

California Pesticide Use Enforcement Statistical Profile

Date February 2015

Introduction The Department of Pesticide Regulation (DPR) developed a summary of annual statewide county agricultural commissioner (CAC) pesticide enforcement program statistics. This annual California Pesticide Use Enforcement Statistical Profile consolidates CAC data from several DPR database sources. DPR also produced and distributed County Pesticide Use Enforcement Statistical Profiles with data from each individual county.

Source of the data The data sources used in the report include the Pesticide Regulatory Activities Monthly Report (PRAMR), pesticide use report, and inspection tracking databases. Also included is CAC funding information from DPR and the California Department of Food and Agriculture (CDFA).

Pages of the profile This statistical profile consists of:

- Annual statewide pesticide enforcement program statistics: General statistics about the CAC program drawn from the PRAMR and pesticide use report databases, and funding disbursed by CDFA via the unclaimed gas tax distribution and by DPR via the mill assessment;
- Statewide workload distribution by percent time: Charts showing workload distribution by licensed work hours and percentages of time dedicated to various categories of the CAC pesticide enforcement program (PRAMR);
- Statewide inspection compliance: Compliance information from the various types of inspections conducted by the CACs (inspection tracking) and a summary of the number of compliance and enforcement actions taken (PRAMR); and
- Most common violations-statewide: A listing of the code section violations that are most frequently cited on CAC inspections (inspection tracking).

Purpose of the profiles The profiles were developed to look at available data in a more comprehensive format. The CACs and DPR may use this information to:

- Develop county enforcement work plans;
- Conduct effectiveness evaluations;
- Identify trends and program changes;
- Identify CAC staff training needs;
- Identify industry outreach needs;
- Improve inspection compliance;
- Develop inspection target programs; and
- Compare county data to statewide, regional and/or other counties with similar characteristics.

Continued on next page

California Pesticide Use Enforcement Statistical Profile, Continued

Annual pesticide enforcement program statistics

This is a three-year comparison of several statistics regarding restricted materials permits (such as number of: permits issued, permits denied, multi-year permits, sites, and notices of intent reviewed, assessed and denied); pounds of pesticides used; number of applications; number of inspections; and CDFA and DPR funding. This information can be used to identify significant year-to-year reductions or increases that may impact the county's overall pesticide enforcement program.

Workload hours and distribution by percent time

The line chart shows a three-year comparison of CAC time spent (Licensed Work Hours) in seven categories of pesticide use enforcement. The pie chart presents the percentage of time dedicated to those activities over the three-year period. These charts identify areas where excessive or minimal time is dedicated to specific work categories that may not be appropriate for an individual program. It can also be used to identify significant year-to-year reductions or increases that may impact the overall pesticide enforcement program.

Inspection compliance

These tables list by agricultural and structural settings the numbers of inspections and compliance rates for each inspection type the CACs conduct. It also shows the number of "No's" per inspection, the percentage of inspections with 100 percent compliance and the number of inspections where one or more violations were found. The last number on the table can be compared with the number of compliance and enforcement actions taken during the same period; however, the numbers do not correlate directly. Not all compliance and enforcement actions are taken during the fiscal year in which it is reported. Additionally, some actions may result from the discovery of violations by means other than inspections, such as investigations.

This information can be used to identify areas of particularly low compliance where industry outreach or changes in targeting strategies may be used to improve compliance. Areas of particularly high compliance where DPR's field experience indicates that the compliance rate is not as high may identify a need to review the CAC's inspections to determine if additional training is appropriate for CAC staff.

Most common violations

This table lists the most frequently found violations by agricultural and structural settings during CAC inspections. They can be used to indicate areas where industry outreach and training are most needed.

Note: Values for some criteria can not be compared year to year due to additions and changes to law and regulations and the resultant changes to a new inspection program in 2010.

California Pesticide Enforcement Program Statistics

	2010	2011	2012	2013
Operator identification numbers issued / Amended ¹	14,172	14,170	15,074	14,445
Restricted material permits issued / Amended ¹	31,021	31,130	31,391	30,068
Permits denied ¹	334	180	131	292
Multi-year permits issued ¹	8,233	13,256	10,027	14,940
Total permitted sites ¹	277,728	268,396	249,538	247,067
Notices of intent (NOIs) reviewed ¹	142,071	133,487	125,883	121,667
NOIs assessed (Pre-application site inspections) ¹	7,997	8,024	7,749	8,011
NOIs denied ¹	1,228	1,254	822	817
Pounds of pesticide applied (active ingredient) ²	175,463,722	191,869,240	186,653,969	193,606,723
Number of agricultural applications ²	2,335,679	2,479,182	2,614,734	2,836,151
Number of non-agricultural applications ^{2,3}	16,720,927	19,442,826	22,806,785	23,465,819
Number of inspections ¹	26,336	27,941	26,272	27,797
Unclaimed Gas Tax Distribution ⁴	\$9,000,000	\$9,000,000	\$9,000,000	\$9,000,000
Pesticide Mill Assessment ⁵	\$19,087,732	\$19,835,253	\$20,786,637	\$21,680,671

1. Source: Pesticide Regulatory Monthly Activities Report

2. Department of Pesticide Regulation Pesticide Use Report Database

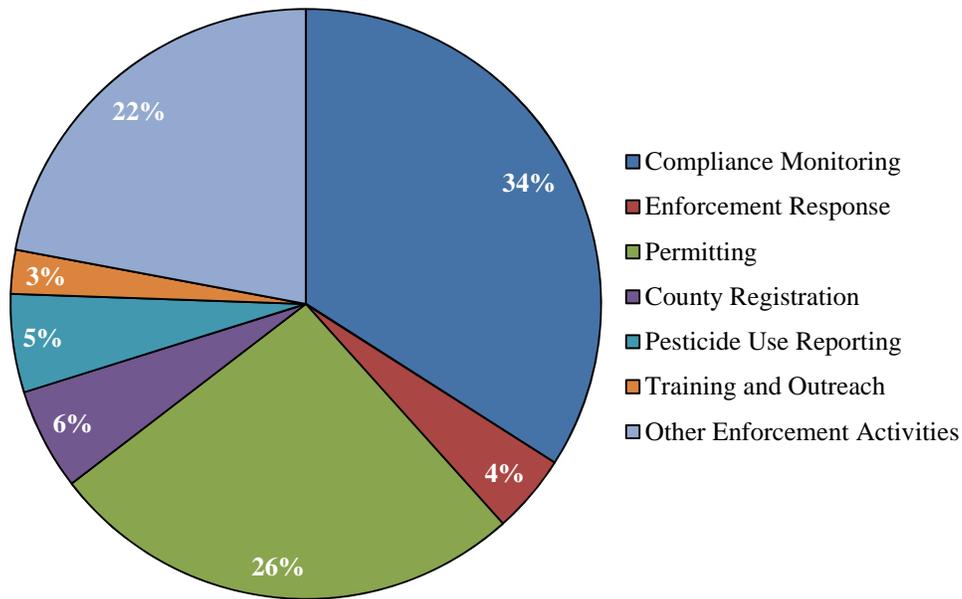
3. The number of applications reported for non-agricultural records is not always consistently reported

4. Funding is for the fiscal year. Value represents 36 percent of the amount distributed by CDFA to all 10 agricultural programs (FAC 2282) and pesticide use enforcement.

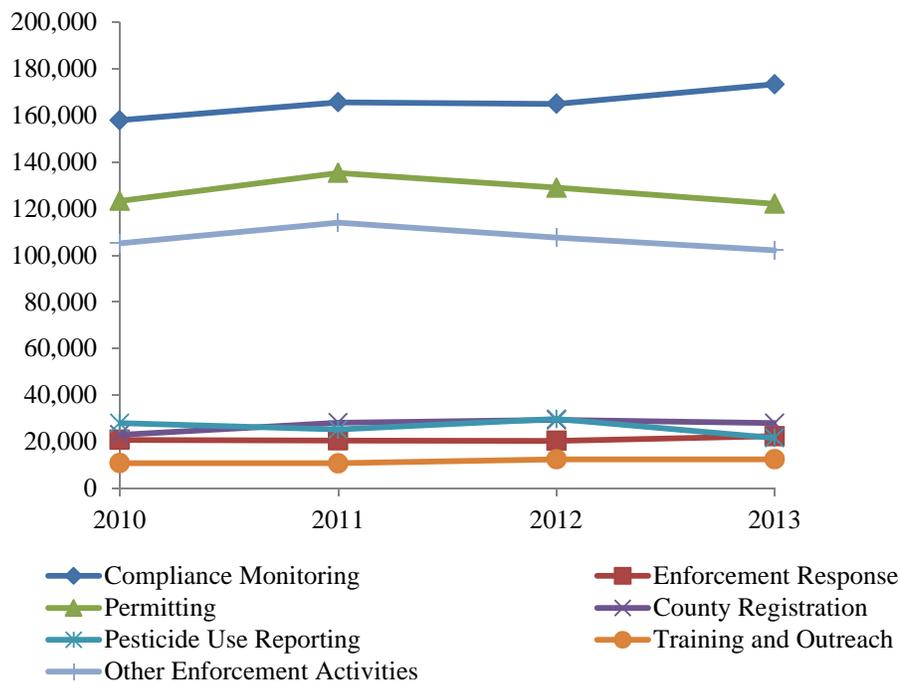
5. Funding is for the fiscal year based on the previous year's workload

California Pesticide Regulatory Activities Monthly Report Calendar Year Summary

Percentage of Licensed Work Hours Reported By Category from 2010-2013.



Number of Licensed Work Hours Reported By Category From 2010-2013.



Source: Pesticide Regulatory Activities Monthly Report Database (queried Jan 2015)

California Inspection Compliance

Inspection Type	Calendar Year 2010								Calendar Year 2011								Calendar Year 2012								Calendar Year 2013							
	Number of Inspections	Criteria				Inspections With a Violation	Inspections with 100% Compliance	Number of Inspections	Criteria				Inspections With a Violation	Inspections with 100% Compliance	Number of Inspections	Criteria				Inspections With a Violation	Inspections with 100% Compliance	Number of Inspections	Criteria				Inspections With a Violation	Inspections with 100% Compliance				
Items That Did Comply		Items That Did Not Comply	Total Items	Rate	Items That Did Comply				Items That Did Not Comply	Total Items	Rate	Items That Did Comply				Items That Did Not Comply	Total Items	Rate	Items That Did Comply				Items That Did Not Comply	Total Items	Rate	Items That Did Comply			Items That Did Not Comply	Total Items	Rate	
Agricultural																																
Field Worker Safety	1,018	5,970	266	6,236	95.73%	172	83.10%	1,065	6,391	320	6,711	95.23%	187	82.44%	1,029	6,280	228	6,508	96.50%	143	86.10%	1,006	6,128	178	6,306	97.18%	112	88.87%				
Pesticide Use - Application	5,031	84,396	2,602	86,998	97.01%	866	82.79%	5,309	89,115	2,642	91,757	97.12%	917	82.73%	4,846	80,927	2,213	83,140	97.34%	741	84.71%	4,991	83,410	2,733	86,143	96.83%	734	85.29%				
Pesticide Use - Mix Load	1,997	36,672	421	37,093	98.87%	170	91.49%	2,215	38,694	416	39,110	98.94%	184	91.69%	2,060	35,473	290	35,763	99.19%	132	93.59%	2,194	38,289	263	38,552	99.32%	121	94.48%				
Commodity Fume	433	9,170	12	9,182	99.87%	9	97.92%	476	10,200	12	10,212	99.88%	8	98.32%	463	9,979	38	10,017	99.62%	14	96.98%	544	11,712	35	11,747	99.70%	14	97.43%				
Field Fumigation	660	18,548	44	18,592	99.76%	28	95.76%	885	24,581	98	24,679	99.60%	55	93.79%	904	25,480	39	25,519	99.85%	29	96.79%	754	20,971	51	21,022	99.76%	30	96.02%				
109A-Rec. Prod. Ag.	1,366	26,976	985	27,961	96.48%	299	78.11%	1,332	26,323	1,067	27,390	96.10%	326	75.53%	1,153	22,986	715	23,701	96.98%	238	79.36%	1,200	25,101	821	25,922	96.83%	261	78.25%				
109B-Rec. Other	779	12,432	155	12,587	98.77%	77	90.12%	695	11,223	145	11,368	98.72%	75	89.21%	753	12,139	211	12,350	98.29%	73	90.31%	751	11,864	200	12,064	98.34%	70	90.68%				
109C-Rec. Dealer	160	1,597	126	1,723	92.69%	63	60.63%	144	1,513	69	1,582	95.64%	33	77.08%	156	1,636	81	1,717	95.28%	42	73.08%	150	1,533	73	1,606	95.45%	45	70.00%				
109D-Rec. PCA	261	1,936	14	1,950	99.28%	13	95.02%	280	2,014	15	2,029	99.26%	15	94.64%	242	1,795	6	1,801	99.67%	5	97.93%	248	1,820	4	1,824	99.78%	3	98.79%				
110A-Ag PCB Emp. Rec	695	6,229	183	6,412	97.15%	86	87.63%	697	6,187	148	6,335	97.66%	81	88.38%	531	4,958	99	5,057	98.04%	49	90.77%	644	5,931	158	6,089	97.41%	77	88.04%				
110C-Ag PCB Bus. Rec	754	8,101	113	8,214	98.62%	66	91.25%	756	8,217	117	8,334	98.60%	72	90.48%	593	6,500	92	6,592	98.60%	47	92.07%	700	7,722	118	7,840	98.49%	64	90.86%				
Records	4,015	57,271	1,576	58,847	97.32%	604	84.96%	3,904	55,477	1,561	57,038	97.26%	602	84.58%	3,428	50,014	1,204	51,218	97.65%	454	86.76%	3,693	53,971	1,374	55,345	97.52%	520	85.92%				
Totals:	13,154	212,027	4,921	216,948	97.73%	1,849	85.94%	13,854	224,458	5,049	229,507	97.80%	1,953	85.90%	12,730	208,153	4,012	212,165	98.11%	1,513	88.11%	13,182	214,481	4,634	219,115	97.89%	1,531	88.39%				
Structural																																
Fumigation	1,853	53,820	151	53,971	99.72%	95	94.87%	2,036	52,724	172	52,896	99.67%	119	94.16%	2,457	62,551	190	62,741	99.70%	139	94.34%	3,019	76,749	195	76,944	99.75%	152	94.97%				
Non-Fumigation Application	1,054	19,209	253	19,462	98.70%	145	86.24%	1,091	19,851	235	20,086	98.83%	148	86.43%	961	17,520	187	17,707	98.94%	102	89.39%	947	17,271	228	17,499	98.70%	130	86.27%				
Non-Fumigation Mix Load	158	2,481	42	2,523	98.34%	21	86.71%	186	2,496	36	2,532	98.58%	17	90.86%	166	2,196	19	2,215	99.14%	14	91.57%	232	3,480	19	3,499	99.46%	13	94.40%				
110B-Struct. Emp. Rec	560	4,606	158	4,764	96.68%	78	86.07%	611	4,884	198	5,082	96.10%	92	84.94%	548	4,514	157	4,671	96.64%	83	84.85%	490	4,298	98	4,396	97.77%	51	89.59%				
110D-Struct. Bus. Rec	721	8,100	104	8,204	98.73%	79	89.04%	808	8,870	182	9,052	97.99%	128	84.16%	724	8,095	110	8,205	98.66%	89	87.71%	711	8,132	107	8,239	98.70%	81	88.61%				
Records	1,281	12,706	262	12,968	97.98%	157	87.74%	1,419	13,754	380	14,134	97.31%	220	84.50%	1,272	12,609	267	12,876	97.93%	172	86.48%	1,201	12,430	205	12,635	98.38%	132	89.01%				
Totals:	4,346	88,216	708	88,924	99.20%	418	90.38%	4,732	88,825	823	89,648	99.08%	504	89.35%	4,856	94,876	663	95,539	99.31%	427	91.21%	5,399	109,930	647	110,577	99.41%	427	92.09%				
Overall Totals:	17,500	300,243	5,629	305,872	98.16%	2,267	87.05%	18,586	313,283	5,872	319,155	98.16%	2,457	86.78%	17,586	303,029	4,675	307,704	98.48%	1,940	88.97%	18,581	324,411	5,281	329,692	98.40%	1,958	89.46%				

Source: DPR Enforcement Inspection Tracking Database (queried Jan 2015).

California Closed Compliance and Enforcement Actions

Compliance Actions	2010	2011	2012	2013
A. Warning Letters / Violation Notices	3195	3396	2897	2701
B. Cease and Desist Orders	202	206	257	239
C. Documented Compliance Interviews	33	22	30	49
Total number of Compliance Actions	3430	3624	3184	2989
Licensed Work Hours	10252.67	10751.45	10733.34	10686.3
Enforcement Actions	2010	2011	2012	2013
A. Administrative Action: (1-5)				
1. Restricted Materials Permit	2	4	2	21
2. Private Applicator Certifications	6	5	0	1
3. County Registrations	0	1	0	0
4. Structural Civil Penalties	234	395	383	307
5. Agricultural Civil Penalties	555	533	553	712
B. Judicial Actions: (1-4)				
1. Notice to Appear (Citations)	0	0	0	0
2. Cases Submitted to DA	0	3	2	2
3. Civil Complaints Filed	0	0	0	0
4. Criminal Complaints Filed	0	0	0	0
C. Referrals to DPR	1	1	1	1
Total number of Enforcement Actions	798	942	941	1044
Licensed Work Hours	10549.26	9828.95	9674.49	11723.5

Note: Compliance and Enforcement Actions are not necessarily taken in the same year the violation occurred

Source: DPR Pesticide Activities Monthly Report Database (queried Jan 2015)

California

Top 10 Agricultural Inspection Violations

Criteria Evaluated	2010			2011			2012			2013			Overall 2010-2013 Criteria Evaluated			
	Met	Not Met	Total	Met	Not Met	Total	Percent Compliance									
Follows Labeling and/or Permit Conditions	20527	523	21050	22114	525	22639	20749	466	21215	21020	430	21450	84410	1944	86354	97.75%
Regulations - Personal Protective Equipment	9082	464	9546	9712	480	10192	8930	384	9314	9333	367	9700	37057	1695	38752	95.63%
Respiratory Protection	8497	447	8944	8435	414	8849	7802	273	8075	7797	387	8184	32531	1521	34052	95.53%
Handler Training	12357	403	12760	13149	389	13538	11857	273	12130	12516	381	12897	49879	1446	51325	97.18%
Emergency Medical Care, Posting	7365	362	7727	8099	354	8453	7412	268	7680	7704	331	8035	30580	1315	31895	95.88%
Handler Decontamination Facilities	10382	282	10664	11427	306	11733	10345	263	10608	10547	243	10790	42701	1094	43795	97.50%
Pest Control Business / Equipment Registered	7646	274	7920	8406	261	8667	7722	238	7960	7965	310	8275	31739	1083	32822	96.70%
Service Container Labeling	2605	235	2840	2744	266	3010	2641	192	2833	3180	240	3420	11170	933	12103	92.29%
Labeling Available at Use Site	7846	202	8048	8482	231	8713	7909	182	8091	8075	181	8256	32312	796	33108	97.60%
Hazard Communication / Field Workers	1821	142	1963	1807	178	1985	1715	118	1833	1771	98	1869	7114	536	7650	92.99%

Top 10 Structural Inspection Violations

Criteria Evaluated	2010			2011			2012			2013			Overall 2010-2013 Criteria Evaluated			
	Met	Not Met	Total	Met	Not Met	Total	Percent Compliance									
Respiratory Protection	3847	133	3980	3455	144	3599	3319	122	3441	3464	67	3531	14085	466	14551	96.80%
Regulations - Personal Protective Equipment	3145	86	3231	2701	85	2786	2643	70	2713	2935	59	2994	11424	300	11724	97.44%
Follows Labeling and/or Permit Conditions	7921	79	8000	7532	62	7594	7925	70	7995	9468	84	9552	32846	295	33141	99.11%
Service Container Labeling	1589	53	1642	1628	67	1695	1489	38	1527	1535	54	1589	6241	212	6453	96.71%
Fumigation - Written Notice to Occupant	3481	41	3522	3442	56	3498	3297	52	3349	3518	46	3564	13738	195	13933	98.60%
Emergency Medical Care, Posting	3271	32	3303	3282	51	3333	3415	31	3446	3915	47	3962	13883	161	14044	98.85%
Registered in County / 24 Hour Notice (Fume)	5589	35	5624	6067	52	6119	6700	22	6722	7821	31	7852	26177	140	26317	99.47%
Monthly PUR Submitted	691	28	719	752	49	801	695	22	717	669	34	703	2807	133	2940	95.48%
Handler Training	3666	30	3696	3652	40	3692	3927	32	3959	4337	30	4367	15582	132	15714	99.16%
Standards and Records Requirements	792	13	805	1039	35	1074	1000	17	1017	973	12	985	3804	77	3881	98.02%

Source: DPR Enforcement Inspection Tracking Database (queried Jan 2015)