

# **2002 STATUS REPORT PESTICIDE CONTAMINATION PREVENTION ACT**

A Report to the Legislature,  
Office of Environmental Health  
Hazard Assessment, and  
State Water Resources Control Board



California Environmental Protection Agency  
DEPARTMENT OF PESTICIDE REGULATION

December 2002

EH02-06

**California Department of Pesticide Regulation**

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**2002 Status Report  
Pesticide Contamination  
Prevention Act**

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## **EXECUTIVE SUMMARY**

### **PURPOSE**

The provisions of Food and Agricultural Code (FAC) section 13144(b) require the Department of Pesticide Regulation (DPR) to annually report to the Legislature, the Office of Environmental Health Hazard Assessment, and the State Water Resources Control Board, information regarding the status of the ground water protection data call-in of pesticidal active ingredients registered for agricultural use, the pesticide active ingredients with data exceeding specific numerical values (SNVs), and sales and use information. The ground water protection data for each active ingredient include information on certain physical and chemical properties and environmental fate. Active ingredients with properties that exceed the SNVs established by DPR are considered to have the potential to contaminate ground water. Active ingredients exceeding the SNV criteria are listed with the information on the reported sale and use in California.

### **BACKGROUND**

The Pesticide Contamination Prevention Act (PCPA) of 1985 established a set of data requirements for identifying and tracking potential and actual ground water contaminants. The PCPA directed DPR to establish SNVs and compare the data as a basis to estimate their relative risk to ground water and to undertake a process to determine whether they have contaminated ground water. The PCPA establishes procedures for reviewing chemicals found in ground water or in soil as a result of legal agricultural use and for modifying or canceling use of such chemicals.

Under the data call-in provisions of the PCPA, California registrants of agricultural use pesticides must provide DPR with data on physical and chemical properties and environmental fate of the active ingredients in their products. Based on this information, DPR identified active ingredients with data that meet or exceed the SNVs for water solubility, soil adsorption, hydrolysis half-life, aerobic soil metabolism half-life, and anaerobic soil metabolism half-life. Since the enactment of the PCPA, the ability to establish an SNV for field dissipation could not be scientifically determined.

Active ingredients that meet or exceed criteria for SNVs and are labeled for agricultural use are

placed on the Groundwater Protection List found in Title 3 of the California Code of Regulations. The Groundwater Protection List consists of two sublists. One sublist consists of chemicals that meet the conditions specified in FAC section 13145(d). These chemicals must also have pesticide product labels that allow application by chemigation or by application to, or injection into, the soil or that the application be followed by flood or furrow irrigation within 72 hours. This list is used to determine the pesticides to sample for their presence in ground water. The second sublist consists of chemicals that have been detected in ground water or soil in California pursuant to FAC section 13149. DPR takes immediate regulatory measures for these chemicals under the PCPA.

## **REPORT SUMMARY**

This report complies with the requirements of FAC section 13144(b). A total of 524 active ingredients were identified in 1986 as being registered for agricultural use. However, 377 compounds are not subject to the data call-in for one or more of the following reasons: they are used indoors; they are used in ways that would not result in contact with the soil; they are applied in amounts below limits of detection; they occur naturally in soil; or they are no longer registered for agricultural use in California. Acceptable data is on file with DPR for the remaining 147 pesticidal active ingredients subject to the data call-in.

The report also lists the six new active ingredients that met or exceeded the SNVs and were recently registered for use in California. These chemicals join the listing of the 136 active ingredients meeting or exceeding the SNVs that were previously registered for use in California. The mean physicochemical properties relating to the SNVs are also given in the report. Information comprising of California sales of these active ingredients, a description of their use, and countywide applications are also specified.

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## **REPORT REQUIREMENTS PURSUANT TO THE PESTICIDE CONTAMINATION PREVENTION ACT**

The Pesticide Contamination Prevention Act of 1985 requires that the Department of Pesticide Regulation (DPR) provide the following information for each economic poison registered for agricultural use. The information is provided to the Legislature, the Office of Environmental Health Hazard Assessment, and the State Water Resources Control Board.

1. A list of each active ingredient, other specified ingredient, or degradation product of an active ingredient of an economic poison for which there is a ground water protection gap.
  
2. A list of each economic poison that contains an active ingredient, other specified ingredient, or degradation product of an active ingredient that is greater than one or more of the numerical values established pursuant to the Act or is less than the numerical value in the case of the soil adsorption coefficient in both of the following categories:
  - (a) Water solubility or soil adsorption coefficient ( $K_{oc}$ ); and
  - (b) Hydrolysis, aerobic soil metabolism, anaerobic soil metabolism, or field dissipation.
  
3. Provide for each economic poison listed pursuant to number 2 (if information is available), the amount sold in California during the most recent year (for which sales information is available), where and for what purpose the economic poison was used, and when this information is available in the Pesticide Use Report.

The information is presented in two sections: 1) "Status of the Ground Water Protection Data Call-in", 2) "Report on Economic Poisons Exceeding Specific Numerical Values Pursuant to the Pesticide Contamination Prevention Act," which lists the properties of pesticides associated with leaching potential and the specific numerical values established by DPR.

## STATUS OF THE GROUND WATER PROTECTION DATA CALL-IN

A. Total active ingredients for possible data call-in: **524**  
(This list was established in 1986.)

This number is reduced by active ingredients not subject to data requirements.

Active ingredients no longer registered:	152
Active ingredients on which data are not required at this time <sup>1</sup> :	225
	<u>377</u>

The number of active ingredients subject to the data call-in:  
**147**

B. Status of the active ingredients subject to the data call-in.

Adequate studies on file:	147
	<hr/>
Inadequate or pending studies:	0

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<sup>1</sup>Products are not registered for agriculture use, or are registered for uses for which data are not currently required such as indoor use or animal ear tags.



## ACTIVE INGREDIENTS EXCEEDING THE SPECIFIC NUMERICAL VALUES

This report evaluates the potential of pesticide active ingredients to leach to ground water. Section 13144 (a) of the Pesticide Contamination Prevention Act of 1985 (PCPA, Stats. 1985, Ch. 1298, section 1) requires the Department of Pesticide Regulation (DPR) to establish thresholds known as specific numerical values (SNVs) for six physicochemical characteristics of environmental fate: water solubility, soil adsorption coefficient ( $K_{oc}$ ), hydrolysis half-life, aerobic and anaerobic soil metabolism half-lives, and field dissipation half-life. These parameters are presumed by the PCPA to correlate with the potential of a pesticide to leach to ground water. Water solubility and  $K_{oc}$  are considered indicators of the mobility of an active ingredient within the soil, while the half-lives for hydrolysis, aerobic and anaerobic soil metabolism and field dissipation are considered indicators of the persistence of the chemical in the soil.

Statistical comparison procedures were used to calculate the SNVs. Based on nationwide ground water studies, a list of pesticide active ingredients was created and separated into two groups: 1) chemicals that had been detected in ground water as a result of legal agricultural use (leachers), and 2) chemicals that had been sampled for and not found in ground water as a result of legal agricultural use (non-leachers). Estimates of the physicochemical parameter values for the chemicals in each group were determined from data available in the open literature and from DPR-approved studies submitted by pesticide registrants in fulfillment of the data call-in requirements in PCPA section 13143. The data for each of the parameter values were tested for their usefulness in discriminating between leachers and non-leachers by determining whether the means of the two groups were significantly different. The tests showed that the means of the data for water solubility, hydrolysis half-life,  $K_{oc}$ , and the anaerobic soil metabolism half-life for chemicals identified as leachers were significantly different from the means of chemicals identified as non-leachers. The SNVs for these properties were established as those values that would identify as leachers 90 percent of the chemicals found in ground water due to agricultural use (Wilkerson and Kim, 1986). The means of the two groups for aerobic soil metabolism, however, were not significantly different. Because the PCPA requires DPR to establish an SNV for each physicochemical property, the SNV for the aerobic soil metabolism half-life was set at a value that minimized its importance in the discrimination procedure. The SNVs established by DPR are reevaluated periodically to incorporate new data into the calculations. Details on revisions to the SNVs can be found in subsequent reports (Johnson, 1991; Johnson, 1989; Johnson, 1988). The SNVs currently in regulation (Titles 3 and 26, California Code of Regulations, section 6804) are:

(a)	Water solubility	3 ppm
(b)	Soil adsorption coefficient ( $K_{oc}$ )	1900 $cm^3/g$
(c)	Hydrolysis half-life	14 days
(d)	Aerobic soil metabolism half-life	610 days
(e)	Anaerobic soil metabolism half-life	9 days

The SNV for field dissipation half-life has not yet been established. The SNVs are required by PCPA section 13144 to be at least equal to those established by the United States Environmental Protection Agency (U.S. EPA). To date, the U.S. EPA has not established any SNVs.

Pursuant to PCPA section 13144(b), pesticide active ingredients are tested against the SNVs and are placed on a list of candidates as potential leachers if both the mobility and persistence parameter values exceed (or are less than in the case of the  $K_{oc}$ ) the SNV for water solubility or  $K_{oc}$  and the SNV for the hydrolysis or aerobic soil metabolism or anaerobic soil metabolism or field dissipation half-life. If a potential leacher has a pesticide label which requires or recommends the application method to be by application to or injection into the soil or by chemigation or that application is to be followed by flood or furrow irrigation within 72 hours, then the chemical is placed on the Groundwater Protection List (FAC section 6800 (b)). Table 1 is a list of candidate potential leachers that are contained in currently registered economic poisons and their respective mean physicochemical parameter values.

There are six new active ingredients on the 2002 list compared to the 2001 list:

acetamiprid  
bensulfuron methyl  
dimethomorph  
imazamox, ammonium salt  
thiamethoxam  
tralkoxydim

Acetamiprid and thiamethoxam are insecticides. Dimethomorph is a fungicide. Bensulfuron methyl, imazamox, and tralkoxydim are herbicides.

The following active ingredients exceeded the SNVs, but because they are not used in economic poisons currently registered for use in California (registration status as of October 1, 2002), they have not been included in Table 1:

2,4-D, alkanolamine salts (ethanol and isopropanol amines)

2,4-D, diethylamine salt

2,4-D, n-oleyl-1,3-propylenediamine salt

2,4-D, octyl ester

2,4-D, propylene glycol butyl ether ester

2,4-D, triethylamine salt

Ametryne

Amitrole

Anilazine

Azafenidin

Bromoxynil butyrate

Dicamba, diethanolamine salt

Dichlorprop-p

Dicrotophos

Diethatyl-ethyl

Diphenamid

Dodecyl ammonium methanearsonate

Dodemorph acetate

Endothall, disodium salt

Fensulfothion

Fluometuron

Fonofos

Halofenozide

Hymexazol

Isazophos

MCPP, diethanolamine salt

Methoxyfenozide

Metolachlor

Metsulfuron-methyl

Mevinphos

Naptalam, sodium salt

Octylammonium methanearsonate  
Parathion  
Phosalone  
Phosphamidon  
Picloram, potassium salt  
Sulprofos  
Terbacil  
Terbutryn  
Thifensulfuron-methyl  
Triallate  
Vernolate  
Zoxamide\*

\* New to list this year, but not registered for use in California

PCPA section 13144(b) also requires DPR to provide, for each active ingredient in Table 1, a list of the amount sold in California, and a list of where and for what purpose the economic poison was used. The 2001 pesticide sales data are shown in Table 2. Information on the active ingredients and their modes of action can be found in Table 3. The 2001 Pesticide Use Reporting, the most recent and complete set of data available, are found in Table 4.

Table 1. Active ingredients exceeding the specific numerical values (SNVs) and their respective mean physicochemical property values (2002 Report).

Active Ingredient	Solubility	K <sub>oc</sub>	Aerobic	Anaerobic	Hydrolysis
	(ppm)	(cm <sup>3</sup> /g)	Metabolism	Metabolism	
	SNV > 3	SNV < 1,900	(days) SNV > 610	(days) SNV > 9	
2,4-D	27,644	45	34	333	39 <sup>a</sup>
2,4-D, butoxyethanol and isooctyl esters	NA <sup>b</sup>	45	34	333	1
2,4-D, diethanolamine salt	656,750	45	34	333	39 <sup>a</sup>
2,4-D, isooctyl ester	NA	45	34	333	1
4(2,4-DB), dimethylamine salt	742,000	191	24	269	35
Acephate	818,000	3	3	6	169
Acetamiprid <sup>c</sup>	NA	260	10	330	35 <sup>a</sup>
Acibenzolar-s-methyl	NA	1100	4	50	76
Alachlor	200	131	20	5	30 <sup>a</sup>
Aldicarb	5870	239	2	2	28 <sup>a</sup>
Atrazine	32	93	146	159	30 <sup>a</sup>
Azinphos methyl	28	882	44	68	19
Azoxystrobin	6	581	112	119	31 <sup>a</sup>
Bensulfuron methyl <sup>c</sup>	35	332	75	168	103
Bensulide	6	16,583	432	1,890	220
Bentazon, sodium salt	530	116	40	365	30 <sup>a</sup>
Bromacil	929	17	346	72	30 <sup>a</sup>
Butylate	44	397	70	64	533
Cacodylic acid	2,570,000	2,660	NA	365	35 <sup>a</sup>
Calcium acid methanearsonate	1,040,000	1,676	269	NA	35
Carbaryl	116	326	6	87	12
Carbofuran	351	NA	22	20	18
Chloropicrin	2,000	25	3	NA	191 <sup>a</sup>
Chlorothalonil	1	1,787	35	8	49 <sup>a</sup>
Chlorsulfuron	28,296	35	28	162	1,230
Clethodim	6,634	116	3	191	30 <sup>a</sup>
Clopyralid	NA	5	152	365	30 <sup>a</sup>
Cyanazine	155	188	15	108	3,680

Active Ingredient	Solubility	K <sub>oc</sub>	Aerobic	Anaerobic	Hydrolysis
	(ppm)	(cm <sup>3</sup> /g)	Metabolism	Metabolism	
	SNV > 3	SNV < 1,900	(days) SNV > 610	(days) SNV > 9	
Cycloate	95	12,941	43	109	30 <sup>a</sup>
Cyprodinil	16	1,470	126	183	32 <sup>a</sup>
Cyromazine	13,600	756	63	97	28 <sup>a</sup>
Dazomet	3,630	NA	0.75	14	0.15
Diazinon	60	1,581	40	16	138
Dicamba	27,200	5	10	88	30 <sup>a</sup>
Dicamba, Dimethylamine salt	NA	5	10	88	30 <sup>a</sup>
Dichlobenil	21	0.06	NA	NA	1,810
Dicloran	6	804	549	66	72 <sup>a</sup>
Difenzoquat methyl sulfate	817,000	74,086	1,605	6,810	NA
Diflufenzopyr, sodium salt	NA	292	55	164	NA
Dimethipin	4,600	11	NA	1,279	60 <sup>a</sup>
Dimethoate	39,800	11	2	22	68
Dimethomorph <sup>c</sup>	NA	1360	NA	26	NA
Diquat dibromide	677,000	352,898	3,450	1,060	30 <sup>a</sup>
Disulfoton	12	522	9	NA	177
Dithiopyr	1	1,043	871	21,700	NA
Diuron	36	499	372	995	1,285
Dodine	1,040	2,570,000	7.38	365	914
DSMA	1,040,000	1,676	269	NA	35
Endothall, dipotassium salt	NA	750	8	8	36 <sup>a</sup>
EPTC	345	170	42	65	30 <sup>a</sup>
Ethofumesate	50	150	93	NA	2,900
Ethoprop	843	161	34	130	449
Fenamiphos	482	341	23	88	301
Fenarimol	15	757	1,100	1,622	28
Fenhexamid	150	853	1	97	30 <sup>a</sup>
Fenoxycarb	6	1,540	84	136	3140
Fenthion	4	1,870	NA	NA	41
Fipronil	22	749	366	123	30 <sup>a</sup>
Fluazifop-butyl	1	1,772	1	3	30 <sup>a</sup>

Active Ingredient	Solubility	K <sub>oc</sub>	Aerobic	Anaerobic	Hydrolysis
	(ppm)	(cm <sup>3</sup> /g)	Metabolism	Metabolism	
	SNV > 3	SNV < 1,900	(days) SNV > 610	(days) SNV > 9	
Fludioxonil	NA	1,614	NA	365	30 <sup>a</sup>
Flurprimidol	127	314	NA	3,620	153,000
Flutolanil	NA	905	NA	NA	30 <sup>a</sup>
Formetanate hydrochloride	822,000	371	8	15	0.96
Fosetyl-Al, technical	136,000	325	0.04	2	30 <sup>a</sup>
Glufosinate-ammonium	NA	785	20	NA	30 <sup>a</sup>
Glyphosate, isopropylamine salt	11,600	6,922	96	22	35 <sup>a</sup>
Glyphosate-trimesium	3,310,000	24,750	6	52	796
Halosulfuron	1,650	124	51	23	14
Hexazinone	29,800	640	222	232	56 <sup>a</sup>
Imazamox, ammonium salt <sup>c</sup>	NA	58	134	213	30 <sup>a</sup>
Imazethapyr	351	53	2,412	568	NA
Imidacloprid	514	262	997	27	30 <sup>a</sup>
Iprodione	12	NA	64	32	5
Isoxaben	2	351	205	NA	1,270
Kresoxim-methyl	NA	437	2	1	34
Linuron	77	341	22	102	262
Malathion	125	291	2	30	6
MCPA, dimethylamine salt	1,469,000	34	24	1,872	30 <sup>a</sup>
MCPP acid (mecoprop, MCPPA)	734	26	13	541	31
MCPP, dimethylamine salt	1,060,000	26	13	541	31
MCPP, potassium salt	1,060,000	26	13	541	31
Mecoprop-p	NA	119	20	NA	30 <sup>a</sup>
Mepiquat chloride	500,000	NA	39	359	NA
Metalaxyl	8,405	163	62	68	1,000
Metaldehyde	190	34	67	223	6,150
Methamidophos	1,200,000	8	0.58	NA	21
Methidathion	221	341	3	NA	26
Methiocarb	27	655	64	64	24
Methomyl	54,700	43	46	1	30 <sup>a</sup>
Methyl isothiocyanate	8,230	NA	NA	NA	20

Active Ingredient	Solubility	K <sub>oc</sub>	Aerobic	Anaerobic	Hydrolysis
	(ppm)	(cm <sup>3</sup> /g)	Metabolism	Metabolism	
	SNV > 3	SNV < 1,900	(days) SNV > 610	(days) SNV > 9	
Methyl parathion	70	476	12	1	45
Metiram	NA	913	0.52	14	1,070
Metribuzin	1,032	106	140	276	4,760
Molinate	970	199	NA	105	1,560
MSMA	1,040,000	1,676	269	NA	35 <sup>a</sup>
Napropamide	74	726	455	51	35 <sup>a</sup>
Nicosulfuron	18,486	36	26	63	30 <sup>a</sup>
Nitrapyrin	72	333	30	59	8
Norflurazon	34	617	172	348	2,650
Oryzalin	3	848	63	10	28 <sup>a</sup>
Oxydemeton-methyl	NA	30	6	4	40
Paraquat dichloride	626,000	NA	620	644	30 <sup>a</sup>
Pebulate	100	457	108	257	234
Phenmedipham	6	NA	54	47	0.61
Phorate	29	657	3	14	3
Phosmet	20	5,807	7	27	0.38
Piperalin	20	23,609	NA	NA	16
Piperonyl butoxide, technical	14	1,805	79	927	250
Profenofos	28	2,011	2	3	43
Prohexadione calcium	NA	570	NA	NA	65
Prometon	718	124	459	61	1,125
Prometryn	33	277	274	316	28 <sup>a</sup>
Propanil	152	518	2	3	5,000
Propiconazole	100	656	71	211	NA
Propyzamide	13	889	392	762	42 <sup>a</sup>
Pymetrozine	NA	1,100	491	90.5	30 <sup>a</sup>
Pyrazon	380	13,781	124	488	NA
Pyridate	1	55	39	30	1
Pyrithiobac sodium	NA	14	60	128	35 <sup>a</sup>
Quinclorac	NA	37	211	364	30 <sup>a</sup>
Rimsulfuron	3,750	49	21	18	7



<b>Active Ingredient</b>	<b>Solubility</b>	<b>K<sub>oc</sub></b>	<b>Aerobic</b>	<b>Anaerobic</b>	<b>Hydrolysis</b>
	<b>(ppm)</b>	<b>(cm<sup>3</sup>/g)</b>	<b>Metabolism</b>	<b>Metabolism</b>	
	<b>SNV &gt; 3</b>	<b>SNV &lt; 1,900</b>	<b>(days)</b>	<b>(days)</b>	<b>(days)</b>
			<b>SNV &gt; 610</b>	<b>SNV &gt; 9</b>	<b>SNV &gt; 14</b>
(S)-metolachlor	493	190	26	61	200
Sethoxydim	6,949	47	6	25	47
Siduron	NA	201	895	3,770	30 <sup>a</sup>
Simazine	6	340	110	71	28 <sup>a</sup>
Sulfometuron-methyl	4,250	89	52	116	30 <sup>a</sup>
Tebuconazole	NA	1,000	597	1,260	28 <sup>a</sup>
Tebufenozide	1	605	405	179	30 <sup>a</sup>
Tebuthiuron	2,600	90	1,220	1,520	395 <sup>a</sup>
Thiamethoxam <sup>c</sup>	NA	64	229	NA	6080
Thiazopyr	2	204	274	338	30 <sup>a</sup>
Thiobencarb	28	530	37	306	160 <sup>a</sup>
Thiophanate-methyl	25	225	1	2	41
Tralkoxydim <sup>c</sup>	NA	131	5	NA	112
Triadimefon	64	365	6	23	1,760
Triclopyr, butoxyethyl ester	7	62	13	26	7
Triclopyr, triethylamine salts	NA	62	13	1,600	NA
Triflumizole	18	1,244	23	67	116
Triflurosulfuron-methyl	2,816	61	89	22	32 <sup>a</sup>
Trinexapac-ethyl	11,367	440	0.2	13	456
Uniconazole-P	8	NA	332	NA	30 <sup>a</sup>
Vinclozolin	3	260	28	15	1

a - No hydrolysis occurred during the study. The hydrolysis half-life is greater than the value listed, which is the length of the study.

b - Not available.

c - New active ingredient in the 2002 PCPA Status Report; these active ingredients were not listed in the 2001 report.

Table 2. Sales during 2001 of active ingredients that have exceeded the specific numerical values (2002 Report).

<b>Active Ingredient</b>	<b>Pounds Sold<sup>a</sup></b>
2,4-D	233,751
2,4-D, Butoxyethanol Ester	1,042
2,4-D, Diethanolamine Salt	26,761
2,4-D, Isooctyl Ester	9,299
4(2,4-Db), Dimethylamine Salt	42,345
Acephate	277,394
Acibenzolar-S-Methyl	CI <sup>b</sup>
Alachlor	CI
Aldicarb	CI
Atrazine	76,097
Azinphos Methyl	211,980
Azoxystrobin	CI
Bensulfuron Methyl	CI
Bensulide	221,077
Bentazon, Sodium Salt	CI
Bromacil	77,504
Butylate	26,310
Cacodylic Acid	5,186
Calcium Acid Methanearsonate	22,224
Carbaryl	408,783
Carbofuran	CI
Chloropicrin	4,619,996
Chlorothalonil	1,469,075
Chlorsulfuron	CI
Clethodim	CI
Clopyralid	CI
Cyanazine	NS <sup>c</sup>
Cycloate	CI
Cyprodinil	CI
Cyromazine	CI
Dazomet	108,368
Diazinon	1,354,376
Dicamba	6,145
Dicamba, Dimethylamine Salt	96,490
Dichlobenil	15,679
Dicloran	126,492
Difenzoquat Methyl Sulfate	CI
Dimethipin	CI
Dimethoate	351,169
Dimethomorph	NS
Diquat Dibromide	134,609
Disulfoton	89,911
Dithiopyr	7,980
Diuron	2,294,068
Dodine	NS
DSMA	57

<b>Active Ingredient</b>	<b>Pounds Sold<sup>a</sup></b>
Endothall, Dipotassium Salt	CI
EPTC	497,252
Ethofumesate	9,553
Ethoprop	19,977
Fenamiphos	CI
Fenarimol	7,441
Fenhexamid	CI
Fenoxycarb	75
Fenthion	NS
Fipronil	18,902
Fludioxonil	CI
Flurprimidol	NS
Flutolanil	13,649
Formetanate Hydrochloride	4,117
Fosetyl-Al	344,337
Glufosinate-Ammonium	4,672
Glyphosate, Isopropylamine Sal	11,014,068
Glyphosate-Trimesium	CI
Halosulfuron	CI
Hexazinone	CI
Imazethapyr	CI
Imidacloprid	155,746
Iprodione	221,608
Isoxaben	19,462
Kresoxim-Methyl	CI
Linuron	106,220
Malathion	1,116,011
MCPA, Dimethylamine Salt	82,833
MCPP	189,611
MCPP, Dimethylamine Salt	288,325
MCPP, Potassium Salt	6,659
Mecoprop-P	NS
Mepiquat Chloride	24,809
Metalaxyl	1,109
Metaldehyde	368,536
Methamidophos	92,038
Methidathion	CI
Methiocarb	3,918
Methomyl	389,917
Methyl Isothiocyanate	NS
Methyl Parathion	77,605
Metiram	NS
Metribuzin	32,159
Molinate	CI
MSMA	531,183
Napropamide	156,076
Nicosulfuron	CI
Nitrapyrin	NS

<b>Active Ingredient</b>	<b>Pounds Sold<sup>a</sup></b>
Norflurazon	CI
Oryzalin	33,284
Oxydemeton-Methyl	104,662
Paraquat Dichloride	1,107,257
Pebulate	CI
Phenmedipham	5,547
Phorate	121,681
Phosmet	616,657
Piperalin	CI
Piperonyl Butoxide	114,003
Profenofos	CI
Prohexadione Calcium	CI
Prometon	4,966
Prometryn	378,825
Propanil	1,500,076
Propiconazole	18,379
Propyzamide	CI
Pymetrozine	CI
Pyrazon	CI
Pyridate	CI
Pyrithiobac-Sodium	CI
Rimsulfuron	CI
Sethoxydim	CI
Siduron	9,816
Simazine	1,033,819
Sulfometuron Methyl	CI
Tebuconazole	123,447
Tebufenozide	CI
Tebuthiuron	10,917
Thiazopyr	CI
Thiobencarb	1,139,287
Thiophanate-Methyl	91,151
Tralkoxydim	NS
Triadimefon	3,294
Triclopyr, Butoxyethyl Ester	109,907
Triclopyr, Triethylamine Salt	119,889
Triflumizole	CI
Triflurosulfuron-Methyl	CI
Trinexapac-Ethyl	CI
Uniconazole-P	CI
Vinclozolin	31,205

a - Sales data derived from DRP sales database for year 2001.

b - Confidential information. Three or less registrants for this active ingredient.

c - No sales reported for this active ingredient during 2001.

Table 3. Use of active ingredients that have exceeded the specific numerical values (2002 report)<sup>a</sup>.

Active Ingredient	Use	Description
2,4-D	Herbicide	Hormone type
2,4-D, butoxyethanol and isooctyl esters	Herbicide	Hormone type
2,4-D, diethanolamine salt	Herbicide	Hormone type
2,4-D, isooctyl ester	Herbicide	Hormone type
4(2,4-DB), dimethylamine salts	Herbicide	Selective, postemergent
Acephate	Insecticide	Contact, systemic
Acetamiprid	Insecticide	Systemic
Acibenzolar-s-methyl	Fungicide	Selective, systemic
Alachlor	Herbicide	Pre-emergent
Aldicarb	Insecticide/ acaricide	Systemic
Atrazine	Herbicide	Selective, residual
Azinphos-methyl	Insecticide	Contact, non-systemic
Azoxystrobin	Fungicide	Foliar
Bensulfuron methyl	Herbicide	Selective
Bensulide	Herbicide	Selective, pre-emergent
Bentazon, sodium salt	Herbicide	Selective, pre-emergent
Bromacil	Herbicide	Pre-emergent
Butylate	Herbicide	Selective, preplant
Cacodylic acid	Herbicide/ silvicide	Harvest aid
Calcium acid methanearsonate	Herbicide	Selective
Carbaryl	Insecticide	Broad spectrum
Carbofuran	Insecticide/ acaricide/ nematocide	Soil, foliar
Chloropicrin	Warning agent/ fumigant	Space, commodity, soil
Chlorothalonil	Herbicide	Broad spectrum, protectant
Chlorsulfuron	Herbicide	Selective
Clethodim	Herbicide	Systemic, postemergent
Clopyralid	Herbicide	Selective, postemergent
Cyanazine	Herbicide	Selective
Cycloate	Herbicide	Selective, preplant
Cyprodinil	Fungicide	Systemic
Cyromazine	Insecticide	Growth regulator
Dazomet	Fungicide/ nematocide/ herbicide/ slimicide	Preplant
Diazinon	Insecticide/ nematocide	Soil/foliar/seed

<b>Active Ingredient</b>	<b>Use</b>	<b>Description</b>
Dicamba	Herbicide	Selective, systemic
Dicamba, dimethylamine salt	Herbicide	Selective, systemic
Dichlobenil	Herbicide	Selective, cellulose
Dicloran	Fungicide	Pre-, postharvest
Difenzoquat methyl sulfate	Herbicide	Selective, postemergent
Diflufenzopyr, sodium salt	Herbicide	Selective, postemergent
Dimethipin	Plant growth regulator	Systemic
Dimethoate	Insecticide/ acaricide	Systemic
Dimethomorph	Fungicide	Selective, postemergent
Diquat dibromide	Desiccant/ herbicide	Contact
Disulfoton	Insecticide/ acaricide	Systemic
Dithiopyr	Herbicide	Pre-, postemergent
Diuron	Herbicide	Selective, general
Dodine	Fungicide	Systemic, preventative, foliar
DSMA	Herbicide	Selective, postemergent
Endothall, dipotassium salt	Herbicide/ algicide/ growth regulator	Pre-, postemergent
EPTC	Herbicide	Selective
Ethofumesate	Herbicide	Selective
Ethoprop	Insecticide/ nematocide	Soil
Fenamiphos	Nematicide	Selective
Fenarimol	Fungicide	Systemic, foliar
Fenhexamid	Fungicide	Systemic, curative, foliar
Fenoxycarb	Insecticide	Growth regulator
Fenthion	Insecticide	Contact
Fipronil	Insecticide	Contact, stomach
Fluazifop-butyl	Herbicide	Selective, postemergent
Fludioxonil	Fungicide	Contact
Flurprimidol	Herbicide	Growth regular
Flutolanil	Fungicide	Systemic
Formetanate hydrochloride	Acaricide/ insecticide	Foliar
Fosetyl-Al, technical	Fungicide	Systemic, preventative
Glufosinate-ammonium	Herbicide	Selective,
Glyphosate, isopropylamine salt	Herbicide	Nonselective, postemergent
Glyphosate-trimesium	Herbicide	Nonselective, postemergent

<b>Active Ingredient</b>	<b>Use</b>	<b>Description</b>
Halosulfuron	Herbicide	Pre-, postemergent
Hexazinone	Herbicide	Contact, residual
Imazamox, ammonium salt	Herbicide	Selective, postemergent
Imazethapyr	Herbicide	Selective, pre-, postemergent
Imidacloprid	Insecticide	Systemic
Iprodione	Fungicide	Contact
Isoxaben	Herbicide	Soil, pre-emergent
Kresoxim-methyl	Fungicide	Non-systemic, preventive, curative, foliar
Linuron	Herbicide	Selective
Malathion	Insecticide	Nonsystemic foliar
MCPA, dimethylamine salt	Herbicide	Hormone-type
MCPP acid (mecoprop, MCPPA)	Herbicide	Systemic
MCPP, dimethylamine salt	Herbicide	Systemic
MCPP, potassium salt	Herbicide	Systemic
Mecoprop-p	Herbicide	Systemic hormone-type
Mepiquat chloride	Bioregulator	Harvest aid
Metalaxyl	Fungicide	Seed treatment, soil, foliar
Metaldehyde	Molluscicide	Contact
Methamidophos	Insecticide/ acaricide	Narrow spectrum
Methidathion	Insecticide/ acaricide	Nonsystemic
Methiocarb	Insecticide/ acaricide	Nonsystemic
Methomyl	Insecticide	Broad spectrum
Methyl isothiocyanate	Fumigant	Soil, preplant
Methyl parathion	Insecticide	Broad spectrum
Metiram	Fungicide	EBDC type, broad spectrum
Metribuzin	Herbicide	Selective, systemic
Molinate	Herbicide	Selective
MSMA	Herbicide	Postemergent
Napropamide	Herbicide	Selective
Nicosulfuron	Herbicide	Selective, systemic
Nitrapyrin	Nitrification inhibitor	Selective
Norflurazon	Herbicide	Selective, preplant
Oryzalin	Herbicide	Selective, pre-emergent
Oxydematon-methyl	Insecticide/ acaricide	Systemic, contact

<b>Active Ingredient</b>	<b>Use</b>	<b>Description</b>
Paraquat dichloride	Desiccant/ herbicide	Contact
Pebulate	Herbicide	Selective, preplant
Phenmedipham	Herbicide	Postemergent
Phorate	Insecticide	Systemic, soil
Phosmet	Insecticide	Broad spectrum
Piperalin	Fungicide	Ornamental
Piperonyl butoxide, technical	Synergist	Use with pyrethroids, pyrethrins
Profenofos	Insecticide/ acaricide	Broad spectrum
Prohexadione calcium	Herbicide	Plant growth regulator
Prometon	Herbicide	Nonselective, pre-, postemergent
Prometryn	Herbicide	Selective, pre-, postemergent
Propanil	Herbicide	Contact, postemergent
Propiconazole	Fungicide	Foliar
Propyzamide	Herbicide	Pre-, postemergent
Pymetrozine	Insecticide	Systemic, contact and stomach, soil or foliar
Pyrazon	Herbicide	Pre-, early postemergent
Pyridate	Herbicide	Selective
Pyrithiobac sodium	Herbicide	Pre-, postemergent
Quinclorac	Herbicide	Selective, pre-, postemergent
Rimsulfuron	Herbicide	Selective, systemic
(S)-metolachlor	Herbicide	Selective, preplant
Sethoxydim	Herbicide	Systemic, postemergent
Siduron	Herbicide	Selective, preemergent
Simazine	Herbicide	Selective
Sulfometuron-methyl	Herbicide	Contact, residual
Tebuconazole	Fungicide	Systemic
Tebufenozide	Insecticide	Systemic
Tebuthiuron	Herbicide	Nonselective
Thiamethoxam	Insecticide	Systemic
Thiazopyr	Herbicide	Selective, preemergent
Thiobencarb	Herbicide	Pre-, postemergent
Thiophanate-methyl	Fungicide	Systemic, broad spectrum
Tralkoxydim	Herbicide	Selective, postemergent
Triademefon	Fungicide	Systemic



<b>Active Ingredient</b>	<b>Use</b>	<b>Description</b>
Triclopyr, butoxyethyl ester	Herbicide	Systemic, postemergent
Triclopyr, triethylamine salts	Herbicide	Systemic, postemergent
Triflumizole	Fungicide	Systemic, broad spectrum
Triflusulfuron-methyl	Herbicide	Growth regulator, soil
Trinexapac-ethyl	Herbicide	Growth regulator, soil
Uniconazole-P	Herbicide	Plant growth regulator
Vinclozolin	Fungicide	Contact, broad spectrum

a - Information derived from:

- i. Farm Chemicals Handbook. 2000. Meister Publishing Co., Willoughby, OH
- ii. Thomson, W.T. 2000. Agricultural Chemicals. Books I to IV, Thomson Publications, Fresno, CA
- iii. Merck Index, 12th edition. 1996. Merck & Co., Inc. Rahway, NJ

Table 4. Pesticide use reported during 2001 for active ingredients exceeding the specific numerical values (2002 Report).

Active Ingredient	County	Pounds Applied
2,4-D	Alameda	20
	Butte	18
	Contra Costa	16
	El Dorado	4
	Fresno	6
	Glenn	9
	Humboldt	21
	Kern	2
	Lassen	38
	Los Angeles	160
	Madera	14
	Marin	16
	Mendocino	4
	Merced	37
	Modoc	169
	Monterey	13
	Napa	1
	Orange	18
	Placer	26
	Plumas	<1
	Riverside	8
	Sacramento	4
	San Benito	15
	San Bernardino	73
	San Diego	46
	San Francisco	<1
	San Joaquin	47
	San Luis Obispo	20
	San Mateo	52
	Santa Barbara	11
	Santa Clara	3
	Santa Cruz	4
	Shasta	155
	Siskiyou	250
	Solano	58
	Sonoma	152
	Stanislaus	69
	Sutter	12
	Tulare	2
	Ventura	181
Yolo	33	
Yuba	<1	
	Total	1,786
2,4-D, Alkanolamine Salts	Alameda	4
	Contra Costa	96

Active Ingredient	County	Pounds Applied
	Glenn	71
	Merced	41
	Orange	128
	San Diego	<1
	San Joaquin	4
	Santa Clara	5
	Solano	61
	Sonoma	233
	Tuolumne	29
	Total	673
2,4-D, Butoxyethanol Ester	Alameda	200
	Butte	2
	Colusa	229
	Del Norte	35
	Glenn	15
	Humboldt	7
	Lassen	66
	Marin	<1
	Merced	40
	Modoc	1,313
	Monterey	4
	Napa	3
	Orange	222
	Placer	11
	Plumas	3
	Riverside	1,503
	Shasta	325
	Siskiyou	794
	Solano	83
	Sonoma	111
	Stanislaus	148
	Sutter	17
	Tulare	29
	Tuolumne	4
	Yolo	99
	Yuba	73
	Total	5,336
2,4-D, Diethanolamine Salt	Amador	29
	Butte	365
	Colusa	42
	Fresno	120
	Glenn	157
	Kern	54
	Madera	259
	Mendocino	3
	Merced	1,662
	Sacramento	98

Active Ingredient	County	Pounds Applied
	San Joaquin	966
	Siskiyou	211
	Solano	58
	Stanislaus	1,398
	Sutter	272
	Tehama	224
	Tulare	558
	Yolo	110
	Yuba	66
	Total	6,652
2,4-D, Isooctyl Ester	Amador	31
	Butte	10
	Contra Costa	26
	El Dorado	1,664
	Fresno	50
	Glenn	135
	Humboldt	3,096
	Lassen	1,115
	Los Angeles	266
	Marin	616
	Mariposa	227
	Merced	1,045
	Modoc	116
	Monterey	347
	Orange	125
	Plumas	14
	Riverside	4,075
	San Benito	451
	San Bernardino	163
	San Francisco	<1
	Santa Barbara	<1
	Shasta	26
	Siskiyou	1,942
	Sonoma	76
	Trinity	52
	Tuolumne	157
	Total	15,828
2,4-D, Triethylamine Salt	Contra Costa	<1
	Fresno	32
	Mendocino	7
	Merced	72
	Orange	50
	San Joaquin	191
	Solano	15
	Stanislaus	241
	Sutter	20
	Tulare	5

Active Ingredient	County	Pounds Applied	
		Total	634
4(2,4-Db), Dimethylamine Salt	Amador		18
	Butte		1,706
	Colusa		14
	Fresno		1,245
	Glenn		930
	Imperial		7,241
	Kern		136
	Kings		2
	Los Angeles		25
	Madera		1,194
	Merced		3,973
	Modoc		249
	Riverside		476
	Sacramento		531
	San Joaquin		1,437
	Shasta		95
	Siskiyou		118
	Solano		2,210
	Stanislaus		500
	Sutter		786
Tulare		1,320	
Yolo		5,767	
	Total		29,974
Acephate	Alameda		371
	Amador		<1
	Butte		380
	Calaveras		<1
	Colusa		1,874
	Contra Costa		253
	Del Norte		37
	El Dorado		14
	Fresno		30,400
	Glenn		651
	Humboldt		80
	Imperial		16,856
	Kern		15,212
	Kings		8,931
	Lake		4
	Lassen		<1
	Los Angeles		3,380
	Madera		1,121
	Marin		70
	Mariposa		5
Mendocino		17	
Merced		6,349	
Modoc		7	

Active Ingredient	County	Pounds Applied
	Monterey	77,633
	Napa	41
	Nevada	6
	Orange	3,114
	Placer	155
	Plumas	5
	Riverside	8,037
	Sacramento	714
	San Benito	7,672
	San Bernardino	665
	San Diego	4,626
	San Francisco	364
	San Joaquin	1,707
	San Luis Obispo	3,915
	San Mateo	852
	Santa Barbara	9,205
	Santa Clara	4,570
	Santa Cruz	3,583
	Shasta	291
	Sierra	1
	Siskiyou	80
	Solano	1,299
	Sonoma	364
	Stanislaus	11,827
	Sutter	3,614
	Tehama	139
	Trinity	<1
	Tulare	1,972
	Tuolumne	<1
	Ventura	11,935
	Yolo	505
	Yuba	6
	Total	244,910
Acibenzolar-S-Methyl	Kern	<1
	Monterey	168
	San Benito	5
	San Luis Obispo	1
	Santa Barbara	44
	Total	218
Alachlor	Butte	341
	Fresno	5,727
	Glenn	617
	Kern	37
	Los Angeles	88
	Monterey	1,709
	Riverside	103
	Sacramento	771

Active Ingredient	County	Pounds Applied
	San Benito	107
	San Diego	4
	Santa Barbara	6,246
	Santa Clara	583
	Solano	852
	Stanislaus	691
	Tulare	890
	Ventura	8,357
	Yolo	2,308
	Total	29,431
Aldicarb	Butte	446
	Colusa	4,147
	Fresno	89,795
	Glenn	537
	Imperial	4,743
	Kern	50,091
	Kings	74,248
	Madera	7,920
	Merced	27,008
	Riverside	1,460
	San Joaquin	95
	San Luis Obispo	1
	Santa Cruz	1
	Stanislaus	5
	Sutter	1,343
Tulare	32,262	
Yolo	4,319	
	Total	298,422
Amitrole	Alameda	<1
	Contra Costa	33
	Monterey	<1
	Total	33
Anilazine	Alameda	<1
	Butte	23
	Colusa	1
	Inyo	
	Orange	58
	Riverside	<1
	San Diego	33
	San Joaquin	<1
	Santa Barbara	110
	Santa Clara	1
	Sonoma	<1
Ventura	891	
	Total	1,093

Active Ingredient	County	Pounds Applied
Atrazine	Alameda	
	Butte	140
	Calaveras	392
	Contra Costa	586
	Del Norte	838
	El Dorado	3,425
	Glenn	593
	Humboldt	1,515
	Imperial	18,523
	Lassen	494
	Los Angeles	9
	Modoc	7,840
	Monterey	68
	Nevada	361
	Placer	1,992
	Plumas	691
	Riverside	237
	Sacramento	8,167
	San Joaquin	2,482
	San Luis Obispo	5
	Santa Clara	3
	Shasta	5,092
	Sierra	195
	Siskiyou	540
	Solano	283
	Stanislaus	10
Sutter	160	
Tuolumne	6,479	
Ventura	35	
Yolo	16	
Yuba	1,700	
	Total	62,872
Azinphos Methyl	Butte	4,022
	Colusa	2,694
	Contra Costa	3,481
	El Dorado	1,151
	Fresno	15,793
	Glenn	2,422
	Kern	69,623
	Kings	6,636
	Lake	4,434
	Los Angeles	60
	Madera	11,545
	Mendocino	1,510
	Merced	1,294
	Monterey	173
	Placer	32
Riverside	2	



Active Ingredient	County	Pounds Applied
	Sacramento	5,490
	San Benito	121
	San Bernardino	4
	San Diego	223
	San Joaquin	5,616
	San Luis Obispo	851
	San Mateo	98
	Santa Barbara	274
	Santa Clara	22
	Santa Cruz	183
	Shasta	7
	Solano	1,361
	Sonoma	57
	Stanislaus	6,719
	Sutter	1,135
	Tehama	1,182
	Tulare	12,383
	Ventura	120
	Yolo	1,487
	Yuba	3,138
	Total	165,340

Azoxystrobin	Alameda	120
	Amador	16
	Butte	5,693
	Calaveras	8
	Colusa	2,320
	Contra Costa	145
	Del Norte	<1
	El Dorado	45
	Fresno	9,741
	Glenn	5,392
	Humboldt	<1
	Imperial	152
	Kern	19,310
	Kings	345
	Lake	69
	Los Angeles	563
	Madera	7,204
	Marin	9
	Mendocino	117
	Merced	7,550
	Modoc	208
	Mono	1
	Monterey	4,203
	Napa	2,152
	Nevada	12
	Orange	606
	Placer	141

Active Ingredient	County	Pounds Applied
	Plumas	2
	Riverside	915
	Sacramento	863
	San Benito	198
	San Bernardino	55
	San Diego	1,060
	San Francisco	10
	San Joaquin	1,053
	San Luis Obispo	1,130
	San Mateo	101
	Santa Barbara	3,469
	Santa Clara	151
	Santa Cruz	81
	Shasta	1
	Siskiyou	543
	Solano	1,048
	Sonoma	1,505
	Stanislaus	7,119
	Sutter	2,491
	Tehama	410
	Tulare	10,332
	Ventura	537
	Yolo	997
	Yuba	237
	Total	100,430
Bensulfuron Methyl	Alameda	40
	Butte	858
	Colusa	264
	Contra Costa	4
	Fresno	21
	Glenn	445
	Merced	126
	Placer	16
	Sacramento	7
	San Joaquin	1
	Stanislaus	3
	Sutter	991
	Yolo	247
	Yuba	59
	Total	3,083
Bensulide	Alameda	387
	Butte	180
	Colusa	22
	Contra Costa	124
	Fresno	5,666
	Imperial	95,169
	Kern	203

Active Ingredient	County	Pounds Applied
	Kings	89
	Los Angeles	663
	Madera	87
	Merced	151
	Monterey	37,659
	Nevada	20
	Orange	9
	Placer	3
	Riverside	14,964
	Sacramento	839
	San Benito	11,996
	San Bernardino	7,916
	San Diego	154
	San Joaquin	176
	San Luis Obispo	1,317
	San Mateo	6
	Santa Barbara	3,324
	Santa Clara	2,878
	Santa Cruz	665
	Shasta	150
	Solano	79
	Sonoma	14
	Stanislaus	3,284
	Sutter	24
	Tehama	52
	Tulare	187
	Tuolumne	31
	Ventura	2,526
	Yolo	86
	Total	191,100
Bentazon, Sodium Salt	Colusa	10
	Imperial	47
	Los Angeles	31
	Orange	4
	Riverside	1
	San Benito	23
	San Joaquin	26
	San Luis Obispo	16
	San Mateo	83
	Santa Barbara	117
	Santa Cruz	4
	Sutter	<1
	Ventura	31
	Total	393
Bromacil	Alameda	501
	Amador	32
	Butte	106

Active Ingredient	County	Pounds Applied
	Calaveras	7
	Colusa	1,290
	Contra Costa	1,763
	El Dorado	18
	Fresno	4,829
	Glenn	1,265
	Humboldt	24
	Imperial	108
	Inyo	10
	Kern	6,824
	Kings	1,401
	Lake	10
	Lassen	30
	Los Angeles	2,410
	Madera	229
	Mariposa	28
	Mendocino	3
	Merced	1,127
	Monterey	276
	Napa	84
	Orange	78
	Plumas	25
	Riverside	8,956
	Sacramento	482
	San Bernardino	1,244
	San Diego	425
	San Francisco	27
	San Joaquin	878
	San Luis Obispo	498
	Santa Barbara	966
	Santa Clara	38
	Santa Cruz	21
	Shasta	199
	Solano	161
	Sonoma	1
	Stanislaus	2,329
	Sutter	992
	Tehama	407
	Tulare	11,560
	Ventura	3,965
	Yolo	435
	Yuba	30
	Total	56,095
Bromoxynil Butyrate	Merced	5
Butylate	Fresno	962
	Kern	10,556
	Kings	480
	Merced	4,679

Active Ingredient	County	Pounds Applied
	Riverside	96
	Sacramento	2,173
	San Joaquin	2,662
	Stanislaus	3,941
	Tulare	2,091
	Total	27,645
Cacodylic Acid	Alameda	1
	Colusa	24
	Contra Costa	<1
	Fresno	2,272
	Imperial	9
	Kern	409
	Kings	235
	Los Angeles	3
	Madera	137
	Merced	499
	Orange	17
	Riverside	5
	San Bernardino	2
	San Diego	3
	San Luis Obispo	1
	Santa Barbara	3
	Santa Clara	2
	Solano	<1
	Sonoma	3
	Tulare	343
	Ventura	6
	Yolo	11
	Total	3,983
Calcium Acid Methanearsonate	Alameda	<1
	Calaveras	<1
	Los Angeles	<1
	Mendocino	<1
	Napa	<1
	Orange	<1
	Riverside	7
	San Diego	<1
	Santa Clara	<1
	Shasta	<1
	Sonoma	<1
	Total	7
Carbaryl	Alameda	1,318
	Amador	2
	Butte	5,442
	Calaveras	47
	Colusa	395

Active Ingredient	County	Pounds Applied
	Contra Costa	4,475
	El Dorado	249
	Fresno	24,201
	Glenn	2,744
	Humboldt	119
	Imperial	2,931
	Kern	38,552
	Kings	2,645
	Lake	777
	Lassen	173
	Los Angeles	7,142
	Madera	5,716
	Marin	244
	Mariposa	28
	Mendocino	602
	Merced	17,798
	Monterey	20,310
	Napa	191
	Nevada	43
	Orange	2,682
	Placer	602
	Plumas	62
	Riverside	3,856
	Sacramento	2,978
	San Benito	2,893
	San Bernardino	464
	San Diego	1,144
	San Francisco	<1
	San Joaquin	9,172
	San Luis Obispo	2,613
	San Mateo	267
	Santa Barbara	2,102
	Santa Clara	2,463
	Santa Cruz	5,117
	Shasta	1,339
	Sierra	<1
	Siskiyou	<1
	Solano	1,956
	Sonoma	1,360
	Stanislaus	11,786
	Sutter	8,454
	Tehama	200
	Tulare	74,666
	Tuolumne	224
	Ventura	15,754
	Yolo	5,250
	Yuba	1,371
	Total	294,919

Active Ingredient	County	Pounds Applied
Carbofuran	Alameda	91
	Butte	47
	Colusa	1,592
	Contra Costa	591
	Del Norte	1,523
	Fresno	19,593
	Glenn	575
	Imperial	9,223
	Kern	14,459
	Kings	6,171
	Madera	1,107
	Merced	1,384
	Monterey	15,396
	Riverside	5,610
	Sacramento	517
	San Bernardino	446
	San Joaquin	10,764
	San Luis Obispo	488
	Santa Clara	12
	Sierra	18
	Siskiyou	107
	Solano	1,157
	Stanislaus	372
	Sutter	252
Tulare	4,752	
Yolo	2,058	
Yuba	85	
	Total	98,390
Chloropicrin	Butte	3,169
	Contra Costa	1,316
	Del Norte	5,034
	Fresno	28,257
	Glenn	14,056
	Humboldt	11,350
	Imperial	61,826
	Kern	40,108
	Kings	6,019
	Lassen	10,971
	Los Angeles	34,513
	Madera	418
	Mendocino	12
	Merced	60,742
	Monterey	1,191,223
	Napa	529
	Orange	218,632
Placer	139	
Riverside	87,206	
Sacramento	4,551	

<u>Active Ingredient</u>	<u>County</u>	<u>Pounds Applied</u>
	San Benito	43,164
	San Bernardino	8,699
	San Diego	175,650
	San Joaquin	49,444
	San Luis Obispo	77,127
	San Mateo	231
	Santa Barbara	356,825
	Santa Clara	44,410
	Santa Cruz	470,635
	Shasta	53,421
	Siskiyou	133,945
	Solano	2,336
	Sonoma	9,076
	Stanislaus	31,101
	Sutter	4,163
	Tehama	26,474
	Tulare	7,449
	Ventura	1,002,241
	Yolo	705
	Yuba	2,482
	Total	4,279,648

Chlorothalonil	Alameda	1,381
	Amador	30
	Butte	140
	Calaveras	152
	Colusa	5,120
	Contra Costa	3,687
	Del Norte	8,964
	El Dorado	117
	Fresno	75,929
	Glenn	1,205
	Humboldt	1,722
	Imperial	39,382
	Inyo	24
	Kern	50,821
	Kings	17,750
	Lassen	41
	Los Angeles	17,537
	Madera	1,865
	Marin	226
	Mariposa	37
	Mendocino	27
	Merced	23,511
	Modoc	3,144
	Mono	500
	Monterey	20,252
	Napa	326
	Nevada	<1



Active Ingredient	County	Pounds Applied
	Orange	18,313
	Placer	711
	Plumas	95
	Riverside	11,091
	Sacramento	5,916
	San Benito	7,696
	San Bernardino	3,217
	San Diego	44,021
	San Francisco	423
	San Joaquin	13,556
	San Luis Obispo	7,430
	San Mateo	3,883
	Santa Barbara	17,170
	Santa Clara	5,133
	Santa Cruz	2,486
	Shasta	376
	Siskiyou	3,150
	Solano	5,953
	Sonoma	375
	Stanislaus	14,377
	Sutter	6,779
	Tehama	103
	Tulare	37,213
	Ventura	55,995
	Yolo	16,465
	Yuba	157
	Total	555,974
Chlorsulfuron	Alameda	11
	Amador	8
	Butte	40
	Calaveras	6
	Colusa	12
	Contra Costa	19
	Del Norte	1
	El Dorado	4
	Fresno	32
	Glenn	6
	Humboldt	<1
	Inyo	13
	Kern	11
	Kings	<1
	Lake	13
	Lassen	30
	Los Angeles	34
	Madera	4
	Marin	<1
	Mariposa	1
	Mendocino	1

Active Ingredient	County	Pounds Applied
	Merced	31
	Modoc	10
	Monterey	78
	Napa	4
	Nevada	1
	Orange	56
	Placer	2
	Plumas	1
	Riverside	139
	Sacramento	<1
	San Benito	<1
	San Bernardino	2
	San Diego	33
	San Francisco	<1
	San Joaquin	23
	San Luis Obispo	108
	San Mateo	1
	Santa Barbara	80
	Santa Clara	52
	Santa Cruz	1
	Shasta	3
	Sierra	2
	Siskiyou	18
	Solano	28
	Sonoma	55
	Stanislaus	31
	Sutter	42
	Tehama	61
	Trinity	<1
	Tulare	63
	Tuolumne	7
	Ventura	3
	Yolo	16
	Yuba	6
	Total	1,200
Clethodim	Alameda	<1
	Butte	<1
	Colusa	45
	Contra Costa	20
	Fresno	2,322
	Glenn	385
	Imperial	4,433
	Kern	725
	Kings	2,201
	Lassen	8
	Los Angeles	88
	Madera	1,130
	Merced	2,298

Active Ingredient	County	Pounds Applied
	Modoc	22
	Monterey	7
	Orange	1
	Placer	14
	Riverside	2,791
	Sacramento	155
	San Benito	4
	San Bernardino	80
	San Diego	10
	San Joaquin	429
	Santa Barbara	4
	Santa Clara	10
	Santa Cruz	<1
	Siskiyou	30
	Solano	37
	Stanislaus	202
	Sutter	13
	Tehama	57
	Tulare	1,671
	Ventura	16
Yolo	58	
Yuba	1	
	Total	19,270
Cyanazine	Fresno	6,960
	Imperial	652
	Kern	739
	Kings	1,157
	Madera	18
	Merced	3,756
	Monterey	3
	Riverside	120
	Sacramento	580
	Santa Clara	42
	Solano	196
	Tulare	2,690
	Yolo	171
	Yuba	166
	Total	17,250
Cycloate	Fresno	3,463
	Imperial	4,411
	Kern	16
	Los Angeles	766
	Madera	153
	Merced	1,889
	Monterey	12,929
	Riverside	1,635
Sacramento	6	

Active Ingredient	County	Pounds Applied
	San Benito	2,518
	San Bernardino	4
	San Luis Obispo	886
	Santa Barbara	1,502
	Santa Clara	337
	Santa Cruz	197
	Sonoma	8
	Stanislaus	225
	Tulare	2
	Ventura	849
	Total	31,797
Cyprodinil	Alameda	59
	Amador	20
	Butte	6,488
	Calaveras	31
	Colusa	1,019
	Contra Costa	29
	El Dorado	26
	Fresno	10,960
	Glenn	2,906
	Humboldt	1
	Kern	11,830
	Kings	1,307
	Lake	264
	Madera	5,560
	Mendocino	641
	Merced	5,832
	Monterey	3,491
	Napa	1,284
	Nevada	1
	Orange	1
	Placer	20
	Riverside	338
	Sacramento	453
	San Benito	208
	San Joaquin	2,059
	San Luis Obispo	2,824
	San Mateo	135
	Santa Barbara	3,524
	Santa Clara	30
	Santa Cruz	14
	Solano	257
	Sonoma	4,090
	Stanislaus	3,490
	Sutter	3,013
	Tehama	1,104
	Tulare	8,317
	Ventura	25

Active Ingredient	County	Pounds Applied
	Yolo	1,209
	Yuba	1,297
	Total	84,158
Cyromazine	Fresno	899
	Kings	27
	Los Angeles	5
	Madera	3
	Merced	27
	Monterey	3,870
	Orange	7
	Riverside	35
	Sacramento	1
	San Benito	393
	San Bernardino	405
	San Diego	90
	San Joaquin	2
	San Luis Obispo	98
	San Mateo	40
	Santa Barbara	151
	Santa Clara	219
	Santa Cruz	80
	Solano	2
	Sonoma	14
	Stanislaus	172
	Tulare	1
	Ventura	877
	Yolo	<1
	Total	7,415
Dazomet	Contra Costa	22
	El Dorado	1,980
	Los Angeles	10,270
	Monterey	275
	Orange	15,417
	Riverside	6,061
	San Bernardino	6,473
	San Diego	1,543
	San Luis Obispo	40
	Santa Barbara	307
	Santa Clara	794
	Santa Cruz	218
	Tulare	418
	Ventura	515
	Total	44,333
Diazinon	Alameda	5,303
	Alpine	4
	Amador	114

<u>Active Ingredient</u>	<u>County</u>	<u>Pounds Applied</u>
	Butte	8,081
	Calaveras	1,366
	Colusa	1,411
	Contra Costa	15,593
	Del Norte	15
	El Dorado	2,861
	Fresno	71,919
	Glenn	11,425
	Humboldt	43
	Imperial	40,723
	Kern	31,738
	Kings	14,008
	Lake	535
	Lassen	45
	Los Angeles	250,048
	Madera	23,111
	Marin	972
	Mariposa	143
	Mendocino	124
	Merced	23,996
	Modoc	8
	Mono	1
	Monterey	142,813
	Napa	186
	Nevada	517
	Orange	27,319
	Placer	3,332
	Plumas	93
	Riverside	14,604
	Sacramento	14,780
	San Benito	19,969
	San Bernardino	27,934
	San Diego	33,958
	San Francisco	582
	San Joaquin	18,857
	San Luis Obispo	10,421
	San Mateo	4,699
	Santa Barbara	3,461
	Santa Clara	29,990
	Santa Cruz	8,371
	Shasta	2,218
	Sierra	23
	Siskiyou	56
	Solano	2,891
	Sonoma	4,657
	Stanislaus	61,725
	Sutter	21,455
	Tehama	4,314
	Trinity	10

Active Ingredient	County	Pounds Applied
	Tulare	43,655
	Tuolumne	3,037
	Ventura	10,338
	Yolo	3,712
	Yuba	5,135
	Total	1,028,699

Dicamba	Alameda	3
	Butte	<1
	Calaveras	<1
	Contra Costa	12
	El Dorado	1
	Fresno	4
	Glenn	<1
	Humboldt	3
	Kern	<1
	Lassen	<1
	Los Angeles	14
	Madera	1
	Marin	3
	Mendocino	<1
	Merced	<1
	Monterey	1
	Orange	2
	Placer	12
	Riverside	1
	Sacramento	6
	San Benito	1
	San Bernardino	6
	San Diego	4
	San Francisco	<1
	San Joaquin	4
	San Luis Obispo	2
	San Mateo	3
	Santa Barbara	5
	Santa Clara	1
	Santa Cruz	<1
	Shasta	<1
	Siskiyou	<1
	Solano	3
	Sonoma	24
Stanislaus	<1	
Sutter	1	
Tuolumne	<1	
Ventura	17	
Yolo	<1	
Yuba	<1	
	Total	134

Active Ingredient	County	Pounds Applied
Dicamba, Dimethylamine Salt	Alameda	204
	Amador	19
	Butte	38
	Calaveras	1
	Colusa	292
	Contra Costa	275
	El Dorado	1
	Fresno	4,568
	Glenn	906
	Humboldt	59
	Inyo	<1
	Kern	562
	Kings	3,572
	Lake	<1
	Lassen	83
	Los Angeles	353
	Madera	184
	Marin	1
	Mendocino	<1
	Merced	605
	Modoc	614
	Mono	1
	Monterey	632
	Napa	3
	Nevada	<1
	Orange	387
	Placer	25
	Plumas	1
	Riverside	263
	Sacramento	252
	San Benito	15
	San Bernardino	324
	San Diego	144
	San Francisco	14
	San Joaquin	583
	San Luis Obispo	133
	San Mateo	85
	Santa Barbara	142
	Santa Clara	325
	Santa Cruz	8
	Shasta	174
	Sierra	1
Siskiyou	936	
Solano	664	
Sonoma	31	
Stanislaus	703	
Sutter	169	
Tehama	95	
Tulare	8,758	



Active Ingredient	County	Pounds Applied
	Tuolumne	19
	Ventura	170
	Yolo	756
	Yuba	1
	Total	28,152
Dichlobenil	Alameda	84
	Contra Costa	3
	Kern	24
	Kings	2
	Los Angeles	42
	Madera	2
	Marin	1
	Merced	33
	Monterey	2
	Napa	157
	Orange	1
	Placer	16
	Riverside	5
	Sacramento	<1
	San Benito	<1
	San Bernardino	7
	San Diego	322
	San Joaquin	5
	San Mateo	<1
	Santa Clara	5
	Santa Cruz	7
	Solano	13
	Stanislaus	79
	Sutter	1
	Yolo	1,933
	Yuba	3
	Total	2,746
Dicloran	Butte	1
	Colusa	1,231
	Contra Costa	11
	Del Norte	50
	Fresno	1,537
	Glenn	474
	Humboldt	13
	Imperial	275
	Kern	1,826
	Kings	435
	Madera	83
	Mendocino	38
	Merced	18
	Monterey	49,389
	Napa	59

Active Ingredient	County	Pounds Applied
	Orange	1,967
	Riverside	518
	San Benito	2,493
	San Bernardino	8
	San Diego	1
	San Joaquin	32
	San Luis Obispo	669
	Santa Barbara	4,857
	Santa Clara	609
	Santa Cruz	2,834
	Sonoma	124
	Stanislaus	197
	Tulare	6,370
	Ventura	34,989
	Yolo	38
	Total	111,144
Dicrotophos	San Diego	2
	Total	2
Diethatyl-Ethyl	Monterey	1,652
	San Benito	80
	San Luis Obispo	108
	Santa Clara	407
	Santa Cruz	245
	Stanislaus	1
	Total	2,493
Difenzoquat Methyl Sulfate	Alameda	2
	Fresno	51
	Kings	2,773
	Riverside	1,269
	San Joaquin	356
	Solano	237
	Sonoma	987
	Tehama	29
	Tulare	366
	Total	6,070
Dimethipin	Fresno	219
	Kern	419
	Kings	48
	Merced	10
	Tulare	50
	Total	746
Dimethoate	Alameda	7
	Butte	348
	Colusa	1,972

Active Ingredient	County	Pounds Applied
	Contra Costa	1,700
	Del Norte	165
	Fresno	40,247
	Glenn	2,911
	Imperial	52,256
	Inyo	181
	Kern	14,775
	Kings	16,245
	Lake	58
	Lassen	3,065
	Los Angeles	692
	Madera	2,012
	Mendocino	99
	Merced	12,114
	Modoc	2,635
	Mono	80
	Monterey	38,662
	Napa	440
	Orange	2,376
	Placer	30
	Riverside	11,913
	Sacramento	1,418
	San Benito	2,862
	San Bernardino	3,948
	San Diego	633
	San Joaquin	5,639
	San Luis Obispo	3,726
	San Mateo	617
	Santa Barbara	14,276
	Santa Clara	917
	Santa Cruz	1,917
	Siskiyou	174
	Solano	25,955
	Sonoma	761
	Stanislaus	18,783
	Sutter	4,545
	Tehama	248
	Tulare	16,675
	Ventura	4,272
	Yolo	8,122
	Yuba	266
	Total	320,735
Dimethomorph	Merced	<1
	Total	<1
Diphenamid	Monterey	18
	Total	18

Active Ingredient	County	Pounds Applied
Diquat Dibromide	Alameda	541
	Amador	102
	Butte	165
	Calaveras	32
	Contra Costa	2,762
	Del Norte	8
	El Dorado	314
	Fresno	10,676
	Glenn	2,204
	Humboldt	51
	Imperial	5,146
	Inyo	<1
	Kern	3,161
	Kings	2,366
	Lake	576
	Lassen	66
	Los Angeles	1,991
	Madera	148
	Marin	138
	Mariposa	49
	Mendocino	99
	Merced	109
	Modoc	311
	Monterey	1,932
	Napa	356
	Nevada	378
	Orange	5,682
	Placer	636
	Plumas	63
	Riverside	7,131
	Sacramento	1,203
	San Benito	84
	San Bernardino	1,648
	San Diego	5,390
	San Francisco	21
	San Joaquin	1,857
	San Luis Obispo	2,066
	San Mateo	1,410
	Santa Barbara	3,332
	Santa Clara	615
	Santa Cruz	1,332
	Shasta	59
	Siskiyou	236
	Solano	155
	Sonoma	209
	Stanislaus	355
	Sutter	257
	Tehama	19
	Tulare	223

Active Ingredient	County	Pounds Applied
	Tuolumne	76
	Ventura	989
	Yolo	438
	Yuba	60
	Total	69,230
Disulfoton	Alameda	1
	Butte	1
	Contra Costa	137
	Del Norte	3,584
	Fresno	2,331
	Glenn	<1
	Imperial	3,530
	Kern	524
	Kings	41
	Lassen	10
	Los Angeles	6
	Merced	179
	Modoc	147
	Monterey	10,456
	Orange	367
	Placer	<1
	Riverside	2,307
	Sacramento	1,319
	San Benito	1,701
	San Bernardino	<1
	San Diego	23
	San Joaquin	19,157
	San Luis Obispo	1,327
	San Mateo	23
	Santa Barbara	219
	Santa Clara	566
	Santa Cruz	496
	Shasta	<1
	Siskiyou	48
	Solano	7
	Sonoma	1
	Stanislaus	218
	Sutter	336
	Tehama	1
	Tulare	409
	Ventura	2,399
	Yolo	38
	Yuba	<1
	Total	51,907
Dithiopyr	Alameda	157
	Amador	3
	Butte	51

Active Ingredient	County	Pounds Applied
	Calaveras	5
	Contra Costa	213
	El Dorado	32
	Fresno	345
	Glenn	17
	Kern	166
	Kings	2
	Los Angeles	94
	Madera	53
	Marin	40
	Merced	18
	Monterey	18
	Napa	94
	Nevada	1
	Orange	136
	Placer	249
	Riverside	95
	Sacramento	276
	San Bernardino	59
	San Diego	292
	San Joaquin	38
	San Luis Obispo	5
	San Mateo	75
	Santa Barbara	15
	Santa Clara	135
	Santa Cruz	8
	Shasta	42
	Solano	26
	Sonoma	119
	Stanislaus	73
	Sutter	79
	Tehama	<1
	Tulare	33
	Tuolumne	92
	Ventura	28
	Yolo	57
	Yuba	<1
	Total	3,243
Diuron	Alameda	17,122
	Alpine	125
	Amador	4,749
	Butte	9,435
	Calaveras	1,981
	Colusa	9,096
	Contra Costa	12,287
	Del Norte	1,578
	El Dorado	1,386
	Fresno	109,135

Active Ingredient	County	Pounds Applied
	Glenn	7,852
	Humboldt	231
	Imperial	4,092
	Inyo	10
	Kern	102,447
	Kings	52,185
	Lake	3,554
	Lassen	1,311
	Los Angeles	91,828
	Madera	45,523
	Marin	862
	Mariposa	1,375
	Mendocino	1,459
	Merced	56,164
	Modoc	1,538
	Monterey	9,923
	Napa	3,331
	Nevada	1,268
	Orange	9,255
	Placer	2,724
	Plumas	539
	Riverside	34,424
	Sacramento	20,052
	San Benito	2,611
	San Bernardino	59,334
	San Diego	11,787
	San Francisco	334
	San Joaquin	59,984
	San Luis Obispo	4,072
	San Mateo	2,507
	Santa Barbara	11,715
	Santa Clara	13,898
	Santa Cruz	917
	Shasta	2,120
	Sierra	169
	Siskiyou	1,237
	Solano	24,281
	Sonoma	8,284
	Stanislaus	37,278
	Sutter	6,494
	Tehama	4,841
	Trinity	2
	Tulare	191,161
	Tuolumne	2,715
	Ventura	20,163
	Yolo	18,705
	Yuba	3,445
	Total	1,106,892

Active Ingredient	County	Pounds Applied
Dodemorph Acetate	San Diego	<1
	San Mateo	1
	Ventura	3
	Total	4
Dodine	Lake	50
	Mendocino	2,100
	Total	2,150
DSMA	Los Angeles	65
	Orange	20
	Riverside	8
	Sacramento	9
	San Diego	13
	San Mateo	<1
	Sonoma	3
	Ventura	<1
	Total	117
Endothall, Dipotassium Salt	Alameda	61
	Amador	19
	Calaveras	71
	Contra Costa	82
	El Dorado	19
	Fresno	8
	Glenn	17
	Marin	1
	Mariposa	8
	Merced	69
	Monterey	38
	Napa	10
	Nevada	439
	Orange	23
	Riverside	138
	Sacramento	31
	San Diego	242
	San Joaquin	8
	San Luis Obispo	39
	Santa Barbara	3
Santa Clara	35	
Shasta	76	
Solano	78	
Sonoma	86	
Stanislaus	2	
Tehama	44	
Tulare	42	
Tuolumne	67	
Total	1,755	



Active Ingredient	County	Pounds Applied
Endothall, Disodium Salt	Alameda	<1
	Santa Cruz	5
	Sonoma	17
	Total	22
EPTC	Butte	1,304
	Colusa	442
	Contra Costa	2,890
	Fresno	13,436
	Glenn	3,209
	Imperial	96,021
	Kern	24,817
	Kings	24,604
	Los Angeles	4,010
	Madera	820
	Merced	11,956
	Monterey	3,470
	Riverside	4,865
	Sacramento	4,574
	San Bernardino	17
	San Diego	15
	San Joaquin	11,103
	San Luis Obispo	1,631
	Santa Barbara	3,743
	Santa Clara	461
	Santa Cruz	92
	Solano	2,468
	Stanislaus	7,980
	Sutter	3,173
Tehama	1,273	
Tulare	43,591	
Ventura	1,158	
Yolo	4,010	
Total	277,130	
Ethofumesate	Alameda	218
	Colusa	1
	Fresno	480
	Glenn	149
	Imperial	549
	Kern	<1
	Kings	134
	Los Angeles	7
	Madera	37
	Marin	35
	Merced	608
	Monterey	340
	Napa	20
Nevada	2	

Active Ingredient	County	Pounds Applied
	Orange	3
	Placer	187
	Riverside	1,185
	San Benito	194
	San Bernardino	241
	San Diego	34
	San Mateo	157
	Santa Barbara	67
	Santa Clara	1,721
	Shasta	95
	Sonoma	<1
	Stanislaus	25
	Tulare	109
	Ventura	27
	Total	6,625
Ethoprop	Alameda	13
	Del Norte	1,530
	Mendocino	72
	Merced	3,319
	Monterey	617
	San Diego	<1
	San Joaquin	10,585
	San Luis Obispo	1,036
	Santa Barbara	664
	Santa Clara	14
	Stanislaus	1,166
	Ventura	30
	Total	19,046
Fenamiphos	Butte	29
	Fresno	9,570
	Humboldt	5
	Kern	25,598
	Kings	168
	Lake	133
	Los Angeles	85
	Madera	5,376
	Mendocino	703
	Merced	3,635
	Monterey	2,528
	Riverside	243
	Sacramento	208
	San Benito	796
	San Francisco	175
	San Joaquin	3,887
	San Luis Obispo	3,124
	San Mateo	141
	Santa Barbara	17

Active Ingredient	County	Pounds Applied
	Santa Clara	328
	Sonoma	90
	Stanislaus	632
	Tulare	15,656
	Ventura	1,611
	Yolo	175
	Total	74,916
Fenarimol	Alameda	217
	Amador	15
	Calaveras	<1
	Colusa	34
	Contra Costa	19
	Del Norte	9
	El Dorado	17
	Fresno	2,024
	Glenn	10
	Humboldt	7
	Kern	436
	Kings	35
	Lake	16
	Los Angeles	20
	Madera	696
	Mariposa	1
	Mendocino	40
	Merced	84
	Monterey	685
	Napa	252
	Nevada	5
	Orange	16
	Placer	27
	Riverside	46
	Sacramento	143
	San Benito	43
	San Bernardino	19
	San Diego	36
	San Francisco	24
	San Joaquin	349
	San Luis Obispo	64
	San Mateo	7
	Santa Barbara	260
	Santa Clara	25
	Santa Cruz	44
	Solano	31
	Sonoma	264
	Stanislaus	82
	Tulare	353
	Ventura	17
	Yolo	117

Active Ingredient	County	Pounds Applied	
		Total	6,586
Fenhexamid	Alameda		245
	Contra Costa		26
	Del Norte		1
	Fresno		213
	Kern		148
	Lake		61
	Los Angeles		27
	Madera		218
	Mendocino		435
	Merced		<1
	Monterey		11,621
	Napa		332
	Nevada		18
	Orange		2,237
	Riverside		12
	Sacramento		416
	San Benito		72
	San Bernardino		2
	San Diego		962
	San Joaquin		356
	San Luis Obispo		1,277
	San Mateo		125
	Santa Barbara		4,917
	Santa Clara		263
Santa Cruz		2,691	
Sonoma		4,178	
Stanislaus		15	
Tulare		422	
Ventura		8,480	
Yolo		324	
	Total		40,094
Fenoxycarb	Alameda		<1
	Contra Costa		<1
	Los Angeles		26
	Madera		<1
	Napa		<1
	Nevada		<1
	Orange		42
	Riverside		8
	Sacramento		<1
	San Diego		<1
	San Francisco		1
	Santa Barbara		<1
	Shasta		2
	Solano		<1
Ventura		5	

Active Ingredient	County	Pounds Applied
	Yuba	<1
	Total	85
Fensulfothion	Contra Costa	<1
	Total	<1
Fenthion	Los Angeles	<1
	Monterey	57
	Santa Clara	4
	Sonoma	<1
	Total	61
Fipronil	Alameda	566
	Amador	<1
	Butte	437
	Calaveras	<1
	Colusa	4
	Contra Costa	236
	Del Norte	<1
	El Dorado	9
	Fresno	205
	Glenn	<1
	Humboldt	2
	Imperial	101
	Inyo	<1
	Kern	4
	Kings	9
	Lake	<1
	Lassen	<1
	Los Angeles	2,977
	Madera	57
	Marin	81
	Mariposa	2
	Mendocino	<1
	Merced	35
	Modoc	<1
	Mono	<1
	Monterey	8
	Napa	12
	Nevada	5
	Orange	198
	Placer	226
	Plumas	<1
	Riverside	152
	Sacramento	159
San Benito	3	
San Bernardino	58	
San Diego	97	
San Francisco	22	

Active Ingredient	County	Pounds Applied
	San Joaquin	256
	San Luis Obispo	46
	San Mateo	103
	Santa Barbara	26
	Santa Clara	121
	Santa Cruz	8
	Shasta	351
	Siskiyou	147
	Solano	6
	Sonoma	74
	Stanislaus	38
	Sutter	307
	Tehama	189
	Trinity	<1
	Tulare	25
	Tuolumne	<1
	Ventura	32
	Yolo	159
	Yuba	301
	Total	7,848
Fluazifop-Butyl	Alameda	28
	Fresno	78
	Kern	<1
	Los Angeles	1
	Merced	1
	Monterey	<1
	Napa	<1
	Orange	29
	Riverside	6
	San Bernardino	1
	San Diego	<1
	San Luis Obispo	1
	Santa Barbara	1
	Santa Clara	1
	Shasta	1
	Sonoma	<1
	Tehama	<1
	Total	147
Fludioxonil	Butte	1
	Del Norte	1
	Fresno	521
	Kern	108
	Kings	31
	Madera	2
	Monterey	9
	Orange	<1
	Riverside	<1

Active Ingredient	County	Pounds Applied
	Santa Barbara	<1
	Santa Clara	<1
	Stanislaus	12
	Sutter	85
	Tulare	222
	Ventura	17
	Total	1,008
Flutolanil	Alameda	756
	Butte	173
	Calaveras	60
	Contra Costa	206
	El Dorado	39
	Fresno	9
	Glenn	1
	Kern	84
	Los Angeles	1,033
	Madera	9
	Marin	114
	Monterey	288
	Orange	5,951
	Placer	369
	Riverside	1,366
	Sacramento	171
	San Benito	99
	San Bernardino	121
	San Diego	1,089
	San Francisco	22
	San Joaquin	257
	San Luis Obispo	101
	San Mateo	31
	Santa Barbara	135
	Santa Clara	422
	Santa Cruz	54
	Solano	320
	Sonoma	367
	Stanislaus	34
	Sutter	9
	Tulare	3
	Ventura	81
	Yolo	45
	Total	13,815
Fonofos	Monterey	23
	San Benito	124
	San Joaquin	44
	San Luis Obispo	20
	Santa Clara	174
	Stanislaus	195

Active Ingredient	County	Pounds Applied	
		Total	580
Formetanate Hydrochloride	Butte		46
	Contra Costa		37
	El Dorado		3
	Fresno		17,179
	Imperial		3,860
	Kern		7,036
	Kings		2,214
	Madera		474
	Merced		306
	Placer		17
	Riverside		9
	Sacramento		56
	San Bernardino		<1
	San Joaquin		64
	Stanislaus		537
	Sutter		83
	Tulare		13,669
Yuba		112	
	Total		45,703
Fosetyl-Al	Alameda		564
	Amador		1
	Butte		146
	Calaveras		27
	Colusa		2,630
	Contra Costa		816
	Del Norte		13
	El Dorado		28
	Fresno		12,405
	Glenn		611
	Humboldt		6
	Imperial		1,971
	Kern		1,107
	Kings		335
	Lake		<1
	Lassen		334
	Los Angeles		2,897
	Madera		519
	Marin		254
	Mendocino		180
Merced		2,182	
Monterey		218,836	
Napa		33	
Nevada		40	
Orange		3,789	
Placer		280	
Riverside		2,427	



Active Ingredient	County	Pounds Applied
	Sacramento	4,500
	San Benito	12,160
	San Bernardino	2,861
	San Diego	4,414
	San Francisco	2
	San Joaquin	3,998
	San Luis Obispo	2,137
	San Mateo	3,286
	Santa Barbara	7,765
	Santa Clara	5,473
	Santa Cruz	8,078
	Shasta	2,720
	Siskiyou	4,062
	Solano	2,135
	Sonoma	565
	Stanislaus	3,133
	Sutter	623
	Tehama	12
	Tulare	6,230
	Ventura	10,635
	Yolo	1,470
	Yuba	28
	Total	338,720
Glufosinate-Ammonium	Alameda	6
	Butte	<1
	Fresno	62
	Glenn	<1
	Kings	5
	Los Angeles	<1
	Madera	156
	Merced	236
	Monterey	1,693
	Placer	<1
	Riverside	<1
	Sacramento	2
	San Benito	3
	San Bernardino	1
	San Joaquin	310
	Santa Barbara	1
	Sonoma	11
	Stanislaus	5
	Tulare	60
	Yolo	18
	Total	2,567
Glyphosate, Isopropylamine Salt	Alameda	34,690
	Alpine	6
	Amador	6,264

Active Ingredient	County	Pounds Applied
	Butte	122,680
	Calaveras	3,906
	Colusa	52,615
	Contra Costa	45,704
	Del Norte	1,219
	El Dorado	11,113
	Fresno	645,889
	Glenn	85,120
	Humboldt	4,380
	Imperial	159,236
	Inyo	1,189
	Kern	431,084
	Kings	179,011
	Lake	11,004
	Lassen	1,758
	Los Angeles	227,251
	Madera	231,016
	Marin	6,988
	Mariposa	7,076
	Mendocino	16,582
	Merced	411,879
	Modoc	2,035
	Mono	204
	Monterey	116,513
	Napa	30,124
	Nevada	4,826
	Orange	71,410
	Placer	14,534
	Plumas	1,130
	Riverside	134,459
	Sacramento	111,185
	San Benito	9,922
	San Bernardino	37,486
	San Diego	108,939
	San Francisco	1,138
	San Joaquin	150,594
	San Luis Obispo	55,743
	San Mateo	8,898
	Santa Barbara	68,610
	Santa Clara	39,872
	Santa Cruz	5,426
	Shasta	20,749
	Sierra	981
	Siskiyou	4,451
	Solano	47,662
	Sonoma	57,914
	Stanislaus	150,242
	Sutter	48,610
	Tehama	40,263

Active Ingredient	County	Pounds Applied
	Trinity	2,726
	Tulare	537,508
	Tuolumne	22,429
	Ventura	123,430
	Yolo	68,720
	Yuba	16,666
	Total	4,813,056
Glyphosate-Trimesium	Amador	14
	Butte	187
	Colusa	20,989
	Contra Costa	178
	Fresno	32,402
	Glenn	5,165
	Imperial	198
	Kern	17,953
	Kings	1,442
	Los Angeles	44
	Madera	7,454
	Merced	6,167
	Monterey	439
	Napa	24
	Nevada	101
	Placer	8
	Riverside	265
	Sacramento	2,175
	San Benito	1,238
	San Joaquin	1,956
	San Luis Obispo	946
	Santa Barbara	1,305
	Solano	1,985
	Sonoma	11
	Stanislaus	9,122
	Sutter	5,276
	Tulare	9,838
	Ventura	3,553
	Yolo	20,647
	Yuba	1,589
	Total	152,673
Halosulfuron	Alameda	<1
	Amador	1
	Butte	6
	Calaveras	<1
	Colusa	3
	Contra Costa	2
	El Dorado	6
	Fresno	51
	Glenn	43

Active Ingredient	County	Pounds Applied
	Imperial	19
	Inyo	<1
	Kern	358
	Kings	105
	Los Angeles	38
	Madera	26
	Marin	<1
	Merced	161
	Monterey	4
	Napa	<1
	Nevada	<1
	Orange	24
	Placer	22
	Riverside	342
	Sacramento	71
	San Benito	<1
	San Bernardino	6
	San Diego	15
	San Joaquin	27
	San Luis Obispo	6
	San Mateo	<1
	Santa Barbara	19
	Santa Clara	8
	Santa Cruz	<1
	Shasta	6
	Solano	9
	Sonoma	<1
	Stanislaus	926
	Sutter	12
	Tehama	2
	Tulare	359
	Tuolumne	<1
	Ventura	29
	Yolo	14
	Yuba	<1
	Total	2,721
Hexazinone	Alameda	96
	Amador	2,121
	Butte	290
	Calaveras	1,638
	Colusa	339
	Contra Costa	185
	El Dorado	3,826
	Fresno	10,321
	Glenn	1,538
	Inyo	167
	Kern	584
	Kings	1,616

Active Ingredient	County	Pounds Applied
	Lassen	11,972
	Los Angeles	1,059
	Madera	1,032
	Mariposa	55
	Mendocino	18
	Merced	7,631
	Modoc	6,068
	Monterey	74
	Plumas	2,659
	Sacramento	386
	San Benito	161
	San Bernardino	299
	San Joaquin	8,287
	San Luis Obispo	1,201
	Santa Barbara	176
	Santa Clara	43
	Shasta	10,479
	Siskiyou	10,919
	Solano	5,711
	Stanislaus	1,510
	Sutter	202
	Tehama	2,209
	Trinity	114
	Tulare	1,063
	Tuolumne	231
	Yolo	9,851
	Yuba	759
	Total	106,890
Imazethapyr	Alameda	9
	Amador	20
	Butte	5
	Colusa	13
	Contra Costa	8
	Fresno	636
	Glenn	83
	Imperial	4,039
	Kern	383
	Kings	480
	Lassen	3
	Los Angeles	3
	Madera	462
	Merced	1,147
	Modoc	35
	Monterey	2
	Placer	4
	Riverside	455
	Sacramento	105
	San Benito	2

Active Ingredient	County	Pounds Applied
	San Bernardino	48
	San Joaquin	457
	San Luis Obispo	22
	Santa Barbara	28
	Santa Clara	<1
	Shasta	5
	Sierra	21
	Siskiyou	21
	Solano	109
	Stanislaus	219
	Sutter	23
	Tehama	9
	Tulare	1,184
	Yolo	370
	Total	10,411
Imidacloprid	Alameda	1,154
	Amador	33
	Butte	604
	Calaveras	56
	Colusa	859
	Contra Costa	1,299
	Del Norte	<1
	El Dorado	792
	Fresno	14,002
	Glenn	137
	Humboldt	12
	Imperial	9,545
	Inyo	<1
	Kern	7,221
	Kings	4,103
	Lake	50
	Lassen	2
	Los Angeles	2,085
	Madera	1,487
	Marin	121
	Mariposa	5
	Mendocino	361
	Merced	923
	Modoc	6
	Mono	<1
	Monterey	15,540
	Napa	1,028
	Nevada	54
	Orange	2,650
	Placer	384
	Plumas	3
	Riverside	4,521
	Sacramento	1,917

Active Ingredient	County	Pounds Applied
	San Benito	993
	San Bernardino	635
	San Diego	3,032
	San Francisco	271
	San Joaquin	2,267
	San Luis Obispo	3,429
	San Mateo	447
	Santa Barbara	4,755
	Santa Clara	3,580
	Santa Cruz	750
	Shasta	38
	Siskiyou	<1
	Solano	486
	Sonoma	864
	Stanislaus	1,204
	Sutter	605
	Tehama	7
	Trinity	1
	Tulare	3,545
	Tuolumne	834
	Ventura	3,443
	Yolo	1,300
	Yuba	310
	Total	103,749
Iprodione	Alameda	281
	Amador	42
	Butte	2,220
	Calaveras	7
	Colusa	2,445
	Contra Costa	643
	Del Norte	112
	El Dorado	61
	Fresno	34,657
	Glenn	3,030
	Humboldt	125
	Imperial	5,292
	Kern	55,932
	Kings	4,627
	Lake	23
	Los Angeles	6,729
	Madera	19,384
	Marin	45
	Mariposa	10
	Mendocino	76
	Merced	18,412
	Modoc	85
	Mono	388
	Monterey	44,015

Active Ingredient	County	Pounds Applied
	Napa	825
	Nevada	7
	Orange	4,329
	Placer	83
	Plumas	19
	Riverside	1,274
	Sacramento	673
	San Benito	1,084
	San Bernardino	369
	San Diego	3,242
	San Francisco	130
	San Joaquin	12,901
	San Luis Obispo	2,897
	San Mateo	541
	Santa Barbara	13,958
	Santa Clara	752
	Santa Cruz	3,696
	Shasta	276
	Siskiyou	326
	Solano	556
	Sonoma	727
	Stanislaus	20,651
	Sutter	1,753
	Tehama	1,188
	Tulare	19,900
	Tuolumne	7
	Ventura	15,747
	Yolo	1,302
	Yuba	636
	Total	308,487
Isoxaben	Alameda	947
	Amador	<1
	Butte	40
	Calaveras	26
	Contra Costa	956
	Del Norte	67
	El Dorado	41
	Fresno	571
	Glenn	7
	Humboldt	626
	Inyo	1
	Kern	841
	Kings	56
	Lake	266
	Los Angeles	3,125
	Madera	45
	Marin	233
	Mariposa	<1



Active Ingredient	County	Pounds Applied
	Mendocino	1
	Merced	121
	Monterey	144
	Napa	18
	Nevada	2
	Orange	847
	Placer	582
	Riverside	290
	Sacramento	716
	San Benito	13
	San Bernardino	276
	San Diego	823
	San Francisco	42
	San Joaquin	372
	San Luis Obispo	89
	San Mateo	560
	Santa Barbara	152
	Santa Clara	1,279
	Santa Cruz	47
	Shasta	6
	Siskiyou	7
	Solano	392
	Sonoma	459
	Stanislaus	251
	Sutter	31
	Tulare	691
	Tuolumne	1
	Ventura	149
	Yolo	58
	Yuba	6
	Total	16,274
Kresoxim-Methyl	Alameda	593
	Contra Costa	46
	Fresno	243
	Kern	2,836
	Madera	176
	Mendocino	19
	Merced	22
	Monterey	821
	Napa	256
	Sacramento	135
	San Benito	64
	San Joaquin	394
	San Luis Obispo	813
	Santa Barbara	80
	Santa Clara	25
	Santa Cruz	21
	Sonoma	1,198

Active Ingredient	County	Pounds Applied
	Stanislaus	150
	Tulare	690
	Tuolumne	2
	Yolo	51
	Total	8,638
Linuron	Colusa	98
	Fresno	336
	Glenn	6
	Imperial	15,819
	Kern	15,309
	Kings	401
	Los Angeles	6,194
	Madera	268
	Merced	10
	Mono	934
	Monterey	4,464
	Riverside	2,014
	San Benito	137
	San Diego	18
	San Joaquin	1,682
	San Luis Obispo	1,769
	San Mateo	23
	Santa Barbara	5,842
	Santa Cruz	211
	Solano	12
Ventura	3,639	
Yolo	89	
Total	59,273	
Malathion	Alameda	188
	Alpine	3
	Amador	170
	Butte	5,351
	Calaveras	173
	Colusa	10,205
	Contra Costa	199
	El Dorado	466
	Fresno	43,345
	Glenn	6,310
	Humboldt	2
	Imperial	99,024
	Inyo	80
	Kern	12,183
	Kings	14,538
	Lake	100
	Lassen	434
Los Angeles	2,900	
Madera	9,351	

Active Ingredient	County	Pounds Applied
	Mariposa	38
	Merced	17,869
	Modoc	592
	Mono	80
	Monterey	79,476
	Napa	115
	Nevada	11
	Orange	8,522
	Placer	664
	Riverside	35,669
	Sacramento	2,852
	San Benito	404
	San Bernardino	8,502
	San Diego	4,096
	San Francisco	4
	San Joaquin	11,266
	San Luis Obispo	20,415
	San Mateo	895
	Santa Barbara	34,105
	Santa Clara	1,568
	Santa Cruz	20,595
	Shasta	5,893
	Siskiyou	447
	Solano	4,560
	Sonoma	155
	Stanislaus	9,052
	Sutter	13,476
	Tehama	3,894
	Tulare	25,440
	Tuolumne	387
	Ventura	14,565
	Yolo	9,677
	Yuba	6,484
	Total	546,786
MCPA, Dimethylamine Salt	Alameda	495
	Amador	104
	Butte	8,403
	Calaveras	34
	Colusa	6,398
	Contra Costa	794
	El Dorado	135
	Fresno	16,227
	Glenn	5,729
	Humboldt	4
	Imperial	1,094
	Kern	9,475
	Kings	25,270
	Los Angeles	2,525

Active Ingredient	County	Pounds Applied
	Madera	4,383
	Mendocino	24
	Merced	13,374
	Modoc	168
	Monterey	96
	Napa	93
	Orange	1,713
	Placer	1,757
	Riverside	792
	Sacramento	2,694
	San Benito	1,377
	San Bernardino	1,798
	San Diego	400
	San Francisco	229
	San Joaquin	8,947
	San Luis Obispo	214
	San Mateo	704
	Santa Barbara	117
	Santa Clara	1,305
	Santa Cruz	8
	Shasta	65
	Siskiyou	405
	Solano	5,716
	Sonoma	1,863
	Stanislaus	5,008
	Sutter	6,038
	Tehama	550
	Tulare	35,005
	Tuolumne	3
	Ventura	510
	Yolo	11,113
	Yuba	1,130
	Total	184,284

MCP	Alameda	11
	Butte	18
	Contra Costa	15
	El Dorado	4
	Humboldt	10
	Kern	1
	Lassen	<1
	Los Angeles	93
	Madera	6
	Marin	7
	Mendocino	1
	Monterey	11
	Orange	5
	Placer	9
	Riverside	4

Active Ingredient	County	Pounds Applied
	Sacramento	2
	San Benito	13
	San Bernardino	48
	San Diego	18
	San Francisco	<1
	San Joaquin	7
	San Luis Obispo	11
	San Mateo	50
	Santa Barbara	5
	Santa Clara	3
	Santa Cruz	1
	Shasta	<1
	Solano	3
	Sonoma	139
	Sutter	4
	Ventura	80
	Yolo	1
	Total	579
MCPP, Dimethylamine Salt	Alameda	86
	Amador	<1
	Butte	84
	Calaveras	4
	Colusa	7
	Contra Costa	280
	El Dorado	4
	Fresno	257
	Glenn	21
	Humboldt	82
	Inyo	<1
	Kern	405
	Kings	13
	Lake	<1
	Lassen	<1
	Los Angeles	858
	Madera	3
	Marin	4
	Mendocino	<1
	Merced	80
	Mono	3
	Monterey	1,955
	Napa	6
	Nevada	3
	Orange	1,066
	Placer	95
	Plumas	8
	Riverside	537
	Sacramento	312
	San Benito	224

Active Ingredient	County	Pounds Applied
	San Bernardino	365
	San Diego	319
	San Francisco	84
	San Joaquin	67
	San Luis Obispo	66
	San Mateo	164
	Santa Barbara	171
	Santa Clara	497
	Santa Cruz	7
	Shasta	14
	Siskiyou	4
	Solano	26
	Sonoma	136
	Stanislaus	39
	Sutter	3
	Tehama	6
	Tulare	70
	Tuolumne	80
	Ventura	1,107
	Yolo	42
	Yuba	4
	Total	9,669
MCPP, Potassium Salt	Alameda	17
	Calaveras	120
	Contra Costa	13
	El Dorado	<1
	Fresno	9
	Los Angeles	460
	Madera	9
	Marin	9
	Merced	47
	Monterey	<1
	Napa	<1
	Orange	177
	Plumas	8
	Riverside	85
	Sacramento	4
	San Bernardino	38
	San Diego	585
	San Francisco	2
	San Joaquin	52
	San Luis Obispo	4
	San Mateo	1
	Santa Barbara	263
	Santa Clara	778
	Santa Cruz	7
	Shasta	26
	Solano	349

Active Ingredient	County	Pounds Applied
	Sonoma	14
	Tulare	27
	Ventura	46
	Total	3,149
Mecoprop-P	Alameda	<1
	Contra Costa	<1
	Riverside	<1
	Total	<1
Mepiquat Chloride	Colusa	341
	Fresno	8,845
	Glenn	65
	Imperial	652
	Kern	2,041
	Kings	2,694
	Madera	520
	Merced	2,041
	Riverside	267
	San Joaquin	1
	Santa Clara	<1
	Sonoma	1
	Sutter	2
	Tulare	2,391
	Yolo	124
Total	19,987	
Metalaxyl	Alameda	25
	Butte	14
	Calaveras	9
	Colusa	32
	Contra Costa	65
	Del Norte	59
	El Dorado	8
	Fresno	522
	Humboldt	1
	Imperial	78
	Kern	435
	Kings	986
	Lassen	4
	Los Angeles	112
	Madera	6
	Marin	1
	Mendocino	<1
	Merced	138
	Modoc	4
	Mono	2
Monterey	196	
Napa	1	

Active Ingredient	County	Pounds Applied
	Orange	44
	Placer	6
	Plumas	<1
	Riverside	283
	Sacramento	1
	San Benito	11
	San Bernardino	33
	San Diego	77
	San Francisco	1
	San Joaquin	25
	San Luis Obispo	11
	San Mateo	55
	Santa Barbara	168
	Santa Clara	75
	Santa Cruz	25
	Shasta	17
	Solano	17
	Sonoma	7
	Stanislaus	54
	Sutter	9
	Tulare	19
	Tuolumne	1
	Ventura	574
	Yolo	1,356
	Total	5,564
Metaldehyde	Alameda	1,117
	Butte	<1
	Calaveras	3
	Contra Costa	359
	Del Norte	4
	El Dorado	4
	Fresno	730
	Humboldt	69
	Kern	175
	Kings	4
	Lake	1
	Los Angeles	1,517
	Madera	205
	Marin	78
	Mendocino	<1
	Merced	10
	Monterey	3,911
	Napa	36
	Orange	6,866
	Placer	33
	Plumas	<1
	Riverside	724
	Sacramento	44



Active Ingredient	County	Pounds Applied
	San Benito	97
	San Bernardino	561
	San Diego	8,107
	San Francisco	36
	San Joaquin	98
	San Luis Obispo	1,072
	San Mateo	743
	Santa Barbara	1,901
	Santa Clara	1,221
	Santa Cruz	678
	Shasta	<1
	Sierra	<1
	Solano	729
	Sonoma	56
	Stanislaus	240
	Sutter	<1
	Tulare	3,833
	Tuolumne	2
	Ventura	18,138
	Yolo	2
	Total	53,404
Methamidophos	Colusa	34
	Fresno	21,357
	Imperial	5,347
	Kern	1,021
	Kings	3,694
	Lake	32
	Los Angeles	239
	Madera	33
	Merced	2,752
	Modoc	410
	Monterey	967
	Nevada	<1
	Orange	26
	Riverside	559
	Sacramento	296
	San Diego	1,015
	San Joaquin	2,276
	Santa Barbara	816
	Siskiyou	145
	Solano	891
	Stanislaus	385
	Sutter	2,183
	Tulare	98
	Ventura	125
	Yolo	3,172
	Total	47,873

Active Ingredient	County	Pounds Applied
Methidathion	Butte	2,060
	Colusa	278
	Fresno	10,611
	Glenn	69
	Imperial	173
	Kern	26,722
	Kings	1,710
	Madera	3,227
	Merced	3,997
	Monterey	14,220
	Placer	8
	Riverside	2,325
	San Joaquin	4,743
	San Luis Obispo	2
	Santa Barbara	48
	Santa Cruz	15
	Stanislaus	2,557
	Sutter	3,675
	Tehama	92
	Tulare	15,857
Yolo	34	
Yuba	1,100	
	Total	93,521
Methiocarb	Alameda	5
	Contra Costa	48
	Del Norte	4
	Fresno	1
	Humboldt	6
	Los Angeles	127
	Merced	<1
	Monterey	251
	Napa	<1
	Orange	642
	Riverside	3
	San Benito	9
	San Bernardino	6
	San Diego	223
	San Joaquin	2
	San Luis Obispo	273
	San Mateo	275
	Santa Barbara	134
	Santa Clara	99
	Santa Cruz	36
Sonoma	4	
Stanislaus	<1	
Ventura	115	
	Total	2,260

Active Ingredient	County	Pounds Applied
Methomyl	Alameda	1
	Butte	596
	Colusa	7,339
	Contra Costa	6,473
	Del Norte	<1
	El Dorado	<1
	Fresno	101,845
	Glenn	1,965
	Imperial	61,941
	Kern	25,094
	Kings	9,268
	Los Angeles	686
	Madera	7,662
	Marin	<1
	Mariposa	<1
	Mendocino	11
	Merced	29,635
	Monterey	46,820
	Napa	<1
	Nevada	<1
	Orange	1,233
	Placer	6
	Riverside	11,510
	Sacramento	2,460
	San Benito	4,116
	San Bernardino	14
	San Diego	903
	San Francisco	<1
	San Joaquin	2,184
	San Luis Obispo	1,282
	San Mateo	24
	Santa Barbara	2,574
	Santa Clara	1,115
	Santa Cruz	2,392
	Shasta	7
	Solano	3,388
	Sonoma	26
	Stanislaus	7,794
	Sutter	3,040
	Tehama	63
	Tulare	25,799
Ventura	4,749	
Yolo	5,802	
Yuba	<1	
	Total	379,816
Methyl Isothiocyanate	Del Norte	366
	El Dorado	277
	Modoc	49

Active Ingredient	County	Pounds Applied
	Placer	202
	Plumas	52
	Shasta	222
	Sierra	60
	Siskiyou	1,378
	Trinity	266
	Total	2,871
Methyl Parathion	Alameda	4
	Amador	2
	Butte	4,985
	Colusa	183
	Contra Costa	2,087
	Fresno	1,472
	Glenn	212
	Imperial	15
	Kern	849
	Kings	5,748
	Merced	825
	Orange	3
	Sacramento	37
	San Joaquin	13,132
	Santa Barbara	1
	Solano	1,169
	Stanislaus	9,807
	Sutter	3,336
	Tehama	262
	Tulare	24,503
Yolo	99	
Yuba	1,228	
Total	69,959	
Metiram	Napa	2
	San Diego	<1
	Total	2
Metolachlor	Contra Costa	52
	Del Norte	67
	Fresno	1,808
	Glenn	1,074
	Humboldt	181
	Imperial	566
	Kern	1,221
	Kings	5,394
	Los Angeles	27
	Madera	1
	Merced	1,554
	Monterey	1,538
	Orange	46

Active Ingredient	County	Pounds Applied	
	Riverside	2,114	
	Sacramento	350	
	San Benito	5	
	San Bernardino	139	
	San Diego	71	
	San Joaquin	1,274	
	San Luis Obispo	<1	
	San Mateo	7	
	Santa Barbara	1,713	
	Santa Clara	216	
	Solano	<1	
	Stanislaus	4,816	
	Tulare	407	
	Ventura	82	
	Yolo	195	
		Total	24,918
	Metribuzin	Alameda	<1
Butte		<1	
Colusa		347	
Contra Costa		743	
Fresno		300	
Glenn		28	
Imperial		2,593	
Kern		11	
Lassen		274	
Los Angeles		27	
Merced		1,708	
Modoc		2,010	
Monterey		218	
Orange		12	
Riverside		718	
Sacramento		324	
San Benito		581	
San Bernardino		42	
San Diego		93	
San Joaquin		2,515	
Santa Barbara		295	
Santa Clara		91	
Shasta		38	
Siskiyou		3,028	
Solano		329	
Stanislaus		696	
Sutter		903	
Tulare	1		
Ventura	13,511		
Yolo	3,510		
	Total	34,946	

Active Ingredient	County	Pounds Applied
Mevinphos	Glenn	66
	Imperial	2
	Monterey	<1
	San Diego	8
	Santa Clara	1
	Sonoma	316
	Total	393
Molinate	Butte	169,517
	Colusa	98,090
	Fresno	2,754
	Glenn	159,999
	Merced	11,402
	Placer	34,345
	Sacramento	3,417
	San Joaquin	7,125
	Stanislaus	3,577
	Sutter	207,086
	Yolo	30,548
	Yuba	15,405
	Total	743,266
MSMA	Alameda	57
	Amador	7
	Butte	165
	Calaveras	12
	Colusa	184
	Contra Costa	172
	El Dorado	52
	Fresno	14,566
	Glenn	70
	Humboldt	5
	Imperial	17,250
	Kern	2,970
	Kings	14,753
	Lake	1
	Los Angeles	823
	Madera	2,866
	Marin	20
	Mendocino	<1
	Merced	9,875
	Mono	1
	Monterey	556
	Napa	60
	Nevada	27
Orange	2,882	
Placer	474	
Riverside	2,182	
Sacramento	989	

Active Ingredient	County	Pounds Applied
	San Benito	40
	San Bernardino	337
	San Diego	1,073
	San Joaquin	180
	San Luis Obispo	32
	San Mateo	104
	Santa Barbara	216
	Santa Clara	1,055
	Santa Cruz	4
	Shasta	102
	Solano	48
	Sonoma	100
	Stanislaus	712
	Sutter	2,717
	Tulare	4,193
	Tuolumne	17
	Ventura	204
	Yolo	420
	Yuba	38
	Total	82,610
Napropamide	Alameda	280
	Amador	528
	Butte	417
	Calaveras	14
	Colusa	1,544
	Contra Costa	75
	Del Norte	476
	El Dorado	100
	Fresno	10,597
	Glenn	477
	Imperial	1,262
	Kern	8,931
	Kings	749
	Lake	1,274
	Los Angeles	137
	Madera	15,772
	Marin	130
	Mendocino	284
	Merced	36,539
	Monterey	3,208
	Napa	3,718
	Nevada	111
	Orange	148
	Placer	244
	Plumas	8
	Riverside	131
	Sacramento	2,099
	San Benito	1,557

Active Ingredient	County	Pounds Applied
	San Bernardino	71
	San Diego	79
	San Joaquin	9,286
	San Luis Obispo	1,319
	Santa Barbara	5,055
	Santa Clara	2,277
	Santa Cruz	678
	Sierra	1
	Solano	2,845
	Sonoma	2,640
	Stanislaus	5,157
	Sutter	1,271
	Tulare	3,780
	Tuolumne	3
	Ventura	2,639
	Yolo	4,619
	Yuba	619
	Total	133,144
Nicosulfuron	Alameda	3
	Butte	4
	Contra Costa	52
	Fresno	193
	Glenn	70
	Kern	25
	Kings	19
	Madera	23
	Merced	341
	Sacramento	168
	San Joaquin	100
	Solano	10
	Stanislaus	375
	Sutter	1
	Tehama	9
	Tulare	38
	Yolo	3
	Total	1,431
Nitrapyrin	Santa Barbara	16
	Total	16
Norflurazon	Alameda	1,053
	Amador	195
	Butte	4,235
	Calaveras	102
	Colusa	1,480
	Contra Costa	350
	Fresno	36,152
	Glenn	3,104



Active Ingredient	County	Pounds Applied
	Imperial	2,212
	Kern	10,534
	Kings	4,659
	Lake	134
	Los Angeles	1,579
	Madera	14,409
	Marin	24
	Mendocino	384
	Merced	24,746
	Monterey	5,788
	Napa	77
	Nevada	12
	Riverside	12,820
	Sacramento	913
	San Bernardino	5,816
	San Diego	<1
	San Francisco	3
	San Joaquin	10,955
	San Luis Obispo	247
	San Mateo	50
	Santa Barbara	190
	Santa Clara	127
	Shasta	8
	Siskiyou	411
	Solano	1,866
	Sonoma	503
	Stanislaus	17,829
	Sutter	1,976
	Tehama	1,258
	Tulare	40,208
	Tuolumne	8
	Ventura	1,259
	Yolo	2,353
	Yuba	114
	Total	210,140
Oryzalin	Alameda	2,516
	Amador	340
	Butte	2,024
	Calaveras	148
	Colusa	352
	Contra Costa	2,936
	Del Norte	376
	El Dorado	237
	Fresno	11,850
	Glenn	337
	Humboldt	2,633
	Inyo	6
	Kern	5,366

Active Ingredient	County	Pounds Applied
	Kings	1,285
	Lake	1,265
	Lassen	7
	Los Angeles	9,414
	Madera	3,095
	Marin	283
	Mariposa	89
	Mendocino	661
	Merced	2,595
	Monterey	2,906
	Napa	1,127
	Nevada	147
	Orange	3,820
	Placer	1,423
	Plumas	13
	Riverside	2,838
	Sacramento	6,545
	San Benito	1,399
	San Bernardino	1,795
	San Diego	4,428
	San Francisco	29
	San Joaquin	6,757
	San Luis Obispo	3,834
	San Mateo	438
	Santa Barbara	1,599
	Santa Clara	5,162
	Santa Cruz	257
	Shasta	311
	Sierra	9
	Siskiyou	41
	Solano	2,766
	Sonoma	3,646
	Stanislaus	1,933
	Sutter	693
	Tehama	708
	Tulare	6,222
	Tuolumne	70
	Ventura	1,577
	Yolo	772
	Yuba	321
	Total	111,401
Oxydemeton-Methyl	Butte	105
	Calaveras	<1
	Colusa	413
	Contra Costa	976
	Fresno	4,741
	Glenn	20
	Imperial	760

Active Ingredient	County	Pounds Applied
	Kern	226
	Kings	91
	Lassen	80
	Los Angeles	251
	Madera	13
	Mariposa	3
	Merced	84
	Monterey	59,597
	Orange	111
	Riverside	86
	Sacramento	11
	San Benito	2,956
	San Bernardino	4
	San Diego	2
	San Joaquin	813
	San Luis Obispo	6,267
	San Mateo	389
	Santa Barbara	17,568
	Santa Clara	549
	Santa Cruz	2,154
	Shasta	1
	Solano	137
	Sonoma	7
	Stanislaus	188
	Sutter	552
	Tehama	1
	Tulare	82
	Tuolumne	1
	Ventura	1,435
	Yolo	205
	Yuba	81
	Total	100,957
Paraquat Dichloride	Alameda	733
	Amador	503
	Butte	5,496
	Calaveras	101
	Colusa	3,529
	Contra Costa	714
	El Dorado	25
	Fresno	176,653
	Glenn	5,133
	Humboldt	<1
	Imperial	2,672
	Inyo	549
	Kern	136,765
	Kings	79,835
	Lake	362
	Lassen	1,618

Active Ingredient	County	Pounds Applied
	Los Angeles	1,825
	Madera	53,362
	Mendocino	338
	Merced	52,362
	Modoc	1,876
	Monterey	22,172
	Napa	318
	Orange	860
	Placer	133
	Plumas	290
	Riverside	10,244
	Sacramento	12,991
	San Benito	1,280
	San Bernardino	950
	San Diego	236
	San Joaquin	43,110
	San Luis Obispo	8,088
	Santa Barbara	5,276
	Santa Clara	1,357
	Santa Cruz	406
	Shasta	1,051
	Sierra	17
	Siskiyou	4,525
	Solano	10,086
	Sonoma	631
	Stanislaus	25,786
	Sutter	3,750
	Tehama	3,080
	Tulare	68,513
	Tuolumne	8
	Ventura	4,042
	Yolo	11,703
	Yuba	3,465
	Total	768,820

Parathion	Alameda	34
	Butte	407
	Contra Costa	14
	Fresno	829
	Imperial	36
	Kern	462
	Los Angeles	1
	Monterey	4
	Napa	121
	Orange	1
	Riverside	47
	San Diego	2
	San Joaquin	78
	Santa Clara	184

Active Ingredient	County	Pounds Applied
	Santa Cruz	3
	Sonoma	14
	Sutter	338
	Ventura	16
	Total	2,589
Pebulate	Colusa	754
	Fresno	16,975
	Kern	1,334
	Kings	203
	Madera	3,431
	Merced	6,449
	Monterey	704
	Orange	18
	Sacramento	637
	San Benito	5
	San Joaquin	4,711
	Santa Clara	417
	Solano	825
	Stanislaus	23
	Sutter	1,950
Tulare	457	
Yolo	6,727	
Total	45,619	
Phenmedipham	Colusa	1
	Fresno	660
	Imperial	2,743
	Kern	85
	Kings	44
	Madera	17
	Merced	173
	Monterey	23
	San Benito	85
	Santa Barbara	<1
	Stanislaus	48
	Tulare	62
Total	3,942	
Phorate	Alameda	<1
	Colusa	320
	Contra Costa	588
	Del Norte	2,982
	Fresno	10,395
	Glenn	155
	Imperial	5,870
	Kern	3,589
	Kings	10,578
Madera	467	

Active Ingredient	County	Pounds Applied
	Merced	2,872
	Riverside	7,030
	Sacramento	6,855
	San Benito	280
	San Diego	<1
	San Joaquin	9,259
	San Luis Obispo	117
	Santa Clara	143
	Stanislaus	61
	Sutter	63
	Tulare	9,021
	Total	70,645
Phosmet	Amador	44
	Butte	13,285
	Calaveras	194
	Colusa	335
	Contra Costa	5,455
	El Dorado	336
	Fresno	95,970
	Glenn	7,011
	Kern	116,498
	Kings	27,129
	Lake	1,450
	Los Angeles	1,813
	Madera	16,407
	Mendocino	1,706
	Merced	9,044
	Modoc	20
	Monterey	1,400
	Napa	7
	Nevada	39
	Orange	4
	Placer	437
	Riverside	113
	Sacramento	8,032
	San Benito	652
	San Bernardino	162
	San Diego	460
	San Joaquin	10,196
	San Luis Obispo	1,247
	San Mateo	4
	Santa Barbara	1,041
	Santa Clara	64
	Santa Cruz	2,569
	Shasta	356
	Solano	921
	Sonoma	11,726
	Stanislaus	20,861

Active Ingredient	County	Pounds Applied
	Sutter	12,166
	Tehama	5,756
	Tulare	198,364
	Tuolumne	76
	Ventura	1,215
	Yolo	5,844
	Yuba	20,535
	Total	600,942
Phosphamidon	Butte	18
	Sonoma	545
	Sutter	15
	Total	579
Piperalin	Contra Costa	3
	Humboldt	<1
	Madera	1
	Monterey	676
	Orange	1
	Riverside	10
	San Diego	218
	San Joaquin	6
	San Luis Obispo	312
	San Mateo	44
	Santa Barbara	569
	Santa Clara	1,972
	Santa Cruz	839
	Solano	<1
	Sonoma	24
	Ventura	200
Yolo	2	
Total	4,876	
Piperonyl Butoxide	Alameda	317
	Alpine	<1
	Amador	9
	Butte	919
	Calaveras	10
	Colusa	266
	Contra Costa	374
	Del Norte	1
	El Dorado	29
	Fresno	555
	Glenn	208
	Humboldt	9
	Imperial	276
	Inyo	27
	Kern	1,275
Kings	82	

Active Ingredient	County	Pounds Applied
	Lake	85
	Lassen	1
	Los Angeles	2,710
	Madera	1,069
	Marin	72
	Mariposa	6
	Mendocino	15
	Merced	3,385
	Modoc	7
	Mono	2
	Monterey	147
	Napa	84
	Nevada	8
	Orange	1,147
	Placer	49
	Plumas	4
	Riverside	1,897
	Sacramento	292
	San Benito	10
	San Bernardino	973
	San Diego	1,842
	San Francisco	122
	San Joaquin	1,199
	San Luis Obispo	515
	San Mateo	104
	Santa Barbara	112
	Santa Clara	256
	Santa Cruz	85
	Shasta	435
	Sierra	1
	Siskiyou	6
	Solano	191
	Sonoma	141
	Stanislaus	661
	Sutter	365
	Tehama	3,804
	Trinity	5
	Tulare	139
	Tuolumne	16
	Ventura	2,202
	Yolo	156
	Yuba	208
	Total	28,883
Profenofos	Colusa	1,597
	Fresno	9,057
	Imperial	1,272
	Kern	322
	Kings	7,512



Active Ingredient	County	Pounds Applied
	Madera	157
	Merced	527
	Riverside	228
	Santa Clara	5
	Tulare	1,294
	Yolo	40
	Total	22,011
Prohexadione Calcium	Fresno	38
	Madera	36
	Riverside	2
	San Joaquin	1
	Stanislaus	1
	Total	77
Prometon	Siskiyou	1
	Yolo	1
	Total	2
Prometryn	Fresno	118,439
	Imperial	1,497
	Kern	38,630
	Kings	24,233
	Los Angeles	88
	Marin	1
	Merced	6,363
	Monterey	10,071
	Orange	158
	Riverside	1,173
	San Benito	650
	San Diego	2
	San Joaquin	426
	San Luis Obispo	1,086
	Santa Barbara	4,813
	Santa Clara	562
	Santa Cruz	72
	Stanislaus	92
	Tulare	6,300
	Ventura	9,207
Total	223,863	
Propanil	Butte	264,818
	Colusa	349,178
	Glenn	302,677
	Merced	7,705
	Placer	36,518
	Sacramento	20,177
	San Joaquin	24,445
	Stanislaus	9,356

Active Ingredient	County	Pounds Applied
	Sutter	258,978
	Yolo	56,017
	Yuba	91,499
	Total	1,421,370
Propiconazole	Alameda	58
	Amador	<1
	Butte	138
	Calaveras	5
	Colusa	11
	Contra Costa	68
	El Dorado	7
	Fresno	2,154
	Glenn	95
	Humboldt	1
	Imperial	19
	Inyo	8
	Kern	321
	Kings	517
	Lake	1
	Los Angeles	498
	Madera	149
	Marin	23
	Mendocino	<1
	Merced	306
	Modoc	8
	Mono	14
	Monterey	736
	Napa	12
	Nevada	11
	Orange	454
	Placer	41
	Riverside	218
	Sacramento	283
	San Benito	46
	San Bernardino	48
	San Diego	855
	San Francisco	84
	San Joaquin	105
	San Luis Obispo	236
	San Mateo	104
	Santa Barbara	583
	Santa Clara	82
	Santa Cruz	24
	Shasta	157
	Solano	79
	Sonoma	49
	Stanislaus	510
	Sutter	497

Active Ingredient	County	Pounds Applied
	Tehama	35
	Tulare	3,161
	Ventura	1,917
	Yolo	37
	Yuba	179
	Total	14,943
Propyzamide	Alameda	161
	Fresno	22,596
	Glenn	445
	Imperial	5,224
	Kern	205
	Kings	382
	Lassen	137
	Los Angeles	525
	Madera	17
	Merced	406
	Monterey	45,589
	Napa	83
	Orange	104
	Placer	165
	Riverside	3,381
	Sacramento	33
	San Benito	5,035
	San Bernardino	60
	San Diego	310
	San Joaquin	26
	San Luis Obispo	6,763
	Santa Barbara	13,652
	Santa Clara	634
	Santa Cruz	765
	Solano	3
	Sonoma	410
	Stanislaus	128
	Tulare	37
	Ventura	2,369
	Yolo	90
	Total	109,734
Pymetrozine	Alameda	<1
	Amador	2
	Butte	3
	Colusa	12
	Fresno	3
	Glenn	3
	Humboldt	21
	Imperial	43
	Kern	76
	Los Angeles	18

Active Ingredient	County	Pounds Applied
	Madera	1
	Marin	<1
	Merced	33
	Modoc	3
	Monterey	56
	Orange	139
	Placer	<1
	Riverside	2
	Sacramento	<1
	San Benito	8
	San Bernardino	1
	San Diego	213
	San Joaquin	21
	San Luis Obispo	44
	San Mateo	8
	Santa Barbara	153
	Santa Clara	30
	Santa Cruz	55
	Siskiyou	6
	Solano	13
	Sonoma	5
	Stanislaus	69
	Sutter	118
	Tulare	6
	Ventura	41
	Yolo	86
	Yuba	5
	Total	1,293
Pyrazon	Fresno	5,596
	Kings	3,175
	Monterey	80
	Riverside	15
	Sonoma	2
	Tulare	168
	Total	9,036
Pyridate	Alameda	39
	Colusa	92
	Glenn	83
	Madera	284
	Merced	604
	Modoc	37
	Sacramento	195
	San Joaquin	70
	Santa Barbara	3
	Shasta	133
	Tulare	25
	Yolo	217

Active Ingredient	County	Pounds Applied	
		Total	1,781
Pyriithiobac-Sodium	Colusa		38
	Fresno		1,819
	Glenn		7
	Imperial		14
	Kern		337
	Kings		317
	Madera		84
	Merced		318
	Tulare		204
	Yolo		32
	Total		3,169
Rimsulfuron	Colusa		32
	Contra Costa		12
	Fresno		396
	Imperial		1
	Kern		31
	Kings		26
	Madera		7
	Merced		35
	Modoc		20
	Riverside		47
	Sacramento		5
	San Benito		<1
	San Diego		10
	San Joaquin		45
	San Luis Obispo		<1
	Santa Barbara		1
	Siskiyou		43
	Solano		44
	Stanislaus		9
	Sutter		19
Tulare		1	
Ventura		1	
Yolo		47	
	Total		829
Sethoxydim	Alameda		21
	Butte		517
	Calaveras		<1
	Colusa		793
	Contra Costa		184
	El Dorado		<1
	Fresno		2,492
	Glenn		1,517
	Imperial		8,943
	Kern		1,554

Active Ingredient	County	Pounds Applied
	Kings	1,379
	Lake	8
	Los Angeles	22
	Madera	1,797
	Marin	<1
	Mendocino	16
	Merced	3,158
	Modoc	57
	Monterey	159
	Napa	7
	Orange	2
	Placer	10
	Riverside	743
	Sacramento	621
	San Benito	58
	San Bernardino	2
	San Diego	163
	San Joaquin	1,546
	San Luis Obispo	38
	San Mateo	1
	Santa Barbara	318
	Santa Clara	56
	Santa Cruz	<1
	Shasta	94
	Siskiyou	75
	Solano	1,702
	Sonoma	89
	Stanislaus	1,239
	Sutter	541
	Tehama	249
	Tulare	3,236
	Tuolumne	<1
	Ventura	11
	Yolo	2,313
	Yuba	<1
	Total	35,732
Siduron	Alameda	3
	Butte	10
	Contra Costa	10
	Fresno	844
	Kern	254
	Kings	16
	Los Angeles	690
	Orange	14
	Placer	21
	Riverside	3,250
	Sacramento	28
	San Benito	400

Active Ingredient	County	Pounds Applied
	San Diego	458
	San Joaquin	18
	Santa Barbara	20
	Santa Clara	100
	Solano	2
	Tulare	51
	Ventura	229
	Total	6,417
Simazine	Alameda	118
	Amador	754
	Butte	6,196
	Calaveras	4
	Colusa	918
	Contra Costa	696
	El Dorado	279
	Fresno	109,962
	Glenn	3,510
	Humboldt	1
	Inyo	5
	Kern	58,356
	Kings	5,839
	Lake	1,955
	Lassen	66
	Los Angeles	957
	Madera	48,837
	Marin	13
	Mariposa	10
	Mendocino	3,450
	Merced	18,525
	Monterey	17,140
	Napa	6,223
	Nevada	48
	Orange	1,427
	Placer	14
	Riverside	10,623
	Sacramento	8,625
	San Benito	823
	San Bernardino	2,770
	San Diego	7,743
	San Joaquin	32,392
	San Luis Obispo	10,811
	San Mateo	1
	Santa Barbara	6,755
	Santa Clara	147
	Santa Cruz	20
	Shasta	97
	Solano	1,124
	Sonoma	11,287

Active Ingredient	County	Pounds Applied
	Stanislaus	29,491
	Sutter	1,307
	Tehama	3,319
	Tulare	208,274
	Tuolumne	237
	Ventura	9,584
	Yolo	2,729
	Yuba	684
	Total	634,144
Sulfometuron Methyl	Alameda	270
	Alpine	3
	Amador	18
	Butte	147
	Calaveras	52
	Colusa	4
	Contra Costa	263
	Del Norte	67
	El Dorado	32
	Fresno	191
	Glenn	50
	Humboldt	767
	Imperial	16
	Inyo	<1
	Kern	179
	Kings	46
	Lake	7
	Lassen	38
	Los Angeles	3,232
	Madera	45
	Marin	14
	Mariposa	11
	Mendocino	64
	Merced	197
	Modoc	35
	Monterey	30
	Napa	39
	Nevada	8
	Orange	491
	Placer	17
	Plumas	18
	Riverside	575
	Sacramento	166
	San Benito	1
	San Bernardino	1,057
	San Diego	227
	San Francisco	3
	San Joaquin	148
	San Luis Obispo	50



Active Ingredient	County	Pounds Applied
	San Mateo	21
	Santa Barbara	28
	Santa Clara	84
	Santa Cruz	3
	Shasta	31
	Sierra	4
	Siskiyou	38
	Solano	2,164
	Sonoma	57
	Stanislaus	180
	Sutter	6
	Tehama	31
	Trinity	<1
	Tulare	50
	Tuolumne	43
	Ventura	72
	Yolo	44
	Yuba	41
	Total	11,475
Sulprofos	Santa Clara	<1
	Total	<1
Tebuconazole	Alameda	16
	Amador	23
	Butte	103
	Calaveras	4
	Contra Costa	29
	El Dorado	1
	Fresno	10,424
	Imperial	215
	Kern	5,220
	Kings	873
	Lake	61
	Los Angeles	10
	Madera	2,025
	Mendocino	53
	Merced	558
	Monterey	984
	Napa	798
	Placer	1
	Riverside	531
	Sacramento	720
	San Benito	130
	San Joaquin	1,585
	San Luis Obispo	2,158
	Santa Barbara	1,359
	Santa Clara	477
	Solano	76

Active Ingredient	County	Pounds Applied
	Sonoma	1,168
	Stanislaus	616
	Sutter	324
	Tehama	5
	Tulare	4,339
	Tuolumne	1
	Ventura	2
	Yolo	574
	Yuba	143
		Total
Tebufenozide	Butte	190
	Colusa	513
	Contra Costa	148
	Fresno	22,286
	Glenn	157
	Imperial	428
	Kern	6,368
	Kings	6,495
	Lake	379
	Los Angeles	4
	Madera	4,716
	Mariposa	1
	Mendocino	237
	Merced	4,505
	Monterey	4,885
	Napa	23
	Riverside	35
	Sacramento	688
	San Benito	175
	San Bernardino	22
	San Diego	28
	San Joaquin	6,568
	San Luis Obispo	189
	Santa Barbara	441
	Santa Clara	202
	Santa Cruz	129
	Solano	353
	Stanislaus	2,964
	Sutter	491
	Tehama	817
Tulare	7,465	
Tuolumne	5	
Ventura	597	
Yolo	643	
Yuba	95	
	Total	73,240
Tebuthiuron	Alameda	247

Active Ingredient	County	Pounds Applied
	Amador	<1
	Butte	54
	Calaveras	2
	Contra Costa	102
	El Dorado	5
	Fresno	329
	Glenn	14
	Kern	2,479
	Kings	100
	Los Angeles	1,136
	Madera	<1
	Merced	7
	Modoc	8
	Monterey	110
	Napa	10
	Orange	834
	Placer	15
	Riverside	990
	Sacramento	409
	San Benito	<1
	San Bernardino	1,062
	San Diego	89
	San Joaquin	57
	San Luis Obispo	90
	Solano	57
	Sutter	92
	Tehama	3
	Tulare	3
	Ventura	299
	Yolo	18
	Yuba	16
	Total	8,638

Thiazopyr	Amador	4
	El Dorado	2
	Fresno	553
	Kern	368
	Madera	51
	Merced	197
	Monterey	499
	Napa	91
	Placer	3
	Sacramento	17
	San Joaquin	71
	San Luis Obispo	41
	Santa Barbara	36
	Santa Clara	8
	Solano	96
	Sonoma	25

Active Ingredient	County	Pounds Applied
	Stanislaus	2
	Sutter	10
	Tulare	532
	Yolo	44
	Total	2,650
Thiobencarb	Butte	158,362
	Colusa	178,884
	Fresno	13,360
	Glenn	106,730
	Merced	4,620
	Placer	2,284
	Sacramento	21,997
	San Joaquin	3,301
	Stanislaus	2,434
	Sutter	99,596
	Yolo	53,023
	Yuba	1,378
Total	645,970	
Thiophanate-Methyl	Alameda	509
	Amador	<1
	Butte	49
	Calaveras	1
	Colusa	13
	Contra Costa	1,064
	Del Norte	231
	El Dorado	42
	Fresno	1,789
	Glenn	14
	Humboldt	355
	Imperial	1,179
	Kern	2,717
	Kings	920
	Lake	6
	Los Angeles	3,239
	Madera	1,324
	Marin	115
	Mendocino	33
	Merced	4,126
	Monterey	3,978
	Napa	259
	Nevada	9
	Orange	4,335
	Placer	297
	Riverside	5,898
Sacramento	743	
San Benito	101	
San Bernardino	700	

Active Ingredient	County	Pounds Applied
	San Diego	7,916
	San Francisco	156
	San Joaquin	4,995
	San Luis Obispo	885
	San Mateo	4,845
	Santa Barbara	2,980
	Santa Clara	1,256
	Santa Cruz	683
	Shasta	111
	Solano	2,575
	Sonoma	347
	Stanislaus	3,629
	Sutter	8
	Tehama	10
	Tulare	1,306
	Tuolumne	75
	Ventura	2,992
	Yolo	103
	Total	68,916
Tralkoxydim	Imperial	8
	Total	8
Triadimefon	Alameda	11
	Amador	<1
	Butte	5
	Calaveras	<1
	Contra Costa	60
	Del Norte	3
	El Dorado	5
	Fresno	12
	Glenn	<1
	Humboldt	15
	Imperial	15
	Inyo	4
	Kern	873
	Kings	6
	Lake	<1
	Los Angeles	435
	Madera	2
	Marin	2
	Mendocino	10
	Merced	8
	Monterey	75
	Napa	66
	Nevada	4
	Orange	117
	Placer	3
	Plumas	1

Active Ingredient	County	Pounds Applied
	Riverside	630
	Sacramento	27
	San Benito	15
	San Bernardino	15
	San Diego	92
	San Francisco	1
	San Joaquin	29
	San Luis Obispo	118
	San Mateo	53
	Santa Barbara	72
	Santa Clara	47
	Santa Cruz	37
	Shasta	20
	Solano	27
	Sonoma	11
	Stanislaus	4
	Sutter	1
	Tehama	2
	Tulare	19
	Ventura	110
	Yolo	4
	Total	3,063
Triclopyr, Butoxyethyl Ester	Alameda	1,682
	Alpine	9
	Amador	156
	Butte	1,904
	Calaveras	274
	Colusa	578
	Contra Costa	3,110
	Del Norte	2,801
	El Dorado	1,412
	Fresno	436
	Glenn	218
	Humboldt	17,103
	Imperial	10
	Inyo	896
	Kern	145
	Kings	19
	Lake	71
	Lassen	28
	Los Angeles	3,258
	Madera	258
	Marin	544
	Mariposa	136
	Mendocino	248
	Merced	77
	Modoc	6
	Mono	48

Active Ingredient	County	Pounds Applied
	Monterey	1,339
	Napa	171
	Nevada	215
	Orange	1,903
	Placer	767
	Plumas	219
	Riverside	2,698
	Sacramento	2,281
	San Benito	767
	San Bernardino	10,022
	San Diego	2,286
	San Francisco	359
	San Joaquin	10,874
	San Luis Obispo	1,246
	San Mateo	1,260
	Santa Barbara	912
	Santa Clara	2,744
	Santa Cruz	289
	Shasta	2,209
	Sierra	171
	Siskiyou	2,633
	Solano	3,097
	Sonoma	829
	Stanislaus	317
	Sutter	1,514
	Tehama	524
	Tulare	211
	Tuolumne	577
	Ventura	1,373
	Yolo	1,738
	Yuba	1,459
	Total	92,429
Triclopyr, Triethylamine Salt	Alameda	157
	Amador	98
	Butte	8,416
	Calaveras	76
	Colusa	19,399
	Contra Costa	1,457
	El Dorado	109
	Fresno	126
	Glenn	7,744
	Humboldt	35
	Imperial	27
	Kern	15
	Kings	23
	Lassen	2
	Los Angeles	118
	Madera	296

Active Ingredient	County	Pounds Applied
	Marin	150
	Mariposa	64
	Mendocino	17
	Merced	610
	Monterey	1,410
	Napa	88
	Nevada	124
	Orange	41
	Placer	745
	Plumas	18
	Riverside	112
	Sacramento	2,219
	San Benito	86
	San Bernardino	82
	San Diego	1,192
	San Francisco	4
	San Joaquin	1,733
	San Luis Obispo	395
	San Mateo	154
	Santa Barbara	323
	Santa Clara	657
	Santa Cruz	142
	Shasta	2,407
	Siskiyou	5
	Solano	1,047
	Sonoma	399
	Stanislaus	355
	Sutter	14,420
	Tehama	168
	Tulare	9
	Tuolumne	131
	Ventura	31
	Yolo	4,742
	Yuba	6,150
	Total	78,329
Triflumizole	Amador	21
	Butte	20
	Contra Costa	15
	El Dorado	10
	Fresno	2,092
	Kern	2,778
	Kings	37
	Lake	45
	Los Angeles	11
	Madera	1,135
	Mariposa	<1
	Mendocino	298
	Merced	12



Active Ingredient	County	Pounds Applied
	Monterey	3,471
	Napa	720
	Nevada	43
	Orange	23
	Riverside	3
	Sacramento	425
	San Benito	30
	San Bernardino	<1
	San Diego	21
	San Joaquin	829
	San Luis Obispo	675
	San Mateo	2
	Santa Barbara	351
	Santa Clara	6
	Santa Cruz	5
	Solano	101
	Sonoma	1,917
	Stanislaus	55
	Sutter	16
	Tulare	1,744
	Tuolumne	1
	Ventura	13
	Yolo	426
	Yuba	20
	Total	17,372
Triflurosulfuron-Methyl	Colusa	<1
	Fresno	10
	Imperial	375
	Kern	5
	Kings	2
	Merced	7
	Santa Clara	<1
	Tulare	1
	Total	398
Trinexapac-Ethyl	Alameda	5
	Amador	1
	Butte	3
	Contra Costa	24
	Fresno	25
	Humboldt	<1
	Imperial	3
	Kern	15
	Los Angeles	163
	Madera	7
	Marin	<1
	Merced	6
	Monterey	93

Active Ingredient	County	Pounds Applied
	Nevada	1
	Orange	88
	Placer	23
	Riverside	432
	Sacramento	17
	San Benito	9
	San Bernardino	39
	San Diego	269
	San Francisco	<1
	San Joaquin	11
	San Luis Obispo	4
	San Mateo	12
	Santa Barbara	22
	Santa Clara	85
	Santa Cruz	<1
	Shasta	<1
	Solano	<1
	Sonoma	18
	Stanislaus	5
	Tuolumne	<1
	Ventura	42
	Yolo	12
	Total	1,436
Uniconizole-P	Contra Costa	<1
	Del Norte	<1
	Los Angeles	<1
	Madera	<1
	Monterey	<1
	Napa	<1
	Riverside	<1
	San Benito	<1
	San Diego	<1
	San Joaquin	<1
	San Luis Obispo	<1
	San Mateo	<1
	Santa Barbara	<1
	Santa Clara	4
	Santa Cruz	<1
	Sonoma	<1
	Ventura	<1
	Total	4
Vinclozolin	Alameda	27
	Butte	17
	Colusa	642
	Contra Costa	20
	Fresno	4,685
	Glenn	52

Active Ingredient	County	Pounds Applied
	Humboldt	18
	Imperial	1,461
	Kern	176
	Kings	292
	Los Angeles	288
	Marin	5
	Mendocino	8
	Monterey	16,221
	Orange	131
	Riverside	62
	Sacramento	2
	San Benito	165
	San Diego	392
	San Francisco	32
	San Joaquin	12
	San Luis Obispo	1,146
	San Mateo	76
	Santa Barbara	3,835
	Santa Clara	29
	Santa Cruz	138
	Siskiyou	2
	Sonoma	6
	Stanislaus	3
	Tulare	906
	Ventura	1,330
	Yolo	35
	Total	32,210

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