions.pdf>

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

CALIFORNIA CITRUS PROGRAM



The California Citrus Program provided increased customer service by allowing in-the-field tests via a mobile citrus press calibrated and certified by CDFA Citrus Program staff, pictured in the back of a pickup.

TECHNICAL ASSISTANCE PROGRAM

The Technical Assistance Program is helping the Produce Safety Program with any language barrier they may have with an inspection through sending a translator from the University of California.



The Inspection Services Division coordinated **29** board / committee / subcommittee meetings, including **18** in the Inspection & Compliance (I&C) Branch and **11** in the Feed, Fertilizer and Livestock Drugs Regulatory Services (FFLDRS) Branch.

I&C COMMITTEE / SUBCOMMITTEE MEETINGS

9/17/20	California Organic Products Advisory Committee
9/22/20	Avocado Inspection Committee
10/5/20	Certified Farmers' Market Advisory Committee
10/13/20	California Citrus Advisory Committee Orange Maturity Inspection Subcommittee
10/29/20	Standardization Advisory Committee
11/9/20	Certified Farmers' Market Advisory Committee Database Subcommittee
11/17/20	California Citrus Advisory Committee
12/8/20	California Citrus Advisory Committee
1/28/21	California Organic Products Advisory Committee
3/1/21	Certified Farmers' Market Advisory Committee
3/4/21	California Citrus Advisory Committee
3/9/21	Avocado Inspection Committee
3/11/21	Standardization Advisory Committee
4/22/21	Shipping Point Inspection Committee
4/26/21	California Organic Products Advisory Committee Fund Condition Subcommittee

5/19/21 California Organic Products Advisory Committee

6/7/21 California Organic Products Advisory Committee
Fund Condition Subcommittee

6/15/21 Avocado Inspection Committee

FFLDRS BOARD / SUBCOMMITTEE MEETINGS

8/6/20 Feed Inspection Advisory Board

9/22/20 Feed Inspection Advisory Board Regulatory
Subcommittee

9/29/20 Fertilizer Inspection Advisory Board

11/12/20 Feed Inspection Advisory Board

11/24/20 Fertilizer Inspection Advisory Board Technical
Advisory Subcommittee

12/16/20 Feed Inspection Advisory Board Technical
Advisory Subcommittee

1/26/21 Feed Inspection Advisory Board

2/11/21 Fertilizer Inspection Advisory Board

3/18/21 Fertilizer Inspection Advisory Board Technical
Advisory Subcommittee

4/21/21 Feed Inspection Advisory Board

6/10/21 Fertilizer Inspection Advisory Board

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

CDFA GOAL 5: EMPLOYEE DEVELOPMENT



This collage of Inspection Services Division (ISD) employees was inside the words ISD Director Natalie Krout-Greenberg wanted to express to every ISD staff member as part of her March 5 email on Employee Appreciation Day.



"Thank you for doing your best every day and thank you for bringing a smile to our team – it boosts our spirits when we need it most, especially in light of this past year." — ISD Director Natalie Krout-Greenberg

(Pictured) Produce Safety Program (PSP) Environmental Scientist Cristina Jimenez speaks about PSP at the sixth annual Latino Farmer Conference.



¡Bienvenidos!

Programa de Inocuidad de Productos Agrícolas Frescos (Produce Safety Program)

Latino Farmer Conference 2021
Cristina Jimenez



CDFA co-sponsored and presented at the sixth annual Latino Farmer Conference on February 11. PSP Environmental Scientist Cristina Jimenez gave a presentation about PSP inspections, including what to expect during an inspection, record requirements and a farmer questionnaire available in Spanish.



Leslie Fernandez, special investigator for the CA State Organic Program, spoke at the 20th Annual Latina Connection Conference 2021, “Honoring Your Sacred Self.” Conference speakers spoke to Latina college students about their highest academic achievement, occupation and the importance of Latinas in that industry.



Leslie Fernandez

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

CENTER FOR ANALYTICAL CHEMISTRY (CAC)

The Center for Analytical Chemistry (CAC) offered **54** staff development opportunities, including instrument operation, hazardous waste training and project management.

CAC staff actively participated in CDFA's Succession and Mentorship Program, initiated and run by the Division of Administrative Services. Many participants will become mentors in the next round of the program as well as be involved in the CDFA's Upward Mobility Program. Several members started a book club to discuss each chapter of the "Leadership Equation" book used in the mentorship program to determine how to implement the concepts presented.



WHERE LEADERS ARE MADE
www.toastmasters.org

CDFA has a new Toastmasters club. Ag Orators began in April 2021 and quickly became the largest department-wide Toastmasters club, including 47 members. With initial leadership from CAC's Environmental Program Manager I, Maryam Khosravifard, and Measurement Standards Division Director Kristin Macey, the club was established with valuable assistance from club sponsors.

CAC Senior Environmental Scientist (Supervisor) Stacy Aylesworth provided an overview of the state hiring and interviewing process to CAC staff. The presentation covered a brief overview of the exam process, eligibility lists, applying for vacant positions and preparing for interviews. Other topics included reviewing a duty statement and the classification specification to prepare for a hiring interview, as well as reviewing CalHR's Core Competencies to evaluate one's personal skill set and work experience. Joining the new Toastmasters club was encouraged as a way to improve communications skills and build confidence.



Stacy Aylesworth

ENVIRONMENTAL SAFETY LABORATORY

Environmental Safety Laboratory staff attended the Association of American Plant Food Control Officials (AAPFCO) bi-annual virtual meeting in February 2021. The meeting included control officials from across the USA sharing information, listening to informative presentations and collaborating on many topics such as fertilizer labeling laws and new and emerging methods of analysis.

PESTICIDE RESIDUE PROGRAM

Poonam Chandra, Center for Analytical Chemistry Pesticide Residue Program Senior Environmental Scientist (Supervisor), participated in the CSU Sacramento speaker series, "What's Your Next Step?" which included orators from industry and government sectors. Poonam shared her career path journey with students and other participants, from earning her bachelor's degree to her employment search in the private and government sectors, interviewing techniques, then landing her first career position at CDFA.



Poonam Chandra

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

CDFA GOAL 5: EMPLOYEE DEVELOPMENT

FERTILIZING MATERIALS PROGRAM

In a one-year term as president of the Association of American Plant Food Control Officials (AAPFCO), Nick Young, senior environmental scientist (supervisory) of the Fertilizing Materials Inspection Program (FMIP), facilitated AAPFCO's 33rd Administrator's Seminar via Zoom. This annual seminar is open to state fertilizer control officials to discuss emerging issues and strive toward uniform resolution. Nearly all of CDFA's fertilizer registration staff attended. Attendance included 76 people representing 35 states, plus Canada.



Nick Young



STAFF SPOTLIGHT



Richard Sang

PEOPLE WORKING FOR THE FOOD SUPPLY

NAME, TITLE, PROGRAM: Richard Sang, Staff Services Analyst, Inspection & Compliance Branch – Shipping Point Inspection Program

YEARS AT CDFA: 11

HOW DO YOU WORK FOR THE CALIFORNIA FOOD SUPPLY? *I provide administrative assistance to the CDFA Shipping Point Inspection field offices that work directly with producers and processors at packing houses and processing plants. My role is to ensure that the accounts for our industry are in good standing and that all receivables are collected and paid in full.*

STAFF SPOTLIGHT



Stephen Siegel

PEOPLE WORKING FOR THE FOOD SUPPLY

NAME, TITLE, PROGRAM: Stephen Siegel, Sr., Environmental Scientist (Supervisor), Center for Analytical Chemistry – Environmental Safety Laboratory, Environmental Analysis

YEARS AT CDFA: 24

HOW DO YOU WORK FOR THE CALIFORNIA FOOD SUPPLY? *I work with a group that provides analytical support for studies that monitor pesticides in the environment and studies that help ensure optimal agricultural worker protection.*

STAFF SPOTLIGHT



Karina Macias Arroyo

PEOPLE WORKING FOR THE FOOD SUPPLY

NAME, TITLE, PROGRAM: Karina Macias Arroyo, Staff Services Analyst, Inspection Services Division (ISD) Administration Unit

YEARS AT CDFA: 2

HOW DO YOU WORK FOR THE CALIFORNIA FOOD SUPPLY? *As part of the ISD Administration Unit, I assist with assignments and I help route documents that help ISD programs work on behalf of California's quality food supply and environmentally safe agricultural practices.*

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

STAFF SPOTLIGHT



Ted Bert

PEOPLE WORKING FOR THE FOOD SUPPLY

NAME, TITLE, PROGRAM: Ted Bert, Environmental Scientist, Feed, Fertilizer and Livestock Drugs Regulatory Services Branch – Feed and Livestock Drugs

YEARS AT CDFA: 8

HOW DO YOU WORK FOR THE CALIFORNIA FOOD SUPPLY? *Our program is industry funded. Therefore, we regulate the industry we serve. Our program reports to a board which is made up of industry manufacturers, brokers and livestock industry nutritionists. We focus our program priorities and activities based on the board’s recommendations, which today is mainly feed and food safety and ensuring equity in the feed market. The feed industry funds our program not only to regulate them, but to ensure a safe food/feed supply to the global consumer.*

STAFF SPOTLIGHT



Rynanne Mason

PEOPLE WORKING FOR THE FOOD SUPPLY

NAME, TITLE, PROGRAM: Rynanne Mason, Environmental Scientist, Center for Analytical Chemistry – Food Safety Laboratory

YEARS AT CDFA: 32

HOW DO YOU WORK FOR THE CALIFORNIA FOOD SUPPLY? *My job is to protect the health and wellbeing of the people of the state of California. When I started working for CDFA, we used to have to take oaths saying that.*

STAFF SPOTLIGHT



Elisa Gollub

PEOPLE WORKING FOR THE FOOD SUPPLY

NAME, TITLE, PROGRAM: Elisa Gollub, Ph.D., Impact & Communications Lead / Research Data Specialist II, Office of Farm to Fork

YEARS AT CDFA: Almost 2.5

HOW DO YOU WORK FOR THE CALIFORNIA FOOD SUPPLY? *I support food access and food security in our efforts to connect consumers and students with fresh, California-grown produce that is accessible and affordable for everyone.*

STAFF SPOTLIGHT



Kiley Potter

PEOPLE WORKING FOR THE FOOD SUPPLY

NAME, TITLE, PROGRAM: Kiley Potter, Branch Contract Analyst, Inspection & Compliance Branch – Branch Support

YEARS AT CDFA: 15

HOW DO YOU WORK FOR THE CALIFORNIA FOOD SUPPLY? *I provide administrative support to the employees responsible for enforcing all regulations and policies to ensure consumers receive products that meet all minimum maturity and quality standards.*

Above is a selection of highlights from the work ISD completed in FY2020-21; it is not comprehensive.

ACKNOWLEDGMENTS

RETIREMENTS

The Division of Inspection Services recognizes with gratitude these staff members who retired during FY2020-21:

Greg Dake (I&C), after 38 years of state service

Susan Griffin (CAC), after 17 years of state service

Sally Hernandez (CAC), after 39 years of state service

Scott Waldmire (CAC), after 39 years of state service

Dale Woods (FFLDRS), after 35 years of state service




cdfa

Inspection Services

CONTRIBUTING INDIVIDUALS

The following individuals contributed to this publication:

- | | | |
|--|--------------------------------------|---|
| Cecilia Baumann (Admin) | Steve Patton (I&C) | Nick Young (FFLDRS) |
| Joshua Bingham (Admin) | Shelley Phillips (I&C) | Sarva Balachandra (CAC) |
| Carla Bocanegra-Sanchez (Admin) | Samuel Santander (I&C) | Suzanne Conrad (CAC) |
| Natalie Krout-Greenberg (Admin) | Marcee Yount (I&C) | Maryam Khosravifard (CAC) |
| Karina Macias-Arroyo (Admin) | Amadou Ba (FFLDRS) | Barzin Moradi (CAC) |
| Teri Turnquist (Admin) | Marilyn Boehnke (FFLDRS) | John Pedigo (CAC) |
| Karrie Batchelor (I&C) | Jennifer Harmon (FFLDRS) | Tiffany Tu (CAC) |
| Kevin Batchelor (I&C) | Rachelle Kennedy (FFLDRS) | Nick Anicich (CDFA-F2F) |
| Stacey Hughes (I&C) | Shelly King (FFLDRS) | Rachel Finkes (CDFA-F2F) |
| Mitchell King (I&C) | Jenna Leal (FFLDRS) | Elysia Fong (CDFA-F2F) |
| Danny Lee (I&C) | Cathryn McCandless (FFLDRS) | Elisa Gollub (CDFA-F2F) |
| Cydney Mayo (I&C) | Samantha Moran-Defty (FFLDRS) | Sarah Hanson (CDFA-F2F) |
| Lina Nguyen (I&C) | Minal Patel (FFLDRS) | Ed Williams (former employee,
photo on p. 31) |
| Laura Oliver (I&C) | Brittnie Williams (FFLDRS) | |



CALIFORNIA DEPARTMENT OF
FOOD AND AGRICULTURE

DIVISION OF INSPECTION SERVICES

ANNUAL REPORT 2021

(FY 2020-21)