

California Pesticide Use Enforcement Statistical Profile

Date March 2017

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.

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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.

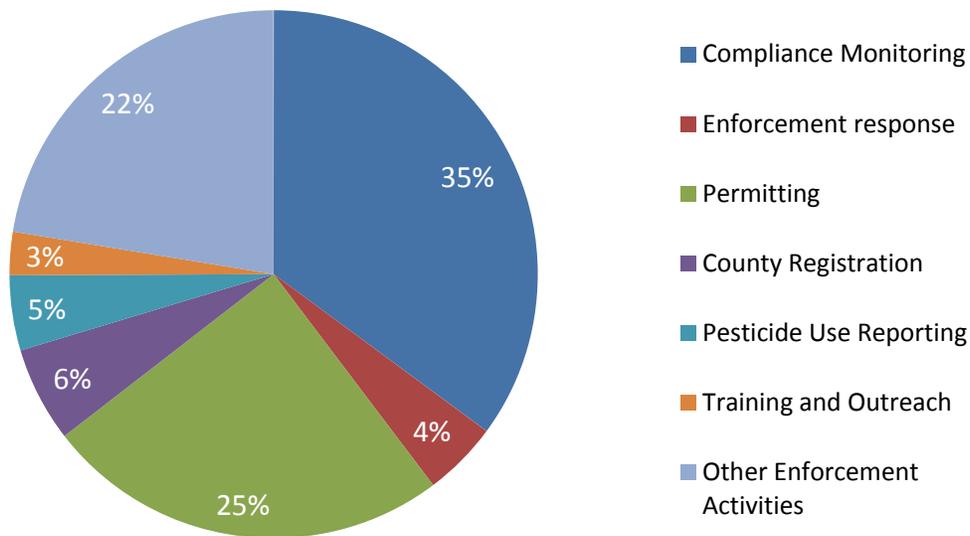
California Pesticide Enforcement Program Statistics

	2012	2013	2014	2015
Operator identification numbers issued / Amended ¹	15,074	14,525	13,419	11,888
Restricted material permits issued / Amended ¹	31,391	30,903	30,486	29,916
Permits Denied ¹	131	293	92	59
Multi-year permits issued ¹	10,027	14,940	10,462	10,503
Total permitted sites ¹	249,538	247,336	247,260	223,701
Notices of Intent (NOIs) reviewed ¹	125,883	123,096	111,873	126,062
NOIs assessed (Pre-application site inspection) ¹	7,749	8,122	7,898	8,550
NOIs denied ¹	822	819	990	928
Number of Inspections ¹	26,272	28,000	28,242	28,853

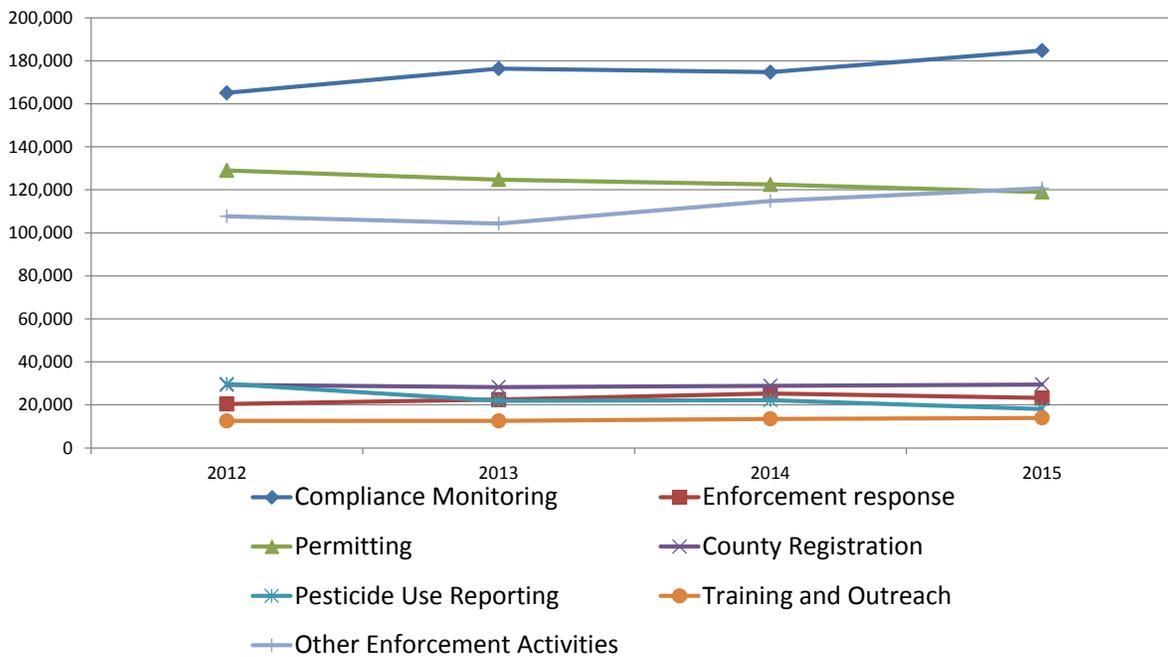
1. Source: Pesticide Regulatory Monthly Activities Report

California Pesticide Regulatory Activities Monthly Report Calendar Year Summary Summary

Percentage of Licensed Work Hours Reported By Category from 2012-2015.



Number of Licensed Work Hours Reported By Category From 2012-2015



Source: Pesticide Regulatory Activities Monthly Report Database (queried March 2017)

California Inspection Compliance

Inspection Type	Calendar Year 2012						Calendar Year 2013						Calendar Year 2014						Calendar Year 2015									
	Number of Inspections	Criteria Compliance				Inspections With a Violation	Inspections with 100% Compliance	Number of Inspections	Criteria Compliance				Inspections With a Violation	Inspections with 100% Compliance	Number of Inspections	Criteria Compliance				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			
Agricultural																												
Field Worker Safety	1,029	6,280	228	6,508	96.50%	143	86.10%	1,014	6,170	181	6,351	97.15%	114	88.76%	944	5,734	185	5,919	96.87%	118	87.50%	1,083	6,541	276	6,817	95.95%	168	84.49%
Pesticide Use- Application	4,851	80,994	2,219	83,213	97.33%	743	84.68%	5,032	84,117	2,743	86,860	96.84%	738	85.33%	4,530	76,907	1,972	78,879	97.50%	625	86.20%	4,937	83,149	2,121	85,270	97.51%	697	85.88%
Pesticide Use-Mix Load	2,062	35,507	290	35,797	99.19%	132	93.60%	2,219	38,735	265	39,000	99.32%	122	94.50%	1,995	33,979	310	34,289	99.10%	115	94.24%	2,152	36,080	301	36,381	99.17%	119	94.47%
Commodity Fume	463	9,979	38	10,017	99.62%	14	96.98%	556	11,957	35	11,992	99.71%	14	97.48%	574	12,504	15	12,519	99.88%	11	98.08%	584	12,625	38	12,663	99.70%	13	97.77%
Field Fumigation	904	25,480	39	25,519	99.85%	29	96.79%	768	21,408	51	21,459	99.76%	30	96.09%	764	21,013	29	21,042	99.86%	16	97.91%	972	26,691	38	26,729	99.86%	23	97.63%
109 A-Rec. Prod. Ag.	1,153	22,986	715	23,701	96.98%	238	79.36%	1,206	25,229	821	26,050	96.85%	262	78.28%	1,065	22,372	726	23,098	96.86%	221	79.25%	1,157	23,876	655	24,531	97.33%	225	80.55%
109 B - Rec. Other	753	12,139	211	12,350	98.29%	73	90.31%	753	11,885	201	12,086	98.34%	71	90.57%	692	11,132	195	11,327	98.28%	83	88.01%	739	11,932	247	12,179	97.97%	102	86.20%
109 C- Rec. Dealer	156	1,636	81	1,717	95.28%	42	73.08%	151	1,544	73	1,617	95.49%	45	70.20%	150	1,582	62	1,644	96.23%	31	79.33%	174	1,801	67	1,868	96.41%	40	77.01%
109 D-Rec. PCA	242	1,795	6	1,801	99.67%	5	97.93%	248	1,820	4	1,824	99.78%	3	98.79%	220	1,623	5	1,628	99.69%	5	97.73%	287	2,142	7	2,149	99.67%	6	97.91%
110 A-Ag PCB Emp. Rec.	531	4,958	99	5,057	98.04%	49	90.77%	645	5,937	158	6,095	97.41%	77	88.06%	590	5,505	115	5,620	97.95%	68	88.47%	610	5,669	122	5,791	97.89%	65	89.34%
110 C- Ag PCB Bus. Rec.	593	6,500	92	6,592	98.60%	47	92.07%	702	7,745	118	7,863	98.50%	64	90.88%	646	7,082	128	7,210	98.22%	72	88.85%	653	7,308	105	7,413	98.58%	60	90.81%
Records	3,428	50,014	1,204	51,218	97.65%	454	86.76%	3,705	54,160	1,375	55,535	97.52%	522	85.91%	3,363	49,296	1,231	50,527	97.56%	480	85.73%	3,620	52,728	1,203	53,931	97.77%	498	86.24%
Totals	12,737	208,254	4,018	212,272	98.11%	1,515	88.11%	13,294	216,547	4,650	221,197	97.90%	1,540	88.42%	12,170	199,433	3,742	203,175	98.16%	1,365	88.78%	13,348	217,814	3,977	221,791	98.21%	1,518	88.63%
Structural																												
Fumigation	2,457	62,551	190	62,741	99.70%	139	94.34%	3,023	76,874	195	77,069	99.75%	152	94.97%	2,665	65,681	187	65,868	99.72%	135	94.93%	2,886	72,359	225	72,584	99.69%	159	94.49%
Non-Fumigation Application	961	17,520	187	17,707	98.94%	102	89.39%	953	17,381	228	17,609	98.71%	130	86.36%	907	16,477	213	16,690	98.72%	125	86.22%	980	17,731	286	18,017	98.41%	159	83.78%
Non Fumigation Mix Load	166	2,196	19	2,215	99.14%	14	91.57%	233	3,501	19	3,520	99.46%	13	94.42%	202	2,605	22	2,627	99.16%	14	93.07%	234	3,296	32	3,328	99.04%	20	91.45%
110B -Structural Emp. Rec	548	4,514	157	4,671	96.64%	83	84.85%	491	4,304	98	4,402	97.77%	51	89.61%	461	3,905	116	4,021	97.12%	67	85.47%	460	4,203	115	4,318	97.34%	49	89.35%
110D-Structural Bus. Rec.	724	8,095	110	8,205	98.66%	89	87.71%	713	8,147	108	8,255	98.69%	82	88.50%	658	7,532	138	7,670	98.20%	98	85.11%	597	6,846	119	6,965	98.29%	87	85.43%
Records	1,272	12,609	267	12,876	97.93%	172	86.48%	1,204	12,451	206	12,657	98.37%	133	88.95%	1,119	11,437	254	11,691	97.83%	165	85.25%	1,057	11,049	234	11,283	97.93%	136	87.13%
Totals	4,856	94,876	663	95,539	99.31%	427	91.21%	5,413	110,207	648	110,855	99.42%	428	92.09%	4,893	96,200	676	96,876	99.30%	439	91.03%	5,157	104,435	777	105,212	99.26%	474	90.81%
Overall Totals	17,593	303,130	4,681	307,811	98.48%	1,942	88.96%	18,707	326,754	5,298	332,052	98.40%	1,968	89.48%	17,063	295,633	4,418	300,051	98.53%	1,804	89.43%	18,505	322,249	4,754	327,003	98.55%	1,992	89.24%

Source: DPR Enforcement Inspection Tracking Database (queried March 2017).

California Closed Compliance and Enforcement Actions

Compliance Actions	2012	2013	2014	2015
A. Warning Letters / Violation Notices	2,897	2,778	3,382	2,882
B. Cease and Desist Orders	257	239	219	243
C. Documented Compliance Interviews	30	50	45	50
Total Number of Compliance Actions	3,184	3,067	3,646	3,175
Licensed Work Hours	10,733	10,711	12,065	10,726

Enforcement Actions	2012	2013	2014	2015
A. Administrative Action: (1-5)				
1. Restricted Material permit	2	21	6	4
2. Private Applicator Certifications	0	1	0	0
3 County Registrations	0	0	12	1
4. Structural Civil Penalties	383	298	378	494
5. Agricultural Civil Penalties	553	712	743	693
B. Judicial Actions: (1-4)				
1. Notice to Appear (Citations)	0	0	1	1
2. Cases Submitted to DA	2	2	5	8
3. Civil Complaints filed	0	0	2	1
4. Criminal Complaints filed	0	0	11	0
C. Referrals to DPR	1	1	1	0
Total Number of Enforcement Actions	941	1,035	1,159	1,202
Licensed Work Hours	9,674.49	11,734.50	13,297.2	12,494.9

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

Source: DPR Pesticide Activities Monthly Report Database (queried March 2017)

California

Top 10 Agricultural Inspection Violations

Criteria Evaluated	2012 Criteria Evaluated			2013 Criteria Evaluated			2014 Criteria Evaluated			2015 Criteria Evaluated			Overall 2012-2015 Criteria Evaluated			
	Met	Not Met	Total	Met	Not Met	Total	Percent Compliance									
Follows Labeling and/or Permit Conditions	20,767	466	21,233	21,428	440	21,868	19,329	404	19,733	21,218	434	21,652	82,742	1,744	84,486	97.73%
Regulations-Personal Protective Equipment	8,935	386	9,321	9,489	373	9,862	8,769	342	9,111	9,653	367	10,020	36,846	1,468	38,314	98.01%
Respiratory Protection	7,803	273	8,076	7,878	386	8,264	7,665	321	7,986	8,310	295	8,605	66	0	66	97.41%
Handler Training	11,863	274	12,137	12,703	388	13,091	11,801	274	12,075	12,738	311	13,049	20	0	20	99.41%
Emergency Medical Care, Posting	7,418	269	7,687	7,849	341	8,190	7,348	271	7,619	8,052	312	8,364	30,667	1,193	31,860	92.39%
Handler Decontamination facilities	10,351	263	10,614	10,741	244	10,985	10,155	210	10,365	10,939	250	11,189	34	0	34	96.78%
Pest Control Business / Equipment Registered	7,726	238	7,964	8,118	329	8,447	7,335	225	7,560	7,788	202	7,990	30,967	994	31,961	98.81%
Service Container Labeling	2,642	192	2,834	3,231	252	3,483	2,667	164	2,831	2,858	191	3,049	11,398	799	12,197	94.68%
Labeling Available at Use Site	7,916	183	8,099	8,232	190	8,422	7,571	141	7,712	8,279	165	8,444	31,998	679	32,677	94.50%
Hazard Communication / Field Workers	1,715	118	1,833	1,782	99	1,881	1,595	106	1,701	1,768	156	1,924	6,860	479	7,339	98.28%

Top 10 Structural Inspection Violations

Criteria Evaluated	2012 Criteria Evaluated			2013 Criteria Evaluated			2014 Criteria Evaluated			2015 Criteria Evaluated			Overall 2012-2015 Criteria Evaluated			
	Met	Not Met	Total	Met	Not Met	Total	Percent Compliance									
Respiratory Protection	3,319	122	3,441	3,476	67	3,543	3,042	76	3,118	3,403	84	3,487	13,240	349	13,589	97.43%
Regulations-Personal Protective Equipment	2,643	70	2,713	2,955	59	3,014	2,607	67	2,674	2,937	80	3,017	11,142	276	11,418	97.58%
Follows Labeling and/or Permit Conditions	7,925	70	7,995	9,511	84	9,595	8,296	95	8,391	9,154	119	9,273	66	0	66	100.00%
Service Container Labeling	1,489	38	1,527	1,552	55	1,607	1,388	50	1,438	1,481	75	1,556	20	0	20	100.00%
Fumigation - Written Notice to Occupant	3,297	52	3,349	3,540	46	3,586	3,027	57	3,084	3,216	49	3,265	13,080	204	13,284	98.46%
Emergency Medical Care, Posting	3,415	31	3,446	3,935	47	3,982	3,515	42	3,557	3,816	55	3,871	34	0	34	100.00%
Registered in County / 24 Hour Notice (Fume)	6,700	22	6,722	7,852	31	7,883	6,983	29	7,012	7,496	43	7,539	29,031	125	29,156	99.57%
Monthly PUR Submitted	695	22	717	674	35	709	614	42	656	560	36	596	2,543	135	2,678	94.96%
Handler Training	3,927	32	3,959	4,359	30	4,389	3,810	34	3,844	4,187	36	4,223	16,283	132	16,415	99.20%
Standards and Records Requirements	1,000	17	1,017	980	12	992	883	17	900	778	14	792	3,641	60	3,701	98.38%

Source: DPR Enforcement Inspection Tracking Database (queried March 2017)