

County Agricultural Commissioner Pesticide Enforcement Programs

A DPR Brown Bag Lunch Presentation

California's network of county agricultural commissioners (CAC) enforce pesticide rules and regulations, including inspections for safety and compliance and investigations. Join us for this special presentation by a CAC expert on pesticide regulations and enforcement.



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Supervising Ag/Standards Specialist

Pesticides Division

Madera County Agricultural Commissioner/Sealer



Background

- ◆ 58 Counties in California
- ◆ Each county has a Ag Commissioner and Sealer
- ◆ 57 of 58 counties the Commissioner/Sealer is same person
(Ventura County has a separate Ag Commissioner and Sealer)
(Plumas/Sierra, Inyo/Mono, Alpine/El Dorado share
Ag Commissioner/Sealer)
- ◆ California Agricultural Commissioners and Sealers Association
(CACASA)

California Agricultural Commissioners and Sealers Association (CACASA) Area Groups



Fresno County Dept. of Agriculture by the numbers

- ◆ 4 year degree in the Life Sciences or Agricultural Sciences
(Biology, Botany, Chemistry, Environmental Studies, Forestry, Plant Science, Animal Science, Agronomy, etc.)
- ◆ 8 State Issued Licenses
- ◆ 95 Staff members
- ◆ 96 Countries of Export
- ◆ 166 Commodities Exported
- ◆ 3,000 pesticide permits
- ◆ 20,628 Export Certificates
- ◆ 325,000 pesticide use reports

Agricultural Commissioner Programs

- ◆ Crop Report
- ◆ Pesticides
- ◆ Quarantine – Export Certification
- ◆ Pest Exclusion
- ◆ Fruit + Vegetable Standards
- ◆ Nursery
- ◆ Shell Eggs
- ◆ Apiary
- ◆ Seed

Crop Report:

\$6.6 Billion in 2015

400 Commodities

3.8 Million Acres total

1.9 Million A Harvested

50% of Fresno Co is

Farmed!

2015

Fresno County

Annual Crop & Livestock Report



Madera Crop Report:
\$2.01 Billion in 2015
1.36 Million Acres total
700,000 Acres Harvested
51% of Madera Co is
Farmed!

Madera County

Crop & Livestock Report



2015



Fresno County Harvest Calendar

JANUARY	APRIL	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER
Broccoli	Asparagus	Alfalfa	Alfalfa	Alfalfa	Alfalfa	Alfalfa	Alfalfa
Citrus	Broccoli	Apricots	Apricots	Almonds	Almonds	Almonds	Almonds
Grapefruit	Citrus	Asparagus	Apples	Apples	Apples	Apples	Bell Peppers
Lemons	Oranges	Barley	Barley	Apricots	Barley	Barley	Broccoli
Oranges	Lettuce	Bell Peppers	Bell Peppers	Barley	Bell Peppers	Bell Peppers	Citrus
Pummelos	Peas	Blueberries	Blueberries	Bell Peppers	Cantaloupes	Broccoli	Lemons
Tangelos	Strawberries	Boysenberries	Cantaloupes	Cantaloupes	Carrots	Cantaloupes	Oranges
Tangerines	Wheat	Cherries	Chili Peppers	Carrots	Chili Peppers	Chili Peppers	Cotton
		Chili Peppers	Citrus	Chili Peppers	Corn	Corn	Eggplant
FEBRUARY	MAY	Citrus	Oranges	Corn	Cucumbers	Cotton	Grapes
Broccoli	Alfalfa	Oranges	Com	Cucumbers	Eggplant	Eggplant	Green Beans
Citrus	Asparagus	Com	Cucumbers	Eggplant	Figs	Grapes	Kiwi
Lemons	Blueberries	Cucumbers	Eggplant	Figs	Garlic	Green Beans	Long Beans
Oranges	Cherries	Eggplant	Figs	Garbanzo Beans	Grapes	Kiwi	Olives
Tangelos	Citrus	Grapes	Garbanzo Beans	Garlic	Green Beans	Lettuce	Persimmon
Tangerines	Oranges	Green Beans	Grapes	Grapes	Honeydew	Persimmon	Pistachios
	Cucumbers	Nectarines	Nectarines	Grapes	Jujubes	Pistachios	Pomegranate
MARCH	Green Beans	Onions	Honeydew	Honeydew	Lettuce	Pomegranate	Squash
Asparagus	Nectarines	Peaches	Nectarines	Jujubes	Nectarines	Pumpkins	Tomatoes
Broccoli	Onions	Peas	Onions	Lettuce	Onions	Rice	Walnuts
Citrus	Peaches	Plums	Peaches	Nectarines	Peaches	Sorghum	
Lemons	Peas	Squash	Pears	Onions	Pistachios	Squash	
Oranges	Plums	Strawberries	Peas	Peaches	Plums	Tomatoes	
Tangelos	Squash	Tomatoes	Plums	Pears	Pumpkins	Walnuts	
Tangerines	Strawberries	Wheat	Pluots	Plums	Rice	Watermelons	
Lettuce	Wheat		Safflower	Pluots	Sorghum	Wheat	DECEMBER
			Squash	Safflower	Squash		Broccoli
			Strawberries	Squash	Strawberries		Citrus
			Tomatoes	Strawberries	Tomatoes		Grapefruit
			Watermelons	Sunflower	Walnuts		Lemons
			Wheat	Tomatoes	Watermelons		Oranges
				Watermelons	Wheat		Cotton
				Wheat			Olives
							Pomegranate
							Tumips









Eggs







High Risk Inspections

- ◆ Monitor pathways for Invasive species
- ◆ Airport
- ◆ Mail
- ◆ UPS, Fed Ex, Overnight Shippers
- ◆ Nursery Shipments: Home Depot, Lowes etc.
- ◆ High Risk Bee Hive Inspection – Red Imported Fire Ant
- ◆ Dog Team



FRESNO YOSEMITE
INTERNATIONAL AIRPORT



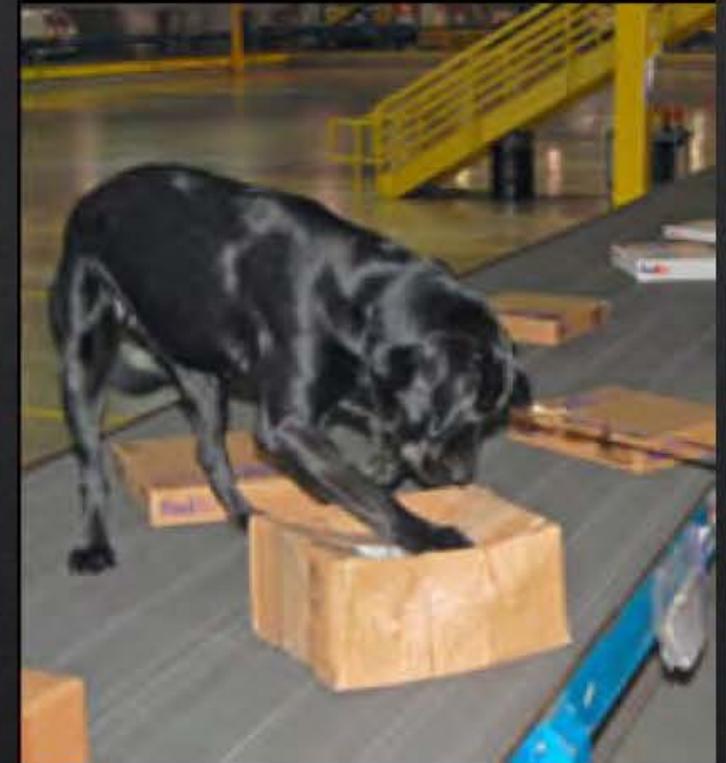
UNITED STATES
POSTAL SERVICE



Retail Nursery inspections/ Out of state Bee inspection



High Risk K-9 inspection team



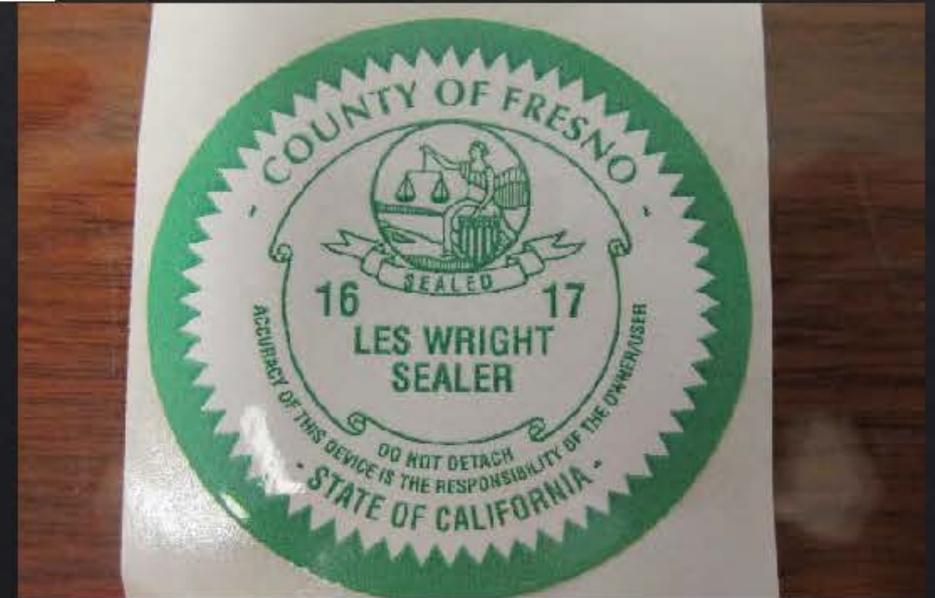
Seed



Sealer Programs

- ◆ Weights and Measures
- ◆ Scales
- ◆ Taxi Meters
- ◆ Fuel Pumps
- ◆ Electric Meters
- ◆ Gas Meters
- ◆ Packaging and Labeling

Weights and Measures



Counter Scales



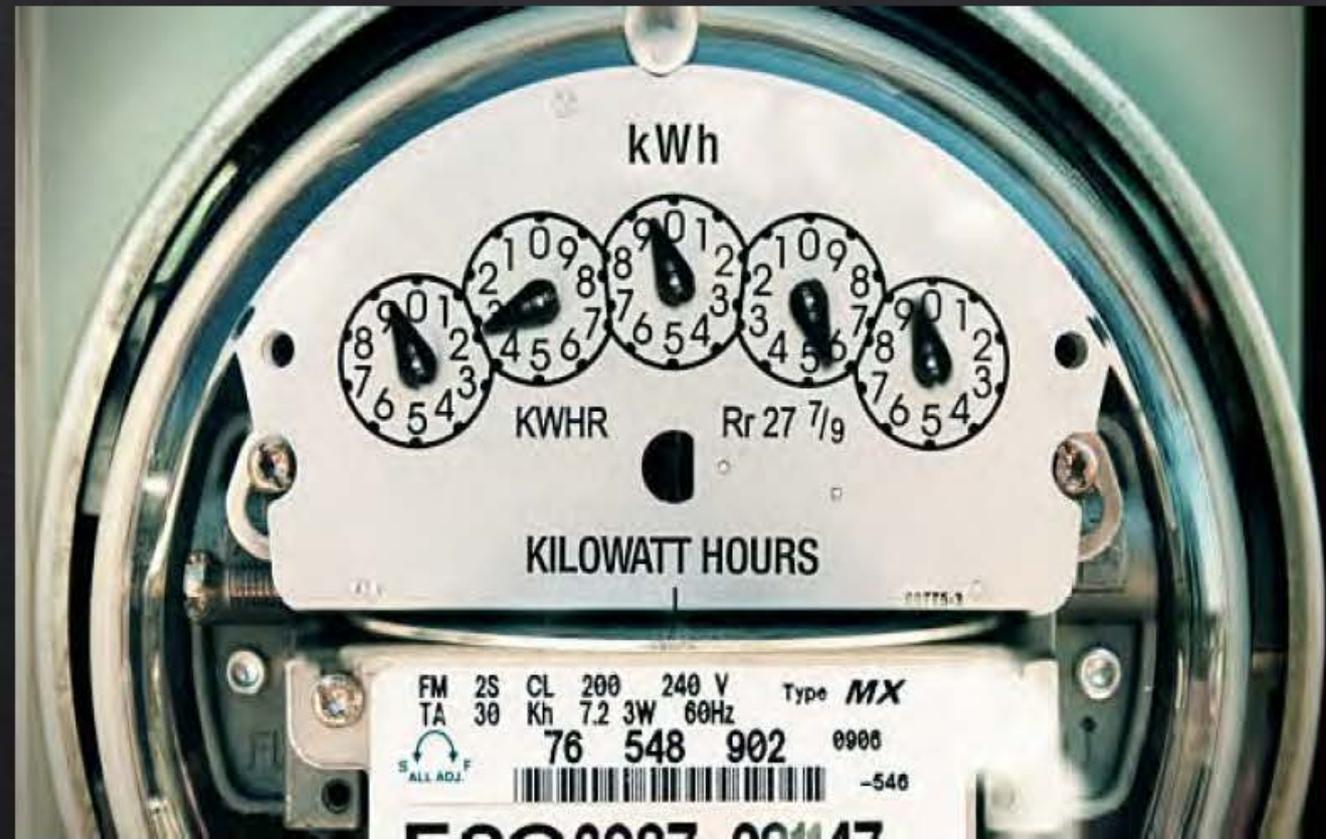
Meat and Deli Scales



Taxicab Meters



Meters



Gas Station Pumps



Weights and Measures makes sure everyone follows the rules



County Dept. of Agriculture Mission

We are committed to:

- ◆ Promoting California agriculture
- ◆ Protecting environmental quality through the sound application of pesticide and worker safety regulations
- ◆ Fostering public confidence by assuring a fair and equitable marketplace
- ◆ Preserving agricultural land use for future generations
- ◆ Minimizing the pest risk pathways of exotic and harmful pests
- ◆ Crop Value for 2015 = 6.6 Billion
- ◆ Approx. 400 commodities
- ◆ Supply food, feed and fiber products to 97 countries

Fresno County Top 10 Crops 2015

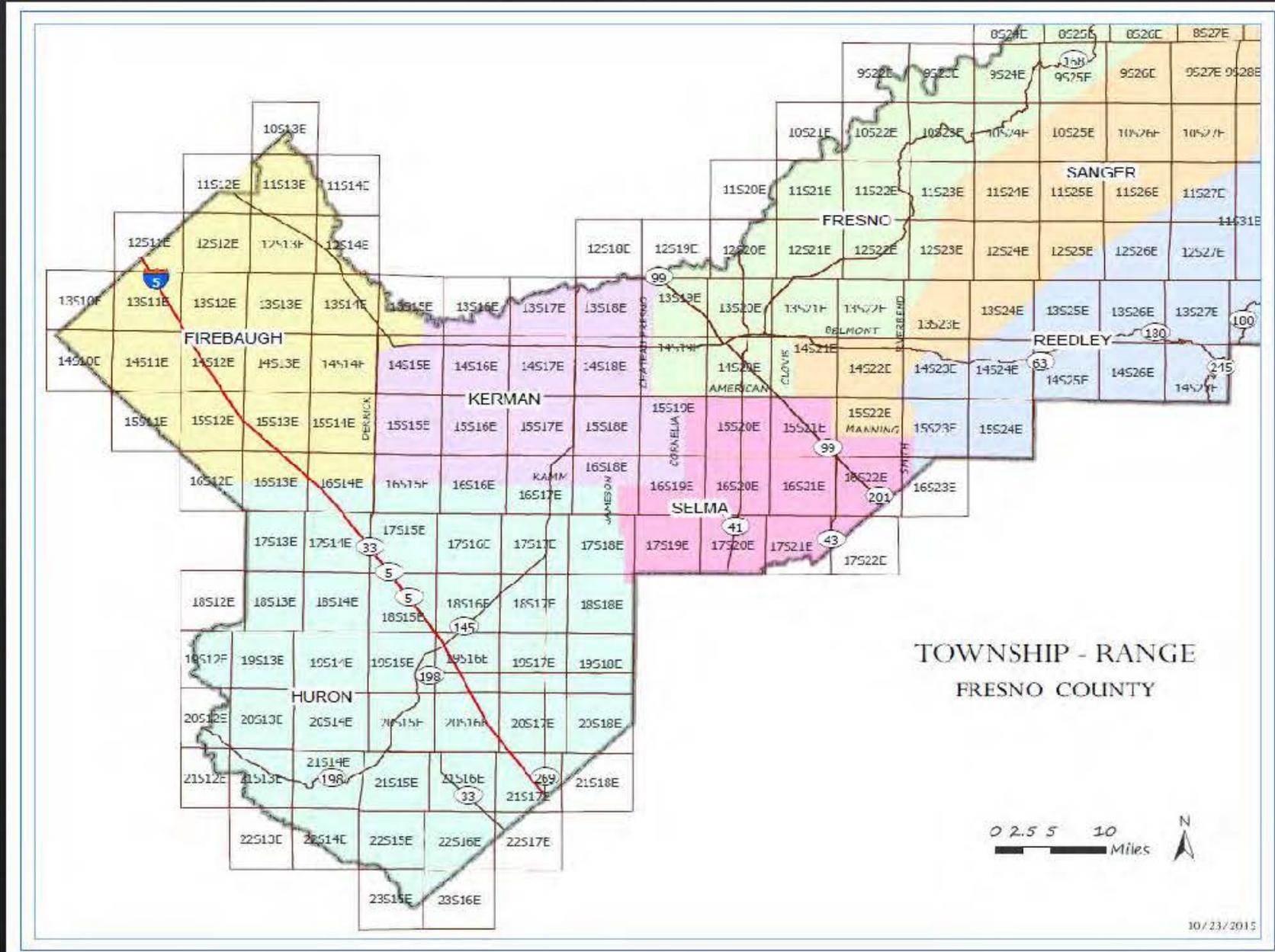
FRESNO COUNTY'S 10 LEADING CROPS

Crop	2015 Rank	2015 Dollar Value	2014 Rank	2005 Rank	1995 Rank
Almonds	1	1,205,730,000	1	2	7
Grapes	2	896,295,000	2	1	2
Poultry*	3	561,146,000	3	7	3
Cattle & Calves	4	551,989,000	5	5	8
Tomatoes	5	520,146,000	6	4	4
Milk	6	436,765,000	4	3	5
Peaches	7	224,597,000	9	8	12
Garlic	8	198,800,000	8	14	11
Mandarins	9	197,622,000	+		
Oranges	10	153,811,000	11	10	10

* Includes Turkeys, Chickens, Ducks, Geese & Gamebirds

+ Not previously combined for ranking purposes

Fresno County



District info

- ◆ Large area to patrol
- ◆ 7 District offices
- ◆ 3 – 6 Ag/Standards Inspectors per District
- ◆ Multiple hats:
 - ◆ Quarantine inspection
 - ◆ Pesticides
 - ◆ Fruit and Vegetable Standards
 - ◆ Investigations

Pesticides in California

What is a pesticide?

- ◆ “Pesticide” is an umbrella term that includes many kinds of chemicals, natural and synthetic. A pesticide is any substance intended to control, destroy, repel, or attract a pest. Any living organism that causes damage, economic loss, transmits or produces disease may be the target pest.
- ◆ Some common pesticides include insecticides, herbicides, rodenticides, molluscicides, fungicides, repellents, disinfectants and sanitizers.

Common Products

Herbicide

Molluscicide

Insecticide

Disinfectant



Pesticides in CA cont.

◆ *Regulation Flow Chart:*

◆ Federal EPA

◆ CDPR

◆ CAC

EPA Region 9, DPR and CACASA have a cooperative agreement in order to ensure a unified and coordinated program of pesticide episode reporting, investigation and enforcement.

◆ Ag Commissioner:

- Asst. Commissioner
- Ag Deputy
- Investigator
- Ag/Standards Specialist (Inspector)

Licensing

- ◆ All Commercial agricultural licensing is issued by CDPR.
- ◆ FLC licensing is issued by the Department of Industrial Relations (DIR).
- ◆ Structural licensing is issued by the Structural Pest Control Board.
- ◆ Commercial licenses must be valid at the time of county registration.

County Pesticide Responsibilities

Annual registration of the following:

- ◆ Pest Control Businesses
 - Agricultural
 - Structural
- ◆ Farm Labor Contractors (FLC)
- ◆ Pest Control Advisors
- ◆ Pilots

Pesticide use permitting

Operator Identification:

Before buying or using pesticides in production agriculture, every property operator is required to obtain a unique operator ID from each county in which pesticides will be used.

Restricted Material Permit:

Permits for agricultural and Non-Ag use of a restricted material shall be issued in the name of the operator of the property to be treated.

Restricted Materials: The DPR director designates pesticides as restricted materials.

Pest Control Advisors (PCA)

- ❖ DPR licenses
- ❖ Must register with County
- ❖ No pesticide application can be made without a written recommendation
- ❖ PCA's work with growers/applicators/suppliers
- ❖ Essential piece of the production/compliance puzzle

Pesticide Use Reports

- ◆ **Production Agriculture:** The operator of the property which is producing an agricultural commodity shall report the use of pesticides applied to the crop, commodity, or site to the commissioner of the county in which the pest control was performed.
- ◆ **Monthly Summary Pesticide Use Reports:** Persons required to maintain pesticide use records shall report a summary of the monthly use of pesticides to the commissioner of the county in which the work was performed.

Industry Partners

- ◆ Growers
- ◆ Pest Control Businesses
 - Agricultural
 - Structural
 - Non-Ag
- ◆ Pesticide Dealers
- ◆ Farm Labor Contractors
- ◆ Pest Control Advisors

Community Partners

- ❖ IVAN (Identifying Violations Affecting Neighborhoods) groups
 - ❖ Fresno Environmental Reporting Network (FERN)
 - ❖ Kern Environmental Enforcement Network (KEEN)
- ❖ NGO's (Non-Governmental Organization)
- ❖ Community representatives
- ❖ Commodity groups
- ❖ Training and education partners

Inspections

- ◆ Inspections are an essential element of the county's pesticide use enforcement program.
- ◆ Inspections ensure the safety of handlers, fieldworkers, the public and the environment.
- ◆ Inspections are conducted for the purpose of assessing and documenting whether a pesticide use activity complies with all applicable pesticide laws and regulations.

Inspections

- ◆ CAC staff perform Use Monitoring and Headquarters inspections to evaluate pesticide use compliance.

We do them all!

ground



air



structural



Inspections



fumigations



Investigations

Ag Commissioner investigates all pesticide-related damage or injury:

- ◆ Drift
- ◆ Crop injury
- ◆ Field worker injury/exposure
- ◆ Complaints
 - Odor
 - Noise
- ◆ Report of Loss/Non-performance
- ◆ Pesticide Illness Report/Poison Control
 - Non Ag/Industrial/Homeowner use
- ◆ Doctor First report
- ◆ Illegal Residues

Enforcement Actions

- ◆ Notice of Violation
- ◆ Warning Letter
- ◆ Notice of Proposed Action
 - Fine
 - Permit limitations
- ◆ Appeal Process

Thank you!

