

2001 STATUS REPORT PESTICIDE CONTAMINATION PREVENTION ACT

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



California Environmental Protection Agency
DEPARTMENT OF PESTICIDE REGULATION

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California Department of Pesticide Regulation

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**2001 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 gaps 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. These active ingredients are listed in this report and include tables with 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 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 Ground Water Protection List (GWPL) found in Title 3 of the California Code of Regulations. The GWPL 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. The second sublist consists of chemicals that have been detected in ground water or soil in California pursuant to FAC section 13149. Under the PCPA, DPR has set regulatory use restrictions for these chemicals.

REPORT SUMMARY

Section I

DPR must provide information about active ingredients whose pesticides are registered for agricultural use. The information includes identifying active ingredients with ground water protection data gaps, providing a list of active ingredients that exceed the SNVs and providing use information about these active ingredients.

Section II

This section lists the one remaining active ingredient that still contains data gaps.

Section III

This section identifies the registered and unregistered active ingredients that exceed the SNVs established by DPR. For the 130 active ingredients registered for agricultural use, there are additional data detailing the annual sales, type of use and total use reported in California.

CONCLUSION

Sixteen years since the passage of the Pesticide Contamination Prevention Act, DPR has one remaining active ingredient that still has data gaps. The registrant has committed to filling this gap.

DPR continually updates the pesticide chemistry database to report the active ingredients that exceed the SNVs and to quantify their annual sales and use in California.

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**I. REPORT REQUIREMENTS PURSUANT TO THE
CONTAMINATION PREVENTION ACT**

PESTICIDE

The Pesticide Contamination Prevention Act of 1985 requires that the Department of Pesticide Regulation (DPR) provide the following information for each pesticide 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 a pesticide for which there is a ground water protection gap.
2. A list of each pesticide 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 pesticide 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 pesticide was used, and when this information is available in the Pesticide Use Report.

The information is presented in the following two sections. The section titled "Active Ingredients with Ground Water Protection Data Gaps" identifies the remaining active ingredients that contain data gaps from the ground water protection data call-in list established in 1986. The section titled "Active Ingredients Exceeding the Specific Numerical Values" identifies the active ingredients with leaching potential. For the 130 active ingredients registered for agricultural use, there are additional data detailing the annual sales, type of use and total use reported in California.

II. ACTIVE INGREDIENTS WITH GROUND WATER PROTECTION DATA GAPS

In 1986, DPR established a list of 174 active ingredients that were subject to ground water protection data requirements pursuant to the PCPA. As of December 2001, one active ingredient from this list, chlorthal-dimethyl still contains data gaps. DPR has accepted one of two required field dissipation studies and has received a commitment from the registrant to submit additional information to upgrade the study status on the remaining field dissipation study.

Chemical Name: CHLORTHAL-DIMETHYL²

Chemical Code: 179

Study Category	Status of Data
Solubility (water)	Adequate data on file.
Vapor Pressure	Adequate data on file.
Octanol/Water Partition Coeff.	Adequate data on file.
Soil Adsorption Coefficient	Adequate data on file.
Henry's Law Constant	Adequate data on file.
Hydrolysis	Adequate data on file.
Photolysis: Soil	Adequate data on file.
Photolysis: Water	Adequate data on file.
Soil Metabolism: Aerobic	Adequate data on file.
Soil Metabolism: Anaerobic	Adequate data on file.
Field Dissipation	Data not adequate

Adequate data on file – Data on file for the study are adequate and no additional data are required.

Data not adequate – Data on file are not adequate, the 90-day response period has expired, and no petition for reconsideration is pending.

III. 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, § 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 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, § 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 section 13144 of the PCPA to be at least equal to those established by the U.S. Environmental Protection Agency (U.S. EPA). To date, the U.S. EPA has not established any SNVs.

Pursuant to section 13144(b) of the Act, 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 (Food & Agr. Code § 6800 [b]). Table 1 is a list of candidate potential leachers that are contained in currently registered pesticides and their respective mean physicochemical parameter values.

There are three new active ingredients on the 2001 list compared to the 2000 list:

fludioxonil
glufosinate-ammonium
prohexadione calcium

Fludioxonil is a fungicide. Glufosinate-ammonium is an herbicide. Prohexadione calcium is a growth regulator.

The following active ingredients exceeded the SNVs, but because they are not used in pesticides currently registered for use in California (registration status as of October 1, 2001), 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

Acibenzolar-s-methyl

Ametryne

Amitrole

Anilazine

Azafenidin

Bromoxynil butyrate

Clopyralid

Dicamba, diethanolamine salt

Dichlorprop-p*

Diclotophos

Diethyl-ethyl

Diflufenzopyr, sodium salt*

Diphenamid

Dodecyl ammonium methanearsonate

Dodemorph acetate

Endothall, disodium salt

Fensulfothion

Fluometuron

Fonofos

Halofenozide

Hymexazol

Isazophos

Mcpp, diethanolamine salt

Mecoprop-p

Methoxyfenozide*

Metolachlor
Metsulfuron-methyl
Mevinphos
Naptalam, sodium salt
Octylammonium methanearsonate
Parathion
Phosalone
Phosphamidon
Picloram, potassium salt
Quinclorac*
Sulprofos
Terbacil
Terbutryn
Thifensulfuron-methyl
Triallate
Vernolate

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

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 pesticide was used. The 2000 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 2000 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 (2001 Report).

Active Ingredient	Solubility	K _{oc}	Hydrolysis	Aerobic	Anaerobic
	(ppm)	(cm ³ /g)	(days)	Metabolism	Metabolism
	SNV > 3	SNV < 1,900	SNV > 14	(days) SNV > 610	(days) SNV > 9
2,4-D	27,644	45	39 ^a	34	333
2,4-D, butoxyethanol and isooctyl esters	NA	45	1	34	333
2,4-D, diethanolamine salt	656,750	45	39 ^a	34	333
4(2,4-DB), dimethylamine salt	742,000	191	35	24	269
Acephate	818,000	3	169	3	6
Alachlor	200	131	30 ^a	20	5
Aldicarb	5870	239	28 ^a	2	2
Atrazine	32	93	30 ^a	146	159
Azinphos-methyl	28	882	19	44	68
Azoxystrobin	6	581	31 ^a	112	119
Bensulide	6	16,583	220	432	1,890
Bentazon, sodium salt	530	116	30 ^a	40	365
Bromacil	929	17	30 ^a	346	72
Butylate	44	397	533	70	64
Cacodylic acid	2,570,000	2,660	35 ^a	NA	365
CAMA	1,040,000	1,676	35	266	NA
Carbaryl	113	326	12	6	87
Carbofuran	351	NA	18	22	20
Chloropicrin	2,000	25	191 ^a	3	NA
Chlorothalonil	1	1,787	49 ^a	35	8
Chlorsulfuron	28,296	35	1,230	28	162
Clethodim	6,634	116	30 ^a	3	191
Cyanazine	155	188	3,680	15	108
Cycloate	95	12,941	30	43	109
	Solubility	K_{oc}	Hydrolysis	Aerobic	Anaerobic
				Metabolism	Metabolism

Active Ingredient	(ppm) SNV > 3	(cm³/g) SNV < 1,900	(days) SNV > 14	(days) SNV > 610	(days) SNV > 9
Cyprodinil	16	1,470	32	126	183
Cyromazine	13,600	756	28	63	97
Dazomet	3,630	NA	0.15	0.75	14
Diazinon	60	1,581	138	40	16
Dicamba	28,895	5	30 ^a	10	88
Dicamba, Dimethylamine salt	NA	5	30 ^a	10	88
Dichlobenil	21	0.06	1,810	NA	NA
Dicloran	6	804	72 ^a	549	66
Difenzoquat methyl sulfate	817,000	74,086	NA	1,605	6,810
Dimethipin	4,600	11	60 ^a	NA	1,279
Dimethoate	39,800	11	68	2	22
Diquat dibromide	677,000	352,898	30 ^a	3,450	1,060
Disulfoton	12	522	176	2	NA
Dithiopyr	1	1,043	NA	871	21,700
Diuron	36	499	1,285	372	995
Dodine	1,040	2,570,000	914	7.38	365
DSMA	1,040,000	1,676	35	266	NA
Endothall, dipotassium salt	NA	750	36 ^a	8	8
EPTC	345	170	30 ^a	42	65
Ethofumesate	50	150	2,900	93	NA
Ethoprop	843	161	449	34	130
Fenamiphos	482	341	300	23	88
Fenarimol	15	757	28	1,100	1,622
Fenhexamid	150	853	30	1	97
Fenoxycarb	6	1,540	60 ^a	84	136
Fenthion	4	1,870	41	NA	NA
Fipronil	22	749	30	366	123
Fluazifop-butyl	1	1,772	28 ^a	1	3
Fludioxonil ^c	NA	1,614	NA	NA	365
Flurprimidol	127	314	153,000	NA	3,620
	Solubility (ppm)	K_{oc} (cm³/g)	Hydrolysis (days)	Aerobic Metabolism (days)	Anaerobic Metabolism (days)

Active Ingredient	SNV > 3	SNV < 1,900	SNV > 14	SNV > 610	SNV > 9
Flutolanil	NA	905	30 ^a	NA	NA
Formetanate hydrochloride	822,000	371	0.96	8	15
Fosetyl-Al, technical	136,000	325	30 ^a	0.04	2
Glufosinate-ammonium ^c	NA	785	30	20	NA
Glyphosate, isopropylamine salt	11,600	6,922	35 ^a	96	22
Glyphosate-trimesium	3,310,000	24,750	796	6	52
Halosulfuron	1,650	124	14	51	23
Hexazinone	298,000	640	56 ^a	222	232
Imazethapyr	351	53	NA	2,412	568
Imidacloprid	514	262	30 ^a	997	27
Iprodione	12	NA	5	64	32
Isoxaben	2	351	1,270	205	NA
Kresoxim-methyl	NA	437	34	2	1
Linuron	77	341	262	22	102
Malathion	125	291	6	2	30
MCPA, dimethylamine salt	1,469,000	34	30	24	1,872
MCPP acid (mecoprop, MCPPA)	734	26	31	13	541
MCPP, dimethylamine salt	1,060,000	26	31	13	541
MCPP, potassium salt	1,060,000	26	31	13	541
Mepiquat chloride	500,000	NA	NA	39	359
Metalaxyl	8,405	163	1,000	62	68
Metaldehyde	190	34	6,150	67	223
Methamidophos	1,200,000	8	21	0.58	NA
Methidathion	221	341	26	3	NA
Methiocarb	27	655	24	64	64
Methomyl	547,000	43	30 ^a	46	1
Methyl isothiocyanate	8,230	NA	20	NA	NA
Methyl parathion	70	476	45	12	1
Metiram	NA	913	1,070	0.52	14
	Solubility (ppm)	K_{oc} (cm³/g)	Hydrolysis (days)	Aerobic Metabolism (days)	Anaerobic Metabolism (days)
Active Ingredient	SNV > 3	SNV < 1,900	SNV > 14	SNV > 610	SNV > 9
Metribuzin	1,032	106	4,760	140	276

Molinate	970	199	1,560	NA	105
MSMA	1,040,000	1,676	35 ^a	266	NA
Napropamide	74	726	35 ^a	455	51
Nicosulfuron	18,486	36	30 ^a	26	63
Nitrapyrin	72	333	8	30	59
Norflurazon	34	617	2,650	172	348
Oryzalin	3	848	28 ^a	63	10
Oxydemeton-methyl	NA	30	40	6	4
Paraquat dichloride	626,000	NA	30 ^a	620	644
Pebulate	100	457	234	108	257
Phenmedipham	6	NA	0.61	54	47
Phorate	29	657	3	3	14
Phosmet	20	5,807	0.38	7	27
Piperalin	20	23,609	16	NA	NA
Piperonyl butoxide, technical	14	1,805 ^b	250	79	927
Profenofos	28	2,011	43	2	3
Prohexadione calcium ^c	NA	570	65	NA	NA
Prometon	718	124	1,125	459	61
Prometryn	33	277	28 ^a	274	316
Propanil	152	518	5,000	2	3
Propiconazole	100	656	NA	71	211
Propyzamide	13	889	42 ^a	392	762
Pymetrozine	NA	1,100	30	491	90.5
Pyrazon	380	13,781	1,370	124	488
Pyridate	1	55	1	4	30
Pyriithiobac sodium	NA	14	35	60	60
Rimsulfuron	3,750	49	7	21	18
(S)-metolachlor	480	185	200 ^d	38.4	60.5 ^d
	Solubility (ppm)	K_{oc} (cm³/g)	Hydrolysis (days)	Aerobic Metabolism (days)	Anaerobic Metabolism (days)
Active Ingredient	SNV > 3	SNV < 1,900	SNV > 14	SNV > 610	SNV > 9
Sethoxydim	6,949	47	47	6	25
Siduron	NA	201	30	895	3,770
Simazine	6	340	28 ^a	110	71

Sulfometuron-methyl	4,250	89	30 ^a	52	116
Tebuconazole	NA	1,000	28 ^a	597	1,260
Tebufenozide	1	605	30 ^a	405	179
Tebuthiuron	2,600	90	395 ^a	1,220	1,520
Thiazopyr	2	204	30	274	338
Thiobencarb	28	530	160 ^a	37	306
Thiophanate-methyl	25	225	41	1	2
Triadimefon	64	364	1,760	6	23
Triclopyr, butoxyethyl ester	7	62	7	13	26
Triclopyr, triethylamine salts	NA	62	NA	13	1,600
Triflumizole	18	1,244	116	23	67
Triflusulfuron-methyl	2,816 ^b	61	32 ^a	89	22
Trinexapac-ethyl	11,367	440	456	0.2	13
Uniconazole-P	8	NA	30 ^a	332	NA
Vinclozolin	3	260	1	28	15

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 - Property value is different from the 2000 report due to additional data submissions.

c - New active ingredient in the 2001 PCPA Status Report; these active ingredients were not listed in the 2000 report.

d- Metolachlor data which has been grouped with (s)-metolachlor

NA- Not available

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

Active Ingredient	^aPounds Sold
2,4-d	180,536
2,4-d, butoxyethanol and isooctyl ester	6,280
2,4-d, diethanolamine salt	12,799
4(2,4-db), dimethylamine salt	13,512
Acephate	328,563
Alachlor	^b CI
Aldicarb	CI
Atrazine	88,330
Azinphos methyl	222,453
Azoxystrobin	CI
Bensulide	207,811
Bentazon, sodium salt	CI
Bromacil	106,624
Butylate	^c NS
Cacodylic acid	18,734
CAMA	76,602
Carbaryl	517,896
Carbofuran	CI
Chloropicrin	4,562,493
Chlorothalonil	1,234,175
Chlorsulfuron	CI
Clethodim	CI
Cyanazine	NS
Cycloate	CI
Cyprodinil	CI
Cyromazine	CI
Dazomet	120,536
Diazinon	1,318,741
Dicamba	6,302
Dicamba, dimethylamine salt	55,713
Dichlobenil	2,268
Dicloran	108,394
Difenzoquat methyl sulfate	CI
Dimethipin	CI
Dimethoate	360,254
Diquat dibromide	161,990
Disulfoton	124,824
Dithiopyr	20,708
Diuron	763,426
Dodine	NS
DSMA	19
Endothall, dipotassium salt	CI
EPTC	488,071
Ethofumesate	9,407
Ethoprop	8,256
Fenamiphos	CI
Fenarimol	9,180
Fenhexamid	CI
Active Ingredient	^aPounds Sold
Fenoxycarb	124

Fenthion	130
Fipronil	1,283
Fluazifop-butyl	23,932
Fludioxonil	CI
Flurprimidol	NS
Flutolanil	CI
Formetanate hydrochloride	CI
Fosetyl-al	357,666
Glufosinate-ammonium	19
Glyphosate, isopropylamine salt	8,877,577
Glyphosate-trimesium	CI
Halosulfuron	CI
Hexazinone	CI
Imazethapyr	CI
Imidacloprid	88,033
Iprodione	326,234
Isoxaben	10,439
Kresoxim-methyl	NS
Linuron	43,200
Malathion	958,602
MCPA, dimethylamine salt	82,348
MCPP	144,382
MCPP, dimethylamine salt	205,935
MCPP, potassium salt	4,763
Mepiquat chloride	29,331
Metalaxyl	2,987
Metaldehyde	470,164
Methamidophos	222,427
Methidathion	CI
Methiocarb	3,312
Methomyl	662,523
Methyl isothiocyanate	NS
Methyl parathion	85,561
Metiram	NS
Metribuzin	28,377
Molinate	CI
MSMA	286,598
Napropamide	57,507
Nicosulfuron	CI
Nitrapyrin	CI
Norflurazon	CI
Oryzalin	349,933
Oxydemeton-methyl	105,268
Paraquat dichloride	1,194,713
Pebulate	CI
Phenmedipham	CI
Phorate	95,584
Phosmet	689,759
Piperalin	CI
Active Ingredient	^aPounds Sold
Piperonyl butoxide	107,311
Profenofos	CI
Prohexadione calcium	NS
Prometon	19,545

Prometryn	248,261
Propanil	1,832,062
Propiconazole	16,748
Propyzamide	CI
Pymetrozine	CI
Pyrazon	CI
Pyridate	CI
Pyrithiobac-sodium	CI
Rimsulfuron	CI
(S)-metolachlor	CI
Sethoxydim	CI
Siduron	15,336
Simazine	709,100
Sulfometuron-methyl	CI
Tebuconazole	5,584
Tebufenozide	CI
Tebuthiuron	1,778
Thiazopyr	CI
Thiobencarb	1,094,201
Thiophanate-methyl	85,831
Triadimefon	4,487
Triclopyr, butoxyethyl ester	110,925
Triclopyr, triethylamine salt	132,796
Triflumizole	CI
Triflusulfuron-methyl	CI
Trinexapac-ethyl	CI
Uniconazole-p	CI
Vinclozolin	39,974

a - Sales data derived from DPR sales database for the year 2000.

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

c - No sales reported for this active ingredient during 2000.

Table 3. Use of active ingredients that have exceeded the specific numerical values (2001 report)^a.

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
4(2,4-DB), dimethylamine salts	Herbicide	Selective, postemergent
Acephate	Insecticide	Contact, systemic
Alachlor	Herbicide	Pre-emergent
Aldicarb	Insecticide/ acaricide	Systemic
Atrazine	Herbicide	Selective, residual
Azinphos-methyl	Insecticide	Contact, nonsystemic
Azoxystrobin	Fungicide	Foliar
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
CAMA	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
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
Dicamba	Herbicide	Selective, systemic
Dicamba, dimethylamine salt	Herbicide	Selective, systemic
Dichlobenil	Herbicide	Selective, cellulose
Active Ingredient	Use	Description
Dicloran	Fungicide	Pre-, postharvest

Difenzoquat methyl sulfate	Herbicide	Selective, postemergent
Dimethipin	Plant growth regulator	Systemic
Dimethoate	Insecticide/ acaricide	Systemic
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
Halosulfuron	Herbicide	Pre-, postemergent
Hexazinone	Herbicide	Contact, residual
Imazethapyr	Herbicide	Selective pre-, postemergent
Imidacloprid	Insecticide	Systemic
Iprodione	Fungicide	Contact
Active Ingredient	Use	Description
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
Mepiquat chloride	Bioregulator	Harvest aid
Metalaxyl	Fungicide	Seed treatment, soil, foliar
Metaldehyde	Molluscicide	Contact
Methamidophos	Insecticide/ acaricide	Narrow spectrum
Methodathion	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
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
Active Ingredient	Use	Description
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
Pyriproxyfen sodium	Herbicide	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
Thiazopyr	Herbicide	Selective, preemergent
Thiobencarb	Herbicide	Pre-, postemergent
Thiophanate-methyl	Fungicide	Systemic, broad spectrum
Triademefon	Fungicide	Systemic
Triclopyr, butoxyethyl ester	Herbicide	Systemic, postemergent
Triclopyr, triethylamine salts	Herbicide	Systemic, postemergent
Triflumizole	Fungicide	Systemic, broad spectrum
Triflurosulfuron-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: Merck Index, 12th edition. 1996. Merck & Co., Inc. Rahway, NJ

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

Table 4. Pesticide use reported during 2000 for active ingredients exceeding the specific numerical values*.

Active Ingredient	County	Pounds Applied
2,4-D	Alameda	6.33
	Amador	0.00
	Butte	4.72
	Calaveras	3.83
	Colusa	35.81
	Contra Costa	9.83
	El Dorado	1.02
	Fresno	64.21
	Glenn	60.69
	Kern	4.13
	Los Angeles	169.97
	Madera	9.03
	Marin	0.25
	Mendocino	4.27
	Merced	45.81
	Monterey	16.62
	Napa	0.11
	Orange	102.60
	Placer	1.12
	Riverside	82.89
	Sacramento	4.33
	San Bernardino	35.22
	San Diego	26.48
	San Francisco	0.00
	San Joaquin	31.83
	San Luis Obispo	21.82
	San Mateo	47.81
	Santa Barbara	12.14
	Santa Clara	53.95
	Santa Cruz	0.22
	Shasta	9.29
	Siskiyou	356.75
	Solano	274.53
	Sonoma	16.54
	Stanislaus	37.50
	Sutter	7.42
	Tehama	3.58
	Tulare	3.24
	Ventura	54.91
	Yolo	96.92
	Total	1,717.72
2,4-d, butoxyethanol ester	Alameda	16.51

Active Ingredient	County	Pounds Applied
	Butte	19.04
	Del Norte	30.78
	El Dorado	41.40
	Glenn	107.65
	Los Angeles	104.45
	Marin	62.45
	Mendocino	8.24
	Merced	223.68
	Monterey	5.25
	Orange	296.55
	Riverside	163.18
	San Bernardino	6.86
	San Joaquin	10.98
	San Luis Obispo	19.60
	Shasta	166.16
	Siskiyou	2,104.83
	Solano	484.77
	Stanislaus	32.82
	Tulare	21.71
	Tuolumne	8.92
	Yolo	172.06
	Total	4,107.89
2,4-d, diethanolamine salt	Butte	511.48
	Colusa	83.79
	Contra Costa	1.38
	Fresno	572.78
	Glenn	706.95
	Kings	29.31
	Madera	205.09
	Merced	1,939.09
	Sacramento	216.88
	San Benito	27.68
	San Joaquin	3,178.32
	Solano	31.40
	Sonoma	0.01
	Stanislaus	2,811.98
	Sutter	293.95
	Tehama	321.44
	Tulare	523.58
	Yolo	8.08
	Yuba	75.67
	Total	11,538.85
2,4-d, isooctyl ester	Alameda	32.06

Active Ingredient	County	Pounds Applied
	Amador	4.24
	Butte	166.02
	Calaveras	2.93
	El Dorado	19.79
	Glenn	166.29
	Los Angeles	402.21
	Marin	118.55
	Mariposa	56.54
	Orange	195.11
	Placer	214.86
	Riverside	376.19
	San Benito	198.79
	San Bernardino	582.63
	San Diego	9.25
	Shasta	467.32
	Siskiyou	1,592.77
	Stanislaus	20.90
	Tuolumne	508.87
	Total	5,135.31
4(2,4-db), dimethylamine salt	Alameda	57.94
	Amador	12.33
	Butte	1,414.50
	Colusa	282.56
	Fresno	502.82
	Glenn	1,380.65
	Imperial	3,210.90
	Kern	359.87
	Kings	1,957.62
	Madera	1,409.96
	Mendocino	59.04
	Merced	1,088.22
	Riverside	243.33
	Sacramento	146.28
	San Benito	82.60
	San Joaquin	1,704.39
	Shasta	56.37
	Siskiyou	677.02
	Solano	3,132.22
	Stanislaus	475.38
	Sutter	56.97
	Tehama	75.79
	Tulare	53.13
	Yolo	3,030.75
	Yuba	28.98

Active Ingredient	County	Pounds Applied	
		Total	21,499.60
Acephate	Alameda		268.60
	Amador		0.35
	Butte		440.66
	Calaveras		0.53
	Colusa		5,197.98
	Contra Costa		262.78
	Del Norte		28.30
	El Dorado		27.18
	Fresno		33,572.73
	Glenn		1,189.67
	Imperial		12,712.85
	Kern		4,355.62
	Kings		854.43
	Los Angeles		3,014.96
	Madera		281.06
	Marin		68.65
	Mariposa		5.25
	Mendocino		36.77
	Merced		4,066.70
	Monterey		76,150.20
	Napa		52.71
	Nevada		8.71
	Orange		6,614.20
	Placer		198.64
	Riverside		7,567.40
	Sacramento		915.66
	San Benito		5,356.46
	San Bernardino		1,146.18
	San Diego		4,444.54
	San Francisco		320.19
	San Joaquin		13,534.87
	San Luis Obispo		2,836.23
	San Mateo		412.65
	Santa Barbara		8,196.46
	Santa Clara		3,769.60
	Santa Cruz		3,192.89
	Shasta		38.54
	Siskiyou		3.39
	Solano		2,341.64
	Sonoma		246.87
Stanislaus		20,291.96	
Sutter		5,434.86	
Tehama		69.61	

Active Ingredient	County	Pounds Applied
	Tulare	1,261.64
	Tuolumne	0.29
	Ventura	11,311.59
	Yolo	908.47
	Yuba	1.83
	Total	243,013.37
Alachlor	Butte	218.34
	Fresno	10,946.54
	Glenn	1,773.21
	Kern	39.88
	Los Angeles	71.78
	Monterey	1,340.44
	Riverside	41.50
	Sacramento	1,065.72
	San Benito	271.02
	San Diego	5.98
	Santa Barbara	4,487.38
	Santa Clara	250.56
	Solano	3,312.21
	Tulare	1,407.19
	Ventura	5,733.57
	Yolo	3,307.50
	Total	34,272.82
Aldicarb	Colusa	5,443.24
	Fresno	93,646.11
	Glenn	1,212.00
	Imperial	2,604.15
	Kern	46,449.95
	Kings	77,540.21
	Madera	15,033.71
	Merced	34,925.21
	Riverside	170.31
	Sacramento	525.75
	San Bernardino	0.40
	San Diego	0.26
	San Joaquin	1,205.85
	San Luis Obispo	1.40
	Santa Barbara	0.18
	Santa Clara	1.43
	Santa Cruz	3.36
	Solano	270.90
	Stanislaus	422.88
	Sutter	2,564.99

Active Ingredient	County	Pounds Applied
	Tulare	32,781.70
	Yolo	5,912.64
	Total	320,716.63
Atrazine	Amador	29.91
	Butte	147.81
	Calaveras	295.83
	Colusa	44.00
	Contra Costa	1,233.07
	Del Norte	1,359.86
	El Dorado	429.08
	Fresno	19.03
	Imperial	7,251.77
	Los Angeles	245.50
	Monterey	9.90
	Nevada	595.84
	Placer	752.77
	Riverside	82.78
	Sacramento	10,099.58
	San Joaquin	6,855.11
	San Luis Obispo	3.59
	Santa Barbara	3.57
	Santa Clara	5.64
	Shasta	6,561.57
	Solano	239.47
	Tehama	3,089.13
	Tuolumne	6,795.54
	Ventura	69.52
	Yuba	106.17
	Total	46,326.01
Azinphos methyl	Butte	10,945.98
	Colusa	2,599.70
	Contra Costa	2,683.88
	El Dorado	1,077.51
	Fresno	13,302.10
	Glenn	7,639.60
	Kern	78,377.73
	Kings	6,290.41
	Los Angeles	42.24
	Madera	6,695.42
	Mendocino	1,151.25
	Merced	2,455.69
	Monterey	215.03
	Placer	23.00

Active Ingredient	County	Pounds Applied
	Sacramento	1,748.80
	San Benito	141.75
	San Diego	318.00
	San Francisco	0.08
	San Joaquin	7,121.04
	San Luis Obispo	777.00
	San Mateo	45.50
	Santa Barbara	764.50
	Santa Clara	0.10
	Santa Cruz	278.57
	Shasta	5.91
	Solano	1,151.70
	Stanislaus	5,456.44
	Sutter	1,543.63
	Tehama	1,579.50
	Tulare	12,799.31
	Yolo	1,302.60
	Yuba	2,292.95
	Total	170,826.91
Azoxystrobin	Alameda	1,132.56
	Amador	16.19
	Butte	8,728.16
	Calaveras	18.06
	Colusa	3,083.70
	Contra Costa	237.65
	El Dorado	9.48
	Fresno	19,388.80
	Glenn	4,918.21
	Imperial	52.40
	Kern	21,044.12
	Kings	509.31
	Los Angeles	312.81
	Madera	16,056.12
	Marin	4.79
	Mendocino	140.10
	Merced	11,088.09
	Monterey	5,199.86
	Napa	1,936.30
	Nevada	9.47
	Orange	417.09
	Placer	163.67
	Riverside	975.94
	Sacramento	1,045.24
	San Benito	411.70

Active Ingredient	County	Pounds Applied
	San Bernardino	43.75
	San Diego	600.57
	San Francisco	17.86
	San Joaquin	3,160.20
	San Luis Obispo	1,120.33
	San Mateo	54.71
	Santa Barbara	1,875.98
	Santa Clara	128.35
	Santa Cruz	57.61
	Shasta	37.70
	Siskiyou	95.61
	Solano	809.14
	Sonoma	1,616.58
	Stanislaus	5,499.09
	Sutter	2,499.03
	Tehama	771.11
	Tulare	11,933.71
	Ventura	419.88
	Yolo	1,818.18
	Yuba	347.76
	Total	129,806.96
Bensulide	Alameda	227.45
	Butte	215.83
	Contra Costa	40.50
	Fresno	5,108.90
	Glenn	14.16
	Imperial	95,488.40
	Kings	40.08
	Los Angeles	433.61
	Madera	131.34
	Monterey	39,693.29
	Nevada	46.13
	Orange	157.59
	Placer	3.15
	Riverside	12,726.20
	Sacramento	773.17
	San Benito	8,750.86
	San Bernardino	9,813.11
	San Diego	168.85
	San Joaquin	310.70
	San Luis Obispo	1,980.72
	Santa Barbara	3,902.46
	Santa Clara	614.18
	Santa Cruz	499.05

Active Ingredient	County	Pounds Applied
	Shasta	119.23
	Solano	41.42
	Sonoma	25.64
	Stanislaus	3,387.98
	Tehama	17.80
	Tulare	409.84
	Tuolumne	37.74
	Ventura	6,056.35
	Yolo	41.00
	Total	191,276.68
Bentazon, sodium salt	Colusa	35.92
	Kern	743.17
	Orange	17.63
	San Bernardino	9.33
	San Francisco	1.52
	San Joaquin	134.80
	San Luis Obispo	3.87
	San Mateo	10.37
	Santa Barbara	138.24
	Santa Clara	1.04
	Santa Cruz	11.65
	Siskiyou	2.28
	Sutter	54.11
	Yolo	0.26
	Total	1,164.19
Bromacil	Alameda	306.41
	Butte	61.60
	Calaveras	19.20
	Colusa	643.60
	Contra Costa	1,849.82
	El Dorado	25.00
	Fresno	3,165.05
	Glenn	672.25
	Imperial	149.20
	Kern	6,485.75
	Kings	440.62
	Los Angeles	746.42
	Madera	318.40
	Mendocino	8.00
	Monterey	133.68
	Napa	122.00
	Orange	640.72
	Placer	19.20

Active Ingredient	County	Pounds Applied
	Riverside	9,938.49
	Sacramento	702.78
	San Bernardino	709.08
	San Diego	202.80
	San Francisco	44.40
	San Joaquin	788.00
	San Luis Obispo	420.80
	San Mateo	166.00
	Santa Barbara	48.00
	Santa Clara	27.20
	Shasta	162.00
	Siskiyou	56.40
	Solano	10.40
	Stanislaus	565.30
	Sutter	1,086.72
	Tehama	845.78
	Tulare	9,971.62
	Tuolumne	91.40
	Ventura	4,615.32
	Yolo	1,089.95
	Yuba	18.00
	Total	47,367.35
Butylate	Fresno	778.32
	Kern	13,374.56
	Kings	4,092.66
	Merced	517.14
	Sacramento	6,280.68
	San Joaquin	79.27
	Stanislaus	2,928.61
	Tulare	3,674.31
	Total	31,725.54
Cacodylic acid	Colusa	96.02
	Fresno	7,478.67
	Glenn	7.55
	Imperial	38.47
	Kern	1,351.93
	Kings	1,310.64
	Los Angeles	1.73
	Madera	308.48
	Merced	1,065.41
	Napa	0.01
	Orange	8.67
	Riverside	6.68

Active Ingredient	County	Pounds Applied
	San Bernardino	2.12
	San Diego	1.82
	San Luis Obispo	0.54
	Santa Barbara	1.55
	Santa Clara	5.13
	Tulare	1,346.42
	Yolo	46.05
	Total	13,077.89
CAMA	Alameda	0.07
	Sacramento	0.01
	San Diego	0.00
	San Luis Obispo	0.12
	Santa Barbara	0.02
	Santa Clara	0.33
	Sonoma	0.39
	Total	0.94
Carbaryl	Alameda	161.42
	Amador	4.86
	Butte	8,449.53
	Calaveras	178.82
	Colusa	705.21
	Contra Costa	2,601.27
	El Dorado	473.75
	Fresno	24,629.82
	Glenn	4,020.19
	Imperial	6,385.80
	Kern	56,840.81
	Kings	6,917.59
	Los Angeles	3,808.95
	Madera	26,596.83
	Marin	242.21
	Mariposa	95.85
	Mendocino	109.83
	Merced	7,316.64
	Monterey	14,713.30
	Napa	120.29
	Nevada	68.23
	Orange	838.56
	Placer	2,158.73
	Riverside	3,693.85
	Sacramento	5,081.11
	San Benito	1,039.89
	San Bernardino	827.10

Active Ingredient	County	Pounds Applied
	San Diego	1,447.56
	San Francisco	104.08
	San Joaquin	17,485.23
	San Luis Obispo	2,037.11
	San Mateo	122.36
	Santa Barbara	1,009.21
	Santa Clara	1,558.00
	Santa Cruz	7,052.55
	Shasta	538.49
	Siskiyou	1.29
	Solano	3,206.27
	Sonoma	1,061.56
	Stanislaus	5,278.37
	Sutter	27,512.74
	Tehama	178.38
	Tulare	93,020.14
	Tuolumne	249.32
	Ventura	10,329.47
	Yolo	7,457.85
	Yuba	4,182.27
	Total	361,914.56
Carbofuran	Alameda	927.65
	Butte	4,588.86
	Colusa	4,152.30
	Contra Costa	872.61
	Del Norte	2.13
	Fresno	12,391.98
	Glenn	1,148.36
	Imperial	8,942.28
	Kern	5,809.11
	Kings	7,343.66
	Los Angeles	2,101.89
	Madera	2,026.25
	Merced	2,617.26
	Monterey	6,780.75
	Placer	1,267.75
	Riverside	21.18
	Sacramento	1,032.00
	San Bernardino	56.36
	San Joaquin	15,885.63
	San Luis Obispo	1,398.95
	Santa Clara	112.09
	Santa Cruz	4.80
	Siskiyou	20.53

Active Ingredient	County	Pounds Applied
	Solano	1,535.67
	Stanislaus	2,074.06
	Sutter	4,162.19
	Tulare	7,214.63
	Yolo	2,363.17
	Yuba	1,410.51
	Total	98,264.60
Chloropicrin	Butte	6,386.22
	Contra Costa	1,274.58
	El Dorado	812.38
	Fresno	40,910.85
	Glenn	11,709.65
	Imperial	43,461.84
	Kern	78,867.75
	Kings	9,811.42
	Los Angeles	7,051.45
	Madera	2,535.32
	Mendocino	102.81
	Merced	52,547.80
	Monterey	1,119,509.15
	Napa	1,251.96
	Nevada	0.97
	Orange	180,174.02
	Placer	299.95
	Riverside	27,391.70
	Sacramento	3,995.14
	San Benito	32,019.55
	San Bernardino	18,618.72
	San Diego	148,634.79
	San Joaquin	71,114.38
	San Luis Obispo	85,372.39
	Santa Barbara	237,604.91
	Santa Clara	31,509.10
	Santa Cruz	434,295.11
	Shasta	69,202.52
	Siskiyou	63,191.57
	Solano	2,880.16
	Sonoma	557.05
	Stanislaus	45,961.07
	Sutter	25,412.09
	Tehama	26,376.47
	Tulare	6,046.50
	Ventura	663,209.81
	Yolo	916.07

Active Ingredient	County	Pounds Applied
	Yuba	2.65
	Total	3,551,019.85
Chlorothalonil	Alameda	935.69
	Amador	19.59
	Butte	1,664.89
	Colusa	11,151.11
	Contra Costa	5,816.22
	Del Norte	5,418.10
	El Dorado	24.10
	Fresno	127,364.76
	Glenn	2,673.18
	Imperial	11,379.62
	Kern	88,456.66
	Kings	25,606.84
	Los Angeles	11,513.41
	Madera	3,231.59
	Marin	150.18
	Mariposa	4.55
	Mendocino	27.84
	Merced	45,164.81
	Monterey	21,476.42
	Napa	516.84
	Nevada	138.08
	Orange	10,824.53
	Placer	441.31
	Riverside	8,684.09
	Sacramento	6,287.54
	San Benito	8,311.24
	San Bernardino	2,580.60
	San Diego	15,350.86
	San Francisco	230.37
	San Joaquin	25,906.45
	San Luis Obispo	9,173.04
	San Mateo	1,067.88
	Santa Barbara	16,871.46
	Santa Clara	3,756.04
	Santa Cruz	3,401.49
	Shasta	617.70
	Siskiyou	8,589.42
	Solano	4,163.47
	Sonoma	313.95
	Stanislaus	11,192.16
	Sutter	9,295.59
	Tehama	23.95

Active Ingredient	County	Pounds Applied
	Tulare	11,541.28
	Ventura	55,340.56
	Yolo	17,622.41
	Yuba	1,502.44
	Total	595,824.32
Chlorsulfuron	Alameda	5.84
	Amador	0.67
	Butte	28.12
	Calaveras	1.59
	Colusa	1.23
	Contra Costa	25.90
	El Dorado	2.90
	Glenn	4.39
	Kern	7.00
	Los Angeles	21.16
	Madera	2.46
	Marin	0.03
	Mariposa	1.71
	Monterey	40.97
	Napa	0.73
	Nevada	2.01
	Orange	90.84
	Placer	2.69
	Riverside	70.22
	Sacramento	1.95
	San Benito	0.90
	San Bernardino	24.47
	San Diego	7.52
	San Francisco	0.23
	San Joaquin	5.60
	San Luis Obispo	108.10
	San Mateo	0.20
	Santa Barbara	69.64
	Santa Clara	112.18
	Santa Cruz	0.11
	Shasta	5.25
	Siskiyou	7.73
	Solano	47.08
	Sonoma	25.10
	Stanislaus	5.30
	Sutter	33.11
	Tehama	1.92
	Tulare	78.73
	Tuolumne	9.44

Active Ingredient	County	Pounds Applied
	Yolo	33.58
	Yuba	0.65
	Total	889.25
Clethodim	Alameda	0.09
	Amador	0.61
	Butte	14.66
	Colusa	39.60
	Contra Costa	44.06
	Fresno	1,721.96
	Glenn	431.27
	Imperial	2,399.43
	Kern	1,063.09
	Kings	2,001.96
	Los Angeles	55.37
	Madera	1,657.19
	Merced	2,457.25
	Monterey	0.16
	Napa	0.06
	Placer	0.24
	Riverside	1,281.08
	Sacramento	104.02
	San Benito	3.81
	San Bernardino	208.86
	San Diego	2.33
	San Joaquin	573.67
	San Luis Obispo	0.99
	Santa Barbara	16.86
	Santa Clara	0.06
	Santa Cruz	0.11
	Shasta	59.73
	Siskiyou	33.85
	Solano	183.25
	Stanislaus	216.89
	Sutter	50.44
	Tehama	71.41
	Tulare	2,406.11
	Yolo	85.72
	Yuba	19.52
	Total	17,205.72
Cyanazine	Colusa	3,107.22
	Contra Costa	900.04
	Fresno	9,928.09
	Glenn	404.06

Active Ingredient	County	Pounds Applied
	Imperial	86.43
	Kern	4,176.08
	Kings	8,203.63
	Madera	133.25
	Merced	6,701.40
	Monterey	51.71
	Riverside	92.21
	Sacramento	2,108.26
	San Joaquin	746.27
	Santa Clara	8.96
	Stanislaus	468.67
	Sutter	118.20
	Tulare	5,449.36
	Yolo	811.56
	Total	43,495.39
Cycloate	Colusa	115.11
	Fresno	4,873.56
	Imperial	6,134.98
	Kern	75.84
	Madera	439.95
	Merced	3,132.12
	Monterey	9,873.87
	Orange	1.50
	Riverside	1,461.96
	Sacramento	514.23
	San Benito	1,745.63
	San Bernardino	51.85
	San Luis Obispo	647.01
	Santa Barbara	1,397.10
	Santa Clara	131.47
	Santa Cruz	82.71
	Stanislaus	430.86
	Ventura	1,877.74
	Yolo	1,409.21
	Total	34,396.69
Cyprodinil	Alameda	380.52
	Butte	7,345.30
	Calaveras	2.53
	Colusa	1,606.08
	Contra Costa	205.13
	El Dorado	19.83
	Fresno	12,068.50
	Glenn	6,161.47

Active Ingredient	County	Pounds Applied
	Kern	17,689.74
	Kings	990.52
	Madera	5,711.53
	Mendocino	579.13
	Merced	3,137.92
	Monterey	5,231.44
	Napa	1,527.32
	Placer	33.87
	Riverside	11.95
	Sacramento	764.64
	San Benito	187.48
	San Joaquin	2,389.09
	San Luis Obispo	2,080.38
	San Mateo	58.92
	Santa Barbara	3,798.73
	Santa Clara	74.54
	Santa Cruz	31.13
	Shasta	28.59
	Solano	567.69
	Sonoma	4,004.82
	Stanislaus	3,697.32
	Sutter	3,055.17
	Tehama	1,376.70
	Tulare	8,489.93
	Yolo	2,160.77
	Yuba	1,381.64
	Total	96,850.32
Cyromazine	Fresno	518.79
	Los Angeles	2.95
	Merced	188.01
	Monterey	3,247.16
	Orange	10.73
	Riverside	24.95
	San Benito	279.44
	San Bernardino	109.41
	San Diego	50.40
	San Joaquin	29.38
	San Luis Obispo	84.81
	Santa Barbara	101.53
	Santa Clara	347.22
	Santa Cruz	72.96
	Sonoma	0.50
	Stanislaus	538.10
	Ventura	630.35

Active Ingredient	County	Pounds Applied
Dazomet	Yolo	0.14
	Alameda	445.50
	Los Angeles	2,722.69
	Monterey	99.00
	Orange	1,752.35
	Riverside	56.24
	San Bernardino	41.70
	San Diego	1,939.02
	Santa Clara	274.23
	Santa Cruz	276.21
	Shasta	675.18
	Ventura	127.22
	Total	14,646.18
Diazinon	Alameda	5,464.61
	Amador	267.72
	Butte	13,148.05
	Calaveras	457.90
	Colusa	2,675.62
	Contra Costa	16,005.53
	Del Norte	8.00
	El Dorado	2,526.40
	Fresno	64,458.60
	Glenn	8,551.54
	Imperial	42,664.53
	Kern	26,271.37
	Kings	12,421.09
	Los Angeles	203,052.36
	Madera	47,478.55
	Marin	3,005.29
	Mariposa	515.03
	Mendocino	140.62
	Merced	9,266.93
	Monterey	120,773.36
	Napa	534.76
	Nevada	2,560.46
	Orange	21,476.57
	Placer	3,679.83
	Riverside	18,147.01
	Sacramento	14,206.38
	San Benito	24,130.47
	San Bernardino	26,579.88
	San Diego	15,519.77
	San Francisco	224.29
San Joaquin	22,850.58	

Active Ingredient	County	Pounds Applied
	San Luis Obispo	10,450.88
	San Mateo	7,673.17
	Santa Barbara	4,808.35
	Santa Clara	24,324.54
	Santa Cruz	7,988.80
	Shasta	1,445.16
	Siskiyou	4.70
	Solano	3,139.74
	Sonoma	2,816.78
	Stanislaus	54,283.13
	Sutter	25,348.20
	Tehama	4,339.92
	Tulare	20,752.48
	Tuolumne	2,803.70
	Ventura	10,100.84
	Yolo	7,377.08
	Yuba	11,484.43
	Total	928,204.98
Dicamba	Alameda	3.12
	Amador	0.00
	Butte	0.21
	Calaveras	0.25
	Contra Costa	3.05
	El Dorado	0.92
	Los Angeles	15.36
	Madera	0.85
	Marin	0.15
	Mendocino	0.40
	Monterey	2.67
	Orange	9.64
	Placer	3.95
	Riverside	8.74
	Sacramento	2.16
	San Bernardino	3.32
	San Diego	8.03
	San Francisco	1.30
	San Joaquin	3.19
	San Luis Obispo	1.97
	San Mateo	2.90
	Santa Barbara	5.96
	Santa Clara	5.03
	Shasta	0.83
	Solano	0.77
	Sonoma	6.72

Active Ingredient	County	Pounds Applied
	Sutter	0.02
	Ventura	5.04
	Total	96.56
Dicamba, dimethylamine salt	Alameda	1,026.20
	Amador	6.06
	Butte	183.87
	Calaveras	0.75
	Colusa	78.45
	Contra Costa	3,433.48
	El Dorado	9.51
	Fresno	1,647.79
	Glenn	512.18
	Kern	819.36
	Kings	3,917.39
	Los Angeles	442.07
	Madera	431.11
	Marin	0.71
	Mariposa	5.14
	Mendocino	0.42
	Merced	1,077.39
	Monterey	499.42
	Napa	4.40
	Nevada	0.90
	Orange	316.99
	Placer	56.69
	Riverside	578.44
	Sacramento	938.23
	San Benito	62.07
	San Bernardino	517.15
	San Diego	241.57
	San Francisco	9.89
	San Joaquin	583.80
	San Luis Obispo	361.79
	San Mateo	156.94
	Santa Barbara	233.83
	Santa Clara	433.15
	Santa Cruz	0.02
	Shasta	130.83
	Siskiyou	1,216.04
	Solano	1,147.29
	Sonoma	159.36
	Stanislaus	489.19
	Sutter	251.13
	Tehama	205.04

Active Ingredient	County	Pounds Applied
	Tulare	7,807.39
	Tuolumne	91.14
	Ventura	263.13
	Yolo	2,354.22
	Yuba	2.89
	Total	32,704.79
Dichlobenil	Alameda	103.12
	Contra Costa	29.14
	El Dorado	4.00
	Los Angeles	113.49
	Marin	2.33
	Napa	160.00
	Orange	29.63
	Placer	7.17
	Riverside	4.13
	Sacramento	6.74
	San Bernardino	40.32
	San Diego	320.09
	San Joaquin	3.00
	San Mateo	13.16
	Santa Clara	19.86
	Santa Cruz	15.20
	Solano	2.76
	Sonoma	7.06
	Stanislaus	34.50
	Tulare	16.00
	Tuolumne	
	Ventura	1.40
	Yolo	681.20
	Total	682.60
Dicloran	Colusa	1,946.24
	Contra Costa	48.60
	Del Norte	8.78
	Fresno	2,374.09
	Imperial	1,174.72
	Kern	3,169.11
	Kings	213.15
	Madera	525.56
	Mendocino	48.00
	Merced	148.66
	Monterey	51,190.41
	Napa	411.03
	Orange	1,669.93

Active Ingredient	County	Pounds Applied
	Riverside	18.00
	Sacramento	156.60
	San Benito	2,649.73
	San Joaquin	342.00
	San Luis Obispo	626.23
	Santa Barbara	2,752.93
	Santa Clara	856.72
	Santa Cruz	2,736.43
	Sonoma	2,114.61
	Stanislaus	1,057.59
	Tulare	5,587.19
	Ventura	34,071.90
	Yolo	0.38
	Total	115,898.59
Difenzoquat methyl sulfite	Colusa	698.54
	Kern	903.17
	Kings	5,837.01
	Merced	50.66
	Monterey	1,896.59
	San Joaquin	135.24
	San Luis Obispo	1,211.64
	Siskiyou	3,505.21
	Solano	563.39
	Tulare	233.14
	Yolo	480.49
	Total	15,515.08
Dimethipin	Fresno	241.91
	Kern	442.56
	Kings	50.48
	Madera	24.64
	Tulare	613.87
	Total	1,373.45
Dimethoate	Alameda	128.40
	Butte	673.37
	Colusa	2,402.97
	Contra Costa	2,282.43
	Del Norte	188.44
	Fresno	19,469.30
	Glenn	1,887.96
	Imperial	69,251.67
	Kern	25,651.04
	Kings	19,401.19

Active Ingredient	County	Pounds Applied
	Los Angeles	1,096.11
	Madera	1,724.56
	Marin	21.72
	Mendocino	79.82
	Merced	7,397.30
	Monterey	37,415.85
	Napa	634.48
	Orange	1,062.17
	Placer	124.95
	Riverside	14,044.68
	Sacramento	1,648.70
	San Benito	3,308.32
	San Bernardino	16,340.17
	San Diego	655.98
	San Francisco	4.85
	San Joaquin	24,307.72
	San Luis Obispo	3,163.87
	San Mateo	385.90
	Santa Barbara	13,802.85
	Santa Clara	1,372.79
	Santa Cruz	2,030.44
	Siskiyou	646.02
	Solano	4,995.43
	Sonoma	363.68
	Stanislaus	20,701.31
	Sutter	5,986.96
	Tehama	141.14
	Tulare	27,564.34
	Ventura	3,069.57
	Yolo	11,615.50
	Yuba	142.21
	Total	347,186.20
Diquat dibromide	Alameda	634.16
	Amador	59.69
	Butte	318.63
	Calaveras	15.10
	Colusa	0.35
	Contra Costa	573.16
	El Dorado	143.41
	Fresno	12,157.97
	Glenn	1,710.37
	Imperial	6,191.75
	Kern	2,141.29
	Kings	10,061.89

Active Ingredient	County	Pounds Applied
	Los Angeles	1,758.98
	Madera	186.69
	Marin	255.52
	Mariposa	80.07
	Mendocino	18.87
	Merced	228.39
	Monterey	1,516.60
	Napa	2,382.41
	Nevada	406.73
	Orange	4,682.53
	Placer	406.94
	Riverside	6,240.48
	Sacramento	1,400.05
	San Benito	181.76
	San Bernardino	1,533.74
	San Diego	1,365.65
	San Francisco	4.37
	San Joaquin	1,509.72
	San Luis Obispo	759.42
	San Mateo	1,349.34
	Santa Barbara	1,661.29
	Santa Clara	491.35
	Santa Cruz	161.58
	Shasta	119.86
	Siskiyou	612.58
	Solano	238.66
	Sonoma	258.35
	Stanislaus	178.97
	Sutter	340.39
	Tehama	112.31
	Tulare	77.39
	Tuolumne	67.21
	Ventura	481.92
	Yolo	350.16
	Yuba	169.87
	Total	65,597.91
Disulfoton	Alameda	0.73
	Butte	0.26
	Contra Costa	2.09
	Fresno	2,656.97
	Glenn	0.17
	Imperial	11,072.12
	Kern	1,973.89
	Kings	1,103.88

Active Ingredient	County	Pounds Applied
	Los Angeles	4.14
	Merced	989.75
	Monterey	13,036.15
	Orange	61.37
	Placer	0.60
	Riverside	2,042.86
	Sacramento	1,646.02
	San Benito	1,407.56
	San Bernardino	0.72
	San Diego	23.27
	San Francisco	0.00
	San Joaquin	19,325.33
	San Luis Obispo	1,062.23
	San Mateo	0.00
	Santa Barbara	109.32
	Santa Clara	745.56
	Santa Cruz	191.41
	Shasta	0.09
	Siskiyou	1,841.84
	Solano	42.02
	Sonoma	0.87
	Stanislaus	242.23
	Sutter	339.07
	Tulare	35.48
	Ventura	4,360.79
	Yolo	40.73
	Total	64,359.52
Dithiopyr	Alameda	88.83
	Butte	17.58
	Calaveras	2.96
	Contra Costa	188.71
	El Dorado	5.02
	Fresno	14.37
	Glenn	13.88
	Kings	8.38
	Los Angeles	4,101.55
	Madera	34.65
	Marin	80.83
	Monterey	17.90
	Napa	89.77
	Nevada	0.09
	Orange	113.39
	Placer	101.04
	Riverside	41.44

Active Ingredient	County	Pounds Applied
	Sacramento	82.82
	San Bernardino	42.85
	San Diego	382.64
	San Francisco	4.98
	San Joaquin	61.05
	San Luis Obispo	4.87
	San Mateo	32.38
	Santa Barbara	6.33
	Santa Clara	662.24
	Shasta	1,795.12
	Solano	6.38
	Sonoma	38.13
	Stanislaus	4.51
	Sutter	27.94
	Tehama	2.06
	Tuolumne	98.17
	Ventura	22.90
	Yolo	32.19
	Yuba	80.96
	Total	8,308.91
Diuron	Alameda	30,874.26
	Amador	4,614.78
	Butte	6,955.02
	Calaveras	3,918.24
	Colusa	4,265.10
	Contra Costa	15,933.25
	Del Norte	545.66
	El Dorado	931.65
	Fresno	50,497.93
	Glenn	8,865.44
	Imperial	34,311.27
	Kern	55,383.99
	Kings	74,098.93
	Los Angeles	36,049.80
	Madera	55,608.60
	Marin	508.28
	Mariposa	660.01
	Mendocino	1,156.59
	Merced	27,406.14
	Monterey	4,315.70
	Napa	2,965.89
	Nevada	1,032.32
	Orange	3,187.94
	Placer	18,574.82

Active Ingredient	County	Pounds Applied
	Riverside	32,604.64
	Sacramento	31,536.01
	San Benito	4,125.63
	San Bernardino	36,054.33
	San Diego	7,371.93
	San Francisco	669.21
	San Joaquin	74,247.65
	San Luis Obispo	4,633.19
	San Mateo	1,819.96
	Santa Barbara	10,641.81
	Santa Clara	16,424.66
	Santa Cruz	1,136.55
	Shasta	4,280.62
	Siskiyou	2,584.23
	Solano	14,474.77
	Sonoma	1,714.28
	Stanislaus	34,460.78
	Sutter	5,349.42
	Tehama	12,063.26
	Tulare	88,450.73
	Tuolumne	5,078.03
	Ventura	18,364.45
	Yolo	24,378.53
	Yuba	3,718.06
	Total	878,844.33
Dodine	Mendocino	1,043.25
	Sacramento	1,746.23
	Yolo	81.90
	Total	2,871.38
Dsma	Los Angeles	48.52
	Orange	0.21
	Riverside	2.86
	Sonoma	8.26
	Total	59.85
Endothall, dipotassium salt	Alameda	3.81
	Calaveras	41.61
	Contra Costa	45.76
	El Dorado	53.39
	Glenn	15.52
	Kings	105.32
	Los Angeles	180.30
	Madera	47.67

Active Ingredient	County	Pounds Applied
	Mariposa	16.16
	Mendocino	9.53
	Napa	16.16
	Nevada	613.88
	Orange	23.32
	Riverside	363.11
	Sacramento	359.30
	San Bernardino	123.94
	San Diego	334.30
	San Joaquin	1,673.68
	San Luis Obispo	37.82
	Sonoma	8.08
	Tehama	1.91
	Tulare	42.21
	Tuolumne	19.07
	Total	4,135.87
Eptc	Butte	3,951.22
	Colusa	714.59
	Contra Costa	6,240.25
	Fresno	15,144.89
	Glenn	5,304.06
	Imperial	63,986.33
	Kern	26,793.05
	Kings	28,213.24
	Madera	17,143.60
	Merced	21,303.39
	Monterey	3,334.98
	Orange	0.05
	Riverside	6,700.93
	Sacramento	8,723.14
	San Benito	183.06
	San Joaquin	19,109.75
	San Luis Obispo	4,374.64
	Santa Barbara	4,011.15
	Santa Clara	101.83
	Santa Cruz	191.78
	Siskiyou	1,841.04
	Solano	3,286.22
	Stanislaus	7,251.68
	Sutter	4,448.78
	Tulare	24,067.98
	Ventura	396.72
	Yolo	10,196.86
	Total	287,015.21

Active Ingredient	County	Pounds Applied
Ethofumesate	Alameda	305.37
	Amador	7.70
	Butte	7.59
	Colusa	95.18
	Fresno	1,050.80
	Glenn	273.95
	Imperial	536.03
	Kern	35.51
	Kings	85.14
	Los Angeles	11.32
	Madera	42.39
	Merced	1,519.46
	Monterey	228.97
	Napa	4.21
	Nevada	2.06
	Orange	7.90
	Placer	25.68
	Riverside	558.58
	Sacramento	128.15
	San Benito	144.30
	San Bernardino	17.94
	San Diego	8.06
	San Joaquin	515.35
	San Luis Obispo	0.47
	San Mateo	327.78
	Santa Barbara	7.52
	Santa Clara	417.01
	Shasta	52.26
	Solano	26.62
	Tulare	510.23
Ventura	40.04	
Yolo	146.74	
	Total	7,140.30
Ethoprop	Mendocino	66.70
	Merced	962.07
	Monterey	1,249.06
	San Joaquin	3,002.49
	San Luis Obispo	478.48
	Santa Barbara	584.96
	Siskiyou	7,917.80
	Stanislaus	1,728.95
	Ventura	23.60
	Total	16,014.11

Active Ingredient	County	Pounds Applied
Fenamiphos	Contra Costa	5.00
	Fresno	26,136.00
	Kern	20,632.41
	Kings	494.74
	Los Angeles	801.90
	Madera	11,546.06
	Mendocino	1,923.56
	Merced	3,804.67
	Monterey	1,093.27
	Napa	138.49
	Riverside	428.61
	San Benito	479.77
	San Francisco	165.00
	San Joaquin	4,698.04
	San Luis Obispo	2,516.60
	San Mateo	124.28
	Santa Barbara	1,452.21
	Santa Cruz	93.52
	Sonoma	2,440.47
	Stanislaus	327.00
Tulare	15,538.34	
Ventura	1,363.00	
Yolo	4.37	
	Total	96,207.29
Fenarimol	Alameda	31.54
	Amador	19.04
	Calaveras	0.07
	Contra Costa	24.75
	Del Norte	3.98
	El Dorado	13.06
	Fresno	2,944.66
	Kern	581.05
	Kings	53.97
	Los Angeles	16.91
	Madera	1,579.29
	Marin	0.19
	Mariposa	0.65
	Mendocino	139.31
	Merced	115.32
	Monterey	597.01
	Napa	390.95
Nevada	2.35	
Orange	18.29	

Active Ingredient	County	Pounds Applied
	Placer	7.19
	Riverside	81.34
	Sacramento	206.97
	San Benito	41.28
	San Bernardino	7.76
	San Diego	21.62
	San Francisco	35.28
	San Joaquin	222.51
	San Luis Obispo	45.28
	San Mateo	26.33
	Santa Barbara	332.09
	Santa Clara	40.53
	Santa Cruz	155.51
	Solano	23.60
	Sonoma	256.74
	Stanislaus	133.16
	Sutter	11.22
	Tulare	549.91
	Tuolumne	1.37
	Ventura	16.32
	Yolo	113.43
	Total	8,861.86
Fenhexamid	Amador	3.75
	Contra Costa	9.94
	Fresno	13.25
	Kern	41.25
	Los Angeles	28.09
	Madera	6.95
	Mendocino	301.74
	Monterey	11,894.22
	Napa	293.42
	Orange	2,641.86
	Riverside	48.09
	Sacramento	95.56
	San Benito	74.80
	San Bernardino	66.28
	San Diego	474.29
	San Joaquin	297.83
	San Luis Obispo	680.62
	San Mateo	20.79
	Santa Barbara	3,857.39
	Santa Clara	23.47
	Santa Cruz	2,885.83
	Solano	92.50

Active Ingredient	County	Pounds Applied
	Sonoma	3,745.68
	Tulare	209.50
	Ventura	7,500.40
	Yolo	17.25
	Total	35,324.75
Fenoxycarb	Alameda	0.17
	Butte	0.10
	Colusa	0.29
	Contra Costa	0.02
	Fresno	8.67
	Los Angeles	3.52
	Madera	0.01
	Marin	0.04
	Mariposa	0.00
	Orange	37.17
	Placer	0.03
	Riverside	0.77
	Sacramento	1.20
	San Diego	0.50
	San Francisco	2.02
	San Joaquin	0.35
	San Mateo	20.72
	Santa Barbara	0.05
	Santa Clara	0.10
	Shasta	0.48
	Sonoma	0.00
	Sutter	0.42
	Ventura	0.01
	Yolo	0.01
	Yuba	1.41
	Total	78.07
Fenthion	Monterey	29.63
	Orange	0.39
	Santa Clara	2.79
	Sonoma	0.03
	Total	32.84
Fipronil	Alameda	0.35
	Amador	0.00
	Butte	0.38
	Calaveras	0.00
	Colusa	0.00
	Contra Costa	12.36

Active Ingredient	County	Pounds Applied
	Del Norte	0.00
	El Dorado	0.00
	Glenn	0.01
	Imperial	26.53
	Kings	0.02
	Los Angeles	142.01
	Madera	0.01
	Marin	47.77
	Mariposa	0.00
	Mendocino	0.00
	Monterey	0.01
	Napa	0.08
	Nevada	0.00
	Orange	2.22
	Placer	0.02
	Riverside	5.77
	Sacramento	12.07
	San Benito	0.00
	San Bernardino	57.02
	San Diego	0.27
	San Francisco	0.30
	San Joaquin	0.09
	San Luis Obispo	0.73
	San Mateo	0.11
	Santa Barbara	0.01
	Santa Clara	0.15
	Santa Cruz	0.03
	Shasta	0.04
	Siskiyou	0.00
	Solano	0.02
	Sonoma	0.02
	Stanislaus	0.04
	Sutter	0.05
	Tehama	0.01
	Tuolumne	0.00
	Ventura	0.05
	Yolo	2.03
	Yuba	0.01
	Total	310.63
Fluazifop-butyl	Alameda	9.68
	Amador	0.58
	Butte	19.57
	Contra Costa	64.62
	El Dorado	0.17

Active Ingredient	County	Pounds Applied
	Fresno	1,063.80
	Glenn	7.07
	Imperial	1,287.76
	Kern	2,631.54
	Kings	688.55
	Los Angeles	442.49
	Madera	219.48
	Marin	3.61
	Mendocino	0.02
	Merced	393.90
	Monterey	149.50
	Napa	3.39
	Nevada	2.75
	Orange	278.58
	Placer	10.82
	Riverside	287.13
	Sacramento	33.97
	San Bernardino	84.46
	San Diego	178.30
	San Francisco	0.92
	San Joaquin	385.94
	San Luis Obispo	103.45
	San Mateo	4.49
	Santa Barbara	508.72
	Santa Clara	14.22
	Santa Cruz	1.92
	Shasta	68.22
	Siskiyou	355.24
	Solano	2.33
	Sonoma	5.43
	Stanislaus	117.40
	Sutter	0.03
	Tehama	0.25
	Tulare	558.87
	Tuolumne	0.33
	Ventura	59.13
	Yolo	7.80
	Yuba	142.22
	Total	10,198.69
Fludioxonil	Kings	21.72
	Santa Barbara	4.60
	Santa Clara	0.01
	Sutter	10.69
	Total	37.02

Active Ingredient	County	Pounds Applied
Flutolanil	Alameda	150.85
	Butte	131.84
	Calaveras	11.90
	Contra Costa	134.45
	El Dorado	4.20
	Glenn	0.44
	Imperial	3.50
	Los Angeles	842.87
	Madera	29.40
	Marin	224.88
	Monterey	101.76
	Napa	25.72
	Orange	558.14
	Placer	275.52
	Riverside	1,067.78
	Sacramento	99.44
	San Benito	31.71
	San Bernardino	28.00
	San Diego	824.95
	San Francisco	30.80
	San Joaquin	121.80
	San Luis Obispo	61.62
	San Mateo	85.36
	Santa Barbara	54.58
	Santa Clara	343.38
	Santa Cruz	19.60
	Sonoma	175.00
	Stanislaus	7.33
	Tuolumne	0.38
	Ventura	55.18
Yuba	0.75	
	Total	5,503.11
Formetanate hydrochloride	Butte	36.80
	Calaveras	63.66
	Contra Costa	37.90
	El Dorado	11.74
	Fresno	12,637.69
	Imperial	1,954.92
	Kern	4,790.36
	Kings	3,225.79
	Los Angeles	189.98
	Madera	762.68
	Merced	373.84

Active Ingredient	County	Pounds Applied
	Riverside	35.42
	Sacramento	27.60
	San Bernardino	0.46
	San Joaquin	777.27
	San Luis Obispo	213.90
	Solano	2.76
	Stanislaus	718.84
	Sutter	175.26
	Tulare	17,092.79
	Yolo	27.60
	Yuba	30.77
	Total	43,188.05
Fosetyl-al	Alameda	623.25
	Amador	0.18
	Butte	11.35
	Colusa	4,855.43
	Contra Costa	1,282.83
	Del Norte	36.20
	El Dorado	49.70
	Fresno	4,617.17
	Glenn	348.80
	Imperial	979.20
	Kern	2,332.14
	Kings	657.75
	Los Angeles	2,604.00
	Madera	448.38
	Marin	42.62
	Mendocino	212.00
	Merced	2,656.09
	Monterey	237,673.89
	Napa	19.08
	Nevada	2.00
	Orange	4,082.46
	Placer	461.14
	Riverside	2,540.21
	Sacramento	3,644.04
	San Benito	16,517.54
	San Bernardino	2,173.90
	San Diego	3,599.23
	San Francisco	1.20
	San Joaquin	7,043.97
	San Luis Obispo	3,971.13
	San Mateo	980.12
	Santa Barbara	11,681.05

Active Ingredient	County	Pounds Applied
	Santa Clara	5,404.29
	Santa Cruz	9,693.89
	Shasta	2,669.40
	Siskiyou	3,632.00
	Solano	2,665.86
	Sonoma	216.77
	Stanislaus	9,173.14
	Sutter	1,106.48
	Tehama	2.50
	Tulare	10,629.45
	Ventura	15,472.23
	Yolo	2,529.93
	Yuba	24.00
	Total	379,367.96
Glufosinate-ammonium	Alameda	0.00
	Butte	0.27
	Glenn	0.03
	Los Angeles	0.09
	San Benito	0.06
	Santa Clara	0.08
	Total	0.53
Glyphosate, isopropylamine salt	Alameda	39,113.20
	Amador	3,923.29
	Butte	114,778.20
	Calaveras	5,407.62
	Colusa	79,443.11
	Contra Costa	48,301.41
	Del Norte	131.29
	El Dorado	9,041.67
	Fresno	474,447.60
	Glenn	96,557.11
	Imperial	141,357.40
	Kern	421,769.88
	Kings	142,957.98
	Los Angeles	96,169.42
	Madera	232,269.59
	Marin	2,442.87
	Mariposa	5,049.52
	Mendocino	16,386.15
	Merced	210,360.27
	Monterey	114,082.11
	Napa	36,490.07
	Nevada	4,372.50

Active Ingredient	County	Pounds Applied
	Orange	55,757.57
	Placer	14,585.95
	Riverside	119,116.35
	Sacramento	88,600.81
	San Benito	12,755.87
	San Bernardino	35,285.29
	San Diego	64,462.88
	San Francisco	790.39
	San Joaquin	165,756.83
	San Luis Obispo	50,693.65
	San Mateo	6,949.63
	Santa Barbara	61,004.90
	Santa Clara	35,849.65
	Santa Cruz	3,773.48
	Shasta	8,769.00
	Siskiyou	3,858.27
	Solano	46,865.10
	Sonoma	41,616.28
	Stanislaus	157,327.79
	Sutter	47,835.50
	Tehama	50,512.47
	Tulare	317,012.91
	Tuolumne	30,136.97
	Ventura	105,515.92
	Yolo	94,868.27
	Yuba	12,761.57
	Total	3,927,315.58
Glyphosate-trimesium	Butte	1,466.40
	Colusa	9,870.47
	Contra Costa	443.20
	Fresno	26,164.38
	Glenn	2,960.12
	Imperial	1,298.99
	Kern	34,548.68
	Kings	886.52
	Los Angeles	62.75
	Madera	6,106.81
	Merced	6,887.36
	Monterey	4,472.21
	Napa	97.41
	Placer	56.98
	Riverside	158.23
	Sacramento	1,152.97
	San Benito	252.76

Active Ingredient	County	Pounds Applied
	San Bernardino	25.10
	San Joaquin	2,530.93
	San Luis Obispo	297.80
	Santa Barbara	33,695.65
	Solano	4,352.92
	Sonoma	65.95
	Stanislaus	4,041.17
	Sutter	10,279.44
	Tehama	313.00
	Tulare	12,746.37
	Ventura	4,706.19
	Yolo	7,573.54
	Yuba	2,880.37
	Total	180,394.65
Halosulfuron	Alameda	2.44
	Amador	0.44
	Butte	3.60
	Colusa	1.21
	Contra Costa	29.13
	El Dorado	2.85
	Fresno	87.12
	Glenn	26.76
	Imperial	21.24
	Kern	405.61
	Kings	79.96
	Los Angeles	14.16
	Madera	38.65
	Marin	0.05
	Mendocino	0.13
	Merced	103.67
	Monterey	0.00
	Napa	0.02
	Orange	81.50
	Placer	141.67
	Riverside	412.24
	Sacramento	141.06
	San Benito	0.23
	San Bernardino	6.64
	San Diego	23.52
	San Francisco	0.14
	San Joaquin	44.73
	San Luis Obispo	0.10
	San Mateo	0.04
	Santa Barbara	24.56

Active Ingredient	County	Pounds Applied
	Santa Clara	45.42
	Santa Cruz	0.21
	Shasta	3.75
	Solano	15.40
	Sonoma	31.65
	Stanislaus	94.13
	Sutter	2.08
	Tehama	2.41
	Tulare	375.13
	Tuolumne	0.30
	Ventura	4.80
	Yolo	165.42
	Yuba	0.01
	Total	2,434.18
Hexazinone	Amador	577.77
	Butte	318.13
	Calaveras	92.46
	Colusa	879.44
	Contra Costa	142.56
	El Dorado	2,695.38
	Fresno	2,573.80
	Glenn	1,897.60
	Kern	366.91
	Kings	522.90
	Los Angeles	129.10
	Madera	3,604.08
	Mendocino	0.50
	Merced	4,587.57
	Monterey	1,014.59
	Nevada	40.00
	Riverside	95.87
	Sacramento	752.72
	San Benito	150.96
	San Bernardino	577.73
	San Joaquin	9,958.73
	San Luis Obispo	654.24
	Santa Barbara	187.79
	Santa Clara	7.50
	Shasta	5,306.65
	Siskiyou	7,582.39
	Solano	5,769.45
	Stanislaus	891.07
	Sutter	176.95
	Tehama	5,678.10

Active Ingredient	County	Pounds Applied
	Tulare	914.43
	Tuolumne	268.89
	Ventura	0.61
	Yolo	4,355.05
	Yuba	188.92
	Total	62,960.86
Imazethapyr	Alameda	3.02
	Contra Costa	19.07
	Fresno	558.71
	Glenn	123.08
	Imperial	1,472.21
	Kern	479.81
	Kings	450.37
	Los Angeles	12.43
	Madera	227.71
	Merced	452.30
	Riverside	227.27
	Sacramento	61.60
	San Bernardino	29.97
	San Joaquin	283.19
	Santa Barbara	7.44
	Santa Clara	17.95
	Shasta	25.45
	Siskiyou	69.87
	Solano	65.67
	Stanislaus	130.88
	Sutter	3.76
	Tehama	7.98
	Tulare	690.95
	Yolo	120.68
	Yuba	3.12
	Total	5,544.50
Imidacloprid	Alameda	883.29
	Amador	25.53
	Butte	540.83
	Calaveras	36.02
	Colusa	149.23
	Contra Costa	1,426.94
	Del Norte	0.81
	El Dorado	2,962.56
	Fresno	5,584.38
	Glenn	29.85
	Imperial	6,946.80

Active Ingredient	County	Pounds Applied
	Kern	4,242.28
	Kings	634.37
	Los Angeles	945.07
	Madera	1,396.86
	Marin	208.64
	Mariposa	0.38
	Mendocino	334.65
	Merced	557.90
	Monterey	15,617.47
	Napa	633.76
	Nevada	96.34
	Orange	792.10
	Placer	1,064.12
	Riverside	5,188.21
	Sacramento	3,817.85
	San Benito	1,050.24
	San Bernardino	207.49
	San Diego	1,819.81
	San Francisco	110.98
	San Joaquin	1,657.86
	San Luis Obispo	2,981.80
	San Mateo	240.22
	Santa Barbara	5,093.13
	Santa Clara	12,390.13
	Santa Cruz	685.70
	Shasta	38.98
	Siskiyou	30.56
	Solano	115.13
	Sonoma	601.01
	Stanislaus	937.18
	Sutter	1,814.22
	Tehama	17.59
	Tulare	2,374.03
	Tuolumne	850.79
	Ventura	2,600.70
	Yolo	784.41
	Yuba	181.70
	Total	90,699.89
Iprodione	Alameda	147.93
	Amador	39.49
	Butte	5,643.30
	Calaveras	46.07
	Colusa	5,325.14
	Contra Costa	726.12

Active Ingredient	County	Pounds Applied
	Del Norte	189.87
	El Dorado	34.24
	Fresno	44,281.85
	Glenn	5,095.12
	Imperial	1,556.77
	Kern	73,695.46
	Kings	4,410.55
	Los Angeles	3,759.40
	Madera	27,082.43
	Marin	91.58
	Mendocino	182.00
	Merced	26,887.97
	Monterey	50,345.47
	Napa	2,259.53
	Nevada	5.83
	Orange	5,111.83
	Placer	116.42
	Riverside	872.06
	Sacramento	601.22
	San Benito	1,412.80
	San Bernardino	231.64
	San Diego	2,775.71
	San Francisco	192.97
	San Joaquin	19,774.29
	San Luis Obispo	3,089.84
	San Mateo	300.72
	Santa Barbara	19,168.42
	Santa Clara	1,446.51
	Santa Cruz	5,266.28
	Shasta	481.71
	Siskiyou	1,075.07
	Solano	892.69
	Sonoma	1,701.22
	Stanislaus	37,429.12
	Sutter	3,751.22
	Tehama	1,755.95
	Tulare	19,373.22
	Tuolumne	17.72
	Ventura	21,945.77
	Yolo	2,064.48
	Yuba	2,341.41
	Total	404,996.38
Isoxaben	Alameda	321.14
	Amador	0.14

Active Ingredient	County	Pounds Applied
	Butte	43.78
	Calaveras	3.53
	Contra Costa	715.69
	El Dorado	10.22
	Fresno	206.61
	Glenn	0.52
	Kern	443.77
	Kings	575.60
	Los Angeles	238.65
	Madera	43.26
	Marin	216.69
	Mendocino	1.35
	Monterey	52.59
	Napa	22.03
	Nevada	0.89
	Orange	231.85
	Placer	252.49
	Riverside	132.13
	Sacramento	608.78
	San Benito	7.12
	San Bernardino	51.70
	San Diego	434.31
	San Francisco	49.94
	San Joaquin	205.49
	San Luis Obispo	20.30
	San Mateo	73.07
	Santa Barbara	23.02
	Santa Clara	658.84
	Santa Cruz	24.09
	Shasta	3.47
	Solano	504.59
	Sonoma	225.59
	Stanislaus	30.25
	Sutter	6.60
	Tehama	7.28
	Tulare	58.74
	Tuolumne	0.25
	Ventura	66.78
	Yolo	23.30
	Yuba	42.52
	Total	6,638.97
Kresoxim-methyl	San Joaquin	3.00
	Total	3.00

Active Ingredient	County	Pounds Applied
Linuron	Colusa	376.85
	Fresno	195.00
	Glenn	72.30
	Imperial	9,839.28
	Kern	19,234.24
	Kings	339.25
	Los Angeles	4,028.13
	Madera	222.50
	Merced	15.00
	Monterey	4,857.33
	Riverside	1,373.75
	San Benito	22.41
	San Diego	3.00
	San Joaquin	3,106.20
	San Luis Obispo	1,531.67
	San Mateo	0.25
	Santa Barbara	7,634.28
	Santa Clara	8.30
	Santa Cruz	147.50
	Shasta	10.00
	Solano	18.00
	Sutter	16.50
	Tulare	38.00
Ventura	3,605.18	
Yolo	22.25	
	Total	56,717.14
Malathion	Alameda	271.76
	Amador	42.04
	Butte	3,141.59
	Calaveras	2.53
	Colusa	1,540.00
	Contra Costa	492.71
	El Dorado	534.12
	Fresno	4,846.68
	Glenn	3,049.93
	Imperial	78,271.07
	Kern	4,831.03
	Kings	17,480.25
	Los Angeles	1,981.28
	Madera	3,818.63
	Marin	1.65
	Mariposa	61.02
Merced	12,301.42	
Monterey	80,046.22	

Active Ingredient	County	Pounds Applied
	Napa	53.60
	Nevada	10.95
	Orange	4,513.82
	Placer	283.93
	Riverside	17,425.68
	Sacramento	1,824.91
	San Benito	444.08
	San Bernardino	5,550.46
	San Diego	4,832.01
	San Francisco	4.07
	San Joaquin	10,075.47
	San Luis Obispo	10,291.10
	San Mateo	483.84
	Santa Barbara	32,705.21
	Santa Clara	1,640.73
	Santa Cruz	21,485.28
	Shasta	8,673.94
	Siskiyou	1,357.01
	Solano	1,162.95
	Sonoma	1,240.61
	Stanislaus	11,791.45
	Sutter	4,373.87
	Tehama	3,481.55
	Tulare	6,394.29
	Tuolumne	274.96
	Ventura	7,519.13
	Yolo	5,683.87
	Yuba	2,368.03
	Total	378,660.73
Mcpa, dimethylamine salt	Alameda	658.41
	Amador	241.75
	Butte	15,929.32
	Calaveras	1.27
	Colusa	7,172.43
	Contra Costa	1,157.09
	El Dorado	67.64
	Fresno	11,498.68
	Glenn	7,450.54
	Kern	9,862.08
	Kings	24,249.76
	Los Angeles	2,322.98
	Madera	3,908.78
	Marin	0.40
	Merced	11,900.99

Active Ingredient	County	Pounds Applied
	Monterey	542.58
	Orange	1,218.63
	Placer	2,035.50
	Riverside	761.14
	Sacramento	4,852.20
	San Benito	208.12
	San Bernardino	1,418.77
	San Diego	482.99
	San Francisco	86.54
	San Joaquin	13,751.46
	San Luis Obispo	879.42
	San Mateo	704.31
	Santa Barbara	133.86
	Santa Clara	1,340.01
	Santa Cruz	0.24
	Shasta	94.92
	Siskiyou	126.16
	Solano	6,096.86
	Sonoma	483.80
	Stanislaus	8,018.88
	Sutter	7,950.62
	Tehama	454.83
	Tulare	34,018.17
	Tuolumne	54.99
	Ventura	140.38
	Yolo	13,224.72
	Yuba	842.58
	Total	196,344.79
Mcpp	Alameda	3.14
	Amador	0.00
	Butte	0.98
	Calaveras	3.83
	Contra Costa	4.06
	El Dorado	0.72
	Los Angeles	120.81
	Madera	4.04
	Marin	0.11
	Mendocino	1.91
	Monterey	16.62
	Orange	48.33
	Placer	0.99
	Riverside	37.11
	Sacramento	2.37
	San Bernardino	29.67

Active Ingredient	County	Pounds Applied
	San Diego	9.03
	San Francisco	0.00
	San Joaquin	6.42
	San Luis Obispo	9.36
	San Mateo	45.70
	Santa Barbara	10.62
	Santa Clara	33.52
	Shasta	4.43
	Sonoma	7.37
	Sutter	7.27
	Ventura	23.93
	Total	432.36
Mcpp, dimethylamine salt	Alameda	278.70
	Amador	0.82
	Butte	148.96
	Calaveras	1.87
	Contra Costa	301.52
	El Dorado	5.70
	Fresno	46.06
	Glenn	42.48
	Kern	171.19
	Kings	10.56
	Los Angeles	702.15
	Madera	5.91
	Marin	4.04
	Mariposa	14.64
	Mendocino	2.55
	Merced	11.03
	Monterey	646.08
	Napa	26.26
	Nevada	2.66
	Orange	956.84
	Placer	118.13
	Riverside	500.78
	Sacramento	216.36
	San Benito	238.21
	San Bernardino	652.05
	San Diego	197.07
	San Francisco	76.66
	San Joaquin	58.58
	San Luis Obispo	175.29
	San Mateo	93.73
	Santa Barbara	98.91
	Santa Clara	441.43

Active Ingredient	County	Pounds Applied
	Santa Cruz	0.21
	Shasta	28.26
	Siskiyou	101.46
	Solano	12.25
	Sonoma	78.84
	Stanislaus	32.25
	Sutter	13.13
	Tehama	3.91
	Tuolumne	33.65
	Ventura	825.40
	Yolo	117.44
	Yuba	16.40
	Total	7,510.40
Mcpp, potassium salt	Alameda	80.77
	Amador	1.00
	Butte	8.29
	Contra Costa	23.96
	Fresno	17.43
	Los Angeles	739.53
	Madera	19.36
	Marin	28.72
	Monterey	47.42
	Napa	78.72
	Orange	274.48
	Placer	2.78
	Riverside	159.38
	Sacramento	8.87
	San Bernardino	46.64
	San Diego	390.11
	San Francisco	2.22
	San Joaquin	121.51
	San Luis Obispo	20.72
	San Mateo	59.82
	Santa Barbara	163.54
	Santa Clara	519.57
	Shasta	17.60
	Solano	108.73
	Sonoma	131.81
	Tuolumne	66.68
	Ventura	13.96
	Yolo	404.54
	Total	3,558.16
Mepiquat chloride	Butte	0.98

Active Ingredient	County	Pounds Applied
	Colusa	243.51
	Fresno	4,639.93
	Glenn	63.81
	Imperial	226.28
	Kern	2,506.33
	Kings	5,109.28
	Madera	497.89
	Merced	3,441.74
	Riverside	240.79
	San Bernardino	1.06
	Santa Clara	0.08
	Sutter	3.52
	Tulare	5,134.35
	Yolo	183.47
	Total	22,293.03
Metalaxyl	Alameda	4.31
	Butte	14.81
	Colusa	8.90
	Contra Costa	244.77
	El Dorado	0.35
	Fresno	100.90
	Glenn	0.25
	Imperial	63.10
	Kern	975.48
	Kings	1,022.98
	Los Angeles	226.53
	Madera	7.05
	Marin	4.33
	Mendocino	0.52
	Merced	32.19
	Monterey	207.86
	Napa	1.18
	Orange	97.06
	Placer	1.92
	Riverside	216.80
	Sacramento	10.54
	San Benito	2.59
	San Bernardino	36.89
	San Diego	162.85
	San Francisco	2.43
	San Joaquin	840.51
	San Luis Obispo	24.45
	San Mateo	56.99
	Santa Barbara	604.66

Active Ingredient	County	Pounds Applied
	Santa Clara	136.94
	Santa Cruz	22.83
	Shasta	1.95
	Siskiyou	18.84
	Solano	30.93
	Sonoma	68.26
	Stanislaus	111.87
	Sutter	27.36
	Tehama	0.11
	Tulare	31.77
	Tuolumne	2.40
	Ventura	382.38
	Yolo	3,709.06
	Total	9,517.90
Metaldehyde	Alameda	1,780.56
	Amador	1.78
	Butte	1.22
	Calaveras	2.99
	Contra Costa	359.83
	Del Norte	3.50
	El Dorado	7.97
	Fresno	1,323.21
	Glenn	2.80
	Kern	129.86
	Kings	0.63
	Los Angeles	1,481.06
	Madera	169.12
	Marin	12.61
	Mendocino	1.04
	Monterey	5,583.10
	Napa	7.26
	Orange	4,776.54
	Placer	61.33
	Riverside	996.04
	Sacramento	70.48
	San Benito	274.84
	San Bernardino	476.92
	San Diego	4,851.52
	San Francisco	52.32
	San Joaquin	127.67
	San Luis Obispo	550.36
	San Mateo	419.16
	Santa Barbara	1,729.07
	Santa Clara	1,555.09

Active Ingredient	County	Pounds Applied
	Santa Cruz	995.72
	Shasta	0.12
	Solano	756.46
	Sonoma	60.20
	Stanislaus	118.93
	Sutter	1.03
	Tulare	4,136.47
	Tuolumne	3.29
	Ventura	20,949.86
	Yolo	6.33
	Yuba	0.07
	Total	53,838.35
Methamidophos	Colusa	67.80
	Fresno	20,927.63
	Glenn	15.92
	Imperial	2,433.56
	Kern	2,954.18
	Kings	9,491.23
	Merced	2,023.06
	Monterey	2,080.92
	Riverside	1,017.68
	Sacramento	550.26
	San Diego	116.39
	San Joaquin	2,678.06
	Santa Barbara	822.21
	Santa Cruz	106.07
	Siskiyou	1,287.90
	Solano	885.22
	Sonoma	0.52
	Stanislaus	63.31
	Sutter	2,913.20
	Tulare	79.14
	Ventura	69.84
	Yolo	2,454.45
	Total	53,038.54
Methidathion	Butte	1,792.00
	Colusa	79.00
	Fresno	7,015.25
	Glenn	246.50
	Imperial	495.00
	Kern	21,872.09
	Kings	1,405.20
	Madera	2,594.19

Active Ingredient	County	Pounds Applied
	Merced	2,218.44
	Monterey	15,253.49
	Orange	0.19
	Placer	24.70
	Riverside	142.50
	San Joaquin	5,731.13
	Santa Barbara	46.59
	Santa Cruz	13.50
	Shasta	118.60
	Solano	61.50
	Stanislaus	3,301.27
	Sutter	6,126.90
	Tehama	443.50
	Tulare	13,961.04
	Ventura	80.00
	Yolo	27.13
	Yuba	3,149.36
	Total	86,199.07
Methiocarb	Alameda	22.50
	Contra Costa	36.43
	El Dorado	0.94
	Fresno	12.00
	Los Angeles	121.91
	Mendocino	0.50
	Monterey	269.01
	Napa	0.03
	Orange	358.91
	Riverside	7.20
	Sacramento	2.06
	San Benito	36.60
	San Diego	158.85
	San Joaquin	8.40
	San Luis Obispo	612.67
	San Mateo	118.02
	Santa Barbara	167.03
	Santa Clara	121.85
	Santa Cruz	87.02
	Sonoma	9.75
	Tulare	6.38
	Ventura	102.17
	Yolo	0.06
	Total	2,260.28
Methomyl	Alameda	73.50

Active Ingredient	County	Pounds Applied
	Butte	1,450.16
	Colusa	6,166.72
	Contra Costa	5,822.15
	El Dorado	0.00
	Fresno	103,724.23
	Glenn	4,157.15
	Imperial	50,472.80
	Kern	25,297.07
	Kings	16,083.82
	Los Angeles	602.40
	Madera	8,431.02
	Marin	0.15
	Mendocino	15.30
	Merced	54,205.33
	Monterey	82,662.37
	Napa	0.02
	Nevada	0.00
	Orange	1,147.29
	Placer	1.19
	Riverside	7,562.20
	Sacramento	2,458.59
	San Benito	4,302.66
	San Bernardino	311.50
	San Diego	1,142.19
	San Francisco	0.01
	San Joaquin	22,541.36
	San Luis Obispo	3,666.10
	San Mateo	0.06
	Santa Barbara	4,958.55
	Santa Clara	2,016.30
	Santa Cruz	3,270.14
	Shasta	6.30
	Solano	3,563.43
	Sonoma	12.53
	Stanislaus	14,776.58
	Sutter	4,036.80
	Tehama	350.48
	Tulare	21,584.75
	Ventura	6,067.25
	Yolo	10,554.54
	Total	473,494.98
Methyl isothiocyanate	El Dorado	603.11
	Placer	316.46
	Santa Clara	10.43

Active Ingredient	County	Pounds Applied
	Siskiyou	1,428.74
	Total	2,358.74
Methyl parathion	Butte	4,150.73
	Colusa	111.23
	Contra Costa	2,999.17
	Fresno	548.50
	Glenn	301.38
	Kern	301.15
	Kings	2,980.14
	Merced	652.05
	Napa	0.16
	Sacramento	4.70
	San Bernardino	1.50
	San Joaquin	13,387.98
	Santa Barbara	0.06
	Santa Clara	38.56
	Solano	771.93
	Stanislaus	8,875.73
	Sutter	3,382.50
	Tulare	30,628.31
	Ventura	97.17
	Yuba	1,615.16
	Total	70,848.12
Metribuzin	Alameda	0.08
	Butte	140.63
	Colusa	1,151.65
	Contra Costa	1,290.72
	Fresno	223.46
	Glenn	292.71
	Imperial	1,196.24
	Kern	274.73
	Los Angeles	25.26
	Madera	143.85
	Merced	792.55
	Monterey	141.75
	Orange	3.28
	Riverside	668.87
	Sacramento	673.26
	San Benito	562.36
	San Bernardino	101.94
	San Diego	23.32
	San Francisco	0.19
	San Joaquin	4,774.26

Active Ingredient	County	Pounds Applied
	San Mateo	1.87
	Santa Barbara	1,092.96
	Santa Clara	0.16
	Santa Cruz	4.16
	Shasta	248.23
	Siskiyou	3,278.19
	Solano	677.40
	Sonoma	0.38
	Stanislaus	430.71
	Sutter	1,292.42
	Tehama	99.04
	Tuolumne	0.22
	Ventura	32.82
	Yolo	4,111.83
	Total	23,751.48
Molinate	Butte	208,773.61
	Colusa	162,717.00
	Fresno	6,682.61
	Glenn	164,446.13
	Madera	423.00
	Merced	7,553.25
	Placer	48,450.66
	Sacramento	14,608.46
	San Joaquin	4,985.70
	Stanislaus	3,751.51
	Sutter	257,015.96
	Yolo	55,864.84
	Yuba	87,887.04
	Total	1,023,159.78
Msma	Alameda	180.62
	Amador	5.15
	Butte	223.59
	Calaveras	3.14
	Colusa	143.44
	Contra Costa	183.43
	El Dorado	5.42
	Fresno	12,205.38
	Glenn	153.79
	Imperial	20,041.18
	Kern	2,225.53
	Kings	23,895.55
	Los Angeles	595.12
	Madera	1,718.50

Active Ingredient	County	Pounds Applied
	Marin	95.00
	Mariposa	141.51
	Mendocino	0.23
	Merced	15,123.58
	Monterey	228.49
	Napa	51.44
	Nevada	95.15
	Orange	1,392.52
	Placer	474.80
	Riverside	1,745.54
	Sacramento	2,044.84
	San Benito	57.11
	San Bernardino	671.90
	San Diego	1,419.21
	San Joaquin	275.50
	San Luis Obispo	28.78
	San Mateo	143.17
	Santa Barbara	175.84
	Santa Clara	442.54
	Shasta	116.08
	Solano	10.68
	Sonoma	70.82
	Stanislaus	242.30
	Sutter	1,201.52
	Tehama	0.07
	Tulare	7,165.33
	Tuolumne	66.64
	Ventura	185.21
	Yolo	1,562.86
	Yuba	171.33
	Total	96,979.81
Napropamide	Alameda	26.70
	Amador	414.11
	Butte	432.00
	Calaveras	1.00
	Colusa	2,486.85
	Contra Costa	173.55
	Del Norte	112.00
	El Dorado	231.05
	Fresno	3,852.74
	Glenn	637.61
	Imperial	839.71
	Kern	2,558.74
	Kings	125.36

Active Ingredient	County	Pounds Applied
	Los Angeles	157.49
	Madera	6,601.52
	Marin	0.50
	Mendocino	48.00
	Merced	1,500.17
	Monterey	3,802.33
	Napa	1,852.14
	Nevada	6.00
	Orange	99.76
	Placer	20.00
	Riverside	84.79
	Sacramento	1,219.47
	San Benito	3,399.00
	San Bernardino	59.96
	San Diego	10.38
	San Joaquin	6,083.66
	San Luis Obispo	966.27
	Santa Barbara	2,234.31
	Santa Clara	2,387.06
	Santa Cruz	1,317.32
	Siskiyou	0.80
	Solano	5,638.45
	Sonoma	353.46
	Stanislaus	1,667.88
	Sutter	2,325.30
	Tehama	206.00
	Tulare	899.88
	Tuolumne	9.50
	Ventura	1,797.86
	Yolo	6,029.20
	Yuba	939.53
	Total	63,609.36
Nicosulfuron	Amador	0.53
	Butte	7.59
	Contra Costa	69.96
	Fresno	8.96
	Glenn	26.28
	Kern	4.59
	Kings	5.13
	Madera	33.70
	Merced	293.92
	Sacramento	202.74
	San Joaquin	7,932.08
	Solano	28.03

Active Ingredient	County	Pounds Applied
	Stanislaus	491.45
	Sutter	1.75
	Tehama	25.11
	Tulare	38.20
	Yolo	8.71
	Total	9,178.72
Nitrapyrin	Alameda	0.88
	Fresno	128.91
	Merced	10.53
	Tulare	17.67
	Total	157.98
Norflurazon	Alameda	50.03
	Amador	150.02
	Butte	1,584.73
	Colusa	1,421.81
	Contra Costa	389.07
	Fresno	34,900.26
	Glenn	6,572.77
	Imperial	1,050.14
	Kern	11,885.09
	Kings	6,182.21
	Los Angeles	1,169.80
	Madera	19,475.30
	Mendocino	1,054.50
	Merced	8,406.74
	Monterey	1,420.41
	Napa	166.05
	Nevada	11.50
	Orange	6.29
	Placer	246.41
	Riverside	15,720.31
	Sacramento	1,434.06
	San Benito	227.74
	San Bernardino	3,656.47
	San Diego	160.82
	San Joaquin	9,620.79
	San Luis Obispo	1,353.95
	Santa Barbara	2,335.68
	Santa Clara	141.87
	Shasta	57.38
	Siskiyou	23.58
	Solano	2,010.59
	Sonoma	330.16

Active Ingredient	County	Pounds Applied
	Stanislaus	12,269.73
	Sutter	1,835.31
	Tehama	1,609.90
	Tulare	26,105.02
	Ventura	711.30
	Yolo	689.25
	Yuba	326.93
	Total	176,763.99
Oryzalin	Alameda	7,500.22
	Amador	727.67
	Butte	8,880.16
	Calaveras	356.00
	Colusa	2,633.13
	Contra Costa	4,562.86
	Del Norte	5.43
	El Dorado	324.72
	Fresno	60,421.95
	Glenn	5,717.22
	Kern	53,693.47
	Kings	6,125.11
	Los Angeles	5,596.53
	Madera	31,197.75
	Marin	1,084.40
	Mariposa	22.71
	Mendocino	2,858.52
	Merced	10,420.08
	Monterey	20,312.74
	Napa	8,626.89
	Nevada	60.81
	Orange	5,808.49
	Placer	1,463.24
	Riverside	5,130.42
	Sacramento	13,177.71
	San Benito	2,663.80
	San Bernardino	1,985.83
	San Diego	2,184.75
	San Francisco	70.67
	San Joaquin	27,191.43
	San Luis Obispo	14,096.23
	San Mateo	633.57
	Santa Barbara	7,149.85
	Santa Clara	7,789.38
	Santa Cruz	127.56
	Shasta	525.33

Active Ingredient	County	Pounds Applied
	Siskiyou	6.00
	Solano	4,553.89
	Sonoma	6,283.43
	Stanislaus	13,711.34
	Sutter	1,771.42
	Tehama	1,268.45
	Tulare	25,682.68
	Tuolumne	290.53
	Ventura	1,644.35
	Yolo	3,234.95
	Yuba	1,177.46
	Total	380,751.12
Oxydemeton-methyl	Butte	106.95
	Calaveras	0.07
	Colusa	744.76
	Contra Costa	936.21
	Fresno	2,722.52
	Glenn	435.83
	Imperial	1,068.86
	Kern	389.79
	Kings	193.71
	Los Angeles	253.74
	Madera	4.96
	Mariposa	4.69
	Merced	264.29
	Monterey	62,020.47
	Orange	92.23
	Riverside	64.69
	Sacramento	81.51
	San Benito	3,043.49
	San Bernardino	7.81
	San Diego	5.86
	San Joaquin	321.74
	San Luis Obispo	4,850.16
	Santa Barbara	17,618.81
	Santa Clara	762.13
	Santa Cruz	2,393.89
	Shasta	1.43
	Solano	142.89
	Stanislaus	418.69
	Sutter	405.34
	Tehama	246.11
	Tulare	44.31
	Tuolumne	2.51

Active Ingredient	County	Pounds Applied
	Ventura	1,423.48
	Yolo	787.03
	Yuba	69.56
	Total	101,930.53
Paraquat dichloride	Alameda	2,230.63
	Amador	481.08
	Butte	4,530.82
	Calaveras	28.15
	Colusa	4,153.42
	Contra Costa	1,158.83
	Del Norte	5.55
	El Dorado	124.93
	Fresno	166,458.35
	Glenn	11,416.70
	Imperial	1,982.34
	Kern	166,738.57
	Kings	115,807.26
	Los Angeles	2,521.45
	Madera	54,465.46
	Mendocino	910.43
	Merced	47,614.10
	Monterey	23,735.38
	Napa	568.45
	Orange	861.04
	Placer	11.26
	Riverside	5,932.42
	Sacramento	12,266.68
	San Benito	3,155.21
	San Bernardino	1,037.11
	San Diego	397.53
	San Joaquin	57,093.68
	San Luis Obispo	9,557.62
	Santa Barbara	5,932.80
	Santa Clara	1,657.99
	Santa Cruz	1,597.40
	Shasta	1,033.99
	Siskiyou	5,518.70
	Solano	11,733.51
	Sonoma	121.55
	Stanislaus	28,011.38
	Sutter	5,005.37
	Tehama	2,949.14
	Tulare	85,382.89
	Tuolumne	12.99

Active Ingredient	County	Pounds Applied
	Ventura	1,144.64
	Yolo	12,200.72
	Yuba	3,271.44
	Total	860,818.98
Pebulate	Colusa	1,446.71
	Contra Costa	419.35
	Fresno	55,134.59
	Kern	2,632.11
	Kings	8,283.86
	Madera	5,369.29
	Merced	25,064.96
	Monterey	853.97
	Orange	24.03
	Sacramento	4,201.23
	San Benito	184.74
	San Joaquin	7,573.00
	Santa Clara	879.41
	Solano	8,250.46
	Stanislaus	8,816.65
	Sutter	4,836.75
	Ventura	22.59
	Yolo	25,393.00
	Total	159,386.72
Phenmedipham	Alameda	11.84
	Amador	7.70
	Butte	11.59
	Colusa	15.02
	Fresno	723.73
	Glenn	215.31
	Imperial	1,888.79
	Kern	469.65
	Kings	94.90
	Madera	15.68
	Merced	91.93
	Monterey	6.93
	Orange	0.02
	Sacramento	413.29
	San Benito	42.30
	San Joaquin	1,611.94
	Santa Barbara	0.25
	Santa Clara	0.81
	Siskiyou	41.87
	Solano	51.70

Active Ingredient	County	Pounds Applied
	Stanislaus	621.44
	Tulare	187.84
	Ventura	34.42
	Yolo	273.56
	Total	6,832.50
Phorate	Contra Costa	2,775.08
	Fresno	11,130.95
	Imperial	1,000.40
	Kern	7,542.21
	Kings	5,613.17
	Madera	2,105.15
	Merced	5,459.31
	Riverside	6,378.00
	Sacramento	10,137.67
	San Benito	345.49
	San Diego	480.00
	San Joaquin	12,802.71
	Santa Clara	197.40
	Stanislaus	424.00
	Tulare	9,750.28
Total	76,141.83	
Phosmet	Alameda	0.25
	Amador	138.20
	Butte	10,839.92
	Calaveras	485.10
	Colusa	881.30
	Contra Costa	4,980.01
	El Dorado	149.25
	Fresno	78,333.79
	Glenn	13,453.06
	Kern	205,430.07
	Kings	20,868.93
	Los Angeles	1,774.93
	Madera	28,992.01
	Mendocino	1,889.00
	Merced	10,954.32
	Monterey	98.00
	Napa	3.50
	Nevada	28.00
	Orange	23.37
	Placer	644.77
Riverside	127.85	
Sacramento	15,192.91	

Active Ingredient	County	Pounds Applied
	San Benito	1,415.20
	San Bernardino	198.36
	San Diego	418.12
	San Francisco	0.01
	San Joaquin	12,587.76
	San Luis Obispo	2,125.68
	Santa Barbara	739.20
	Santa Clara	320.10
	Santa Cruz	2,134.88
	Shasta	1,009.13
	Solano	2,778.96
	Sonoma	6,575.61
	Stanislaus	20,826.44
	Sutter	8,471.22
	Tehama	6,621.29
	Tulare	74,865.76
	Tuolumne	25.38
	Ventura	192.76
	Yolo	6,039.64
	Yuba	11,623.40
	Total	554,257.43
Piperalin	Contra Costa	61.09
	Del Norte	0.37
	El Dorado	1.06
	Madera	2.09
	Monterey	1,010.66
	Orange	13.79
	Placer	1,056.62
	Riverside	7.47
	San Benito	0.06
	San Diego	244.64
	San Joaquin	4.06
	San Luis Obispo	426.26
	San Mateo	14.65
	Santa Barbara	550.90
	Santa Clara	90.15
	Santa Cruz	940.93
	Solano	0.11
	Sonoma	10.92
	Ventura	134.48
	Yolo	0.35
	Total	4,570.66
Piperonyl butoxide	Alameda	259.84

Active Ingredient	County	Pounds Applied
	Amador	10.02
	Butte	697.83
	Calaveras	5.17
	Colusa	197.23
	Contra Costa	406.79
	Del Norte	7.16
	El Dorado	23.88
	Fresno	0.27
	Glenn	99.54
	Imperial	106.31
	Kern	27.34
	Kings	144.95
	Los Angeles	2,817.37
	Madera	507.54
	Marin	86.80
	Mariposa	5.92
	Mendocino	10.69
	Monterey	288.68
	Napa	78.80
	Nevada	5.90
	Orange	1,090.85
	Placer	49.31
	Riverside	1,244.40
	Sacramento	373.70
	San Benito	19.87
	San Bernardino	845.49
	San Diego	1,443.47
	San Francisco	160.85
	San Joaquin	1,933.30
	San Luis Obispo	1,144.19
	San Mateo	159.86
	Santa Barbara	1,238.97
	Santa Clara	431.94
	Santa Cruz	39.36
	Shasta	454.52
	Siskiyou	1.01
	Solano	147.25
	Sonoma	163.29
	Stanislaus	741.02
	Sutter	558.85
	Tehama	61.29
	Tulare	36.87
	Tuolumne	29.39
	Ventura	1,033.84
	Yolo	209.60

Active Ingredient	County	Pounds Applied
	Yuba	235.58
	Total	19,636.10
Profenofos	Colusa	239.89
	Fresno	4,161.48
	Kern	2,411.89
	Kings	17,195.78
	Merced	446.64
	Riverside	59.73
	Tulare	1,703.77
	Ventura	0.25
	Yolo	958.21
	Total	27,177.64
Prometon	Butte	2.50
	Los Angeles	3.92
	Orange	0.28
	Riverside	17.63
	San Bernardino	0.56
	San Diego	0.11
	Siskiyou	0.01
	Solano	2.25
		Total
Prometryn	Fresno	28,583.33
	Imperial	301.17
	Kern	46,815.76
	Kings	28,436.47
	Madera	243.06
	Merced	2,480.32
	Monterey	8,708.98
	Orange	256.12
	Riverside	315.18
	San Benito	510.09
	San Bernardino	1.60
	San Joaquin	45.35
	San Luis Obispo	774.36
	Santa Barbara	3,897.57
	Santa Clara	189.75
	Santa Cruz	201.81
	Stanislaus	60.18
	Tulare	11,983.02
	Ventura	7,381.56
		Total

Active Ingredient	County	Pounds Applied
Propanil	Butte	232,765.98
	Colusa	369,650.35
	Fresno	528.53
	Glenn	262,621.36
	Merced	8,401.52
	Placer	43,250.03
	Sacramento	33,827.56
	San Joaquin	22,024.89
	San Luis Obispo	0.74
	Stanislaus	8,799.31
	Sutter	233,903.09
	Yolo	70,244.28
	Yuba	71,207.38
		Total
Propiconazole	Alameda	42.59
	Amador	3.20
	Butte	652.23
	Calaveras	1.01
	Colusa	32.43
	Contra Costa	160.60
	El Dorado	4.51
	Fresno	4,080.47
	Glenn	92.65
	Imperial	17.14
	Kern	686.94
	Kings	834.07
	Los Angeles	579.71
	Madera	291.31
	Marin	46.79
	Mendocino	0.56
	Merced	329.95
	Monterey	605.91
	Napa	7.08
	Nevada	0.28
	Orange	369.72
	Placer	42.07
	Riverside	171.27
	Sacramento	277.09
	San Benito	28.29
	San Bernardino	52.44
	San Diego	659.43
	San Francisco	48.41
	San Joaquin	56.13
	San Luis Obispo	174.07

Active Ingredient	County	Pounds Applied
	San Mateo	33.12
	Santa Barbara	498.11
	Santa Clara	92.89
	Santa Cruz	32.01
	Shasta	7.96
	Siskiyou	8.70
	Solano	239.40
	Sonoma	16.43
	Stanislaus	635.21
	Sutter	1,571.40
	Tehama	82.39
	Tulare	3,015.75
	Ventura	1,622.78
	Yolo	43.69
	Yuba	253.82
	Total	18,502.02
Propyzamide	Alameda	219.50
	Butte	4.50
	Del Norte	3.00
	Fresno	7,345.13
	Glenn	1,622.20
	Imperial	5,426.84
	Kern	520.49
	Kings	231.00
	Los Angeles	476.01
	Madera	33.00
	Merced	104.04
	Monterey	43,063.19
	Orange	44.78
	Riverside	2,448.92
	Sacramento	328.30
	San Benito	4,469.71
	San Bernardino	58.38
	San Diego	206.15
	San Joaquin	11.00
	San Luis Obispo	4,131.06
	Santa Barbara	11,583.60
	Santa Clara	345.98
	Santa Cruz	646.61
	Stanislaus	246.30
	Sutter	6.00
	Ventura	3,680.85
	Yolo	40.90
	Total	87,297.44

Active Ingredient	County	Pounds Applied
Pymetrozine	Kern	40.12
	Los Angeles	8.78
	Madera	0.78
	Marin	0.04
	Monterey	25.41
	Orange	59.81
	Riverside	7.37
	Sacramento	3.03
	San Benito	8.15
	San Bernardino	0.18
	San Diego	138.61
	San Francisco	0.02
	San Joaquin	25.83
	San Luis Obispo	21.89
	San Mateo	0.64
	Santa Barbara	151.86
	Santa Clara	47.64
	Santa Cruz	81.11
	Siskiyou	25.00
	Sonoma	3.36
	Stanislaus	0.47
Tulare	3.28	
Ventura	74.25	
Yolo	0.96	
	Total	728.60
Pyrazon	Fresno	1,505.74
	Kings	1,158.51
	Monterey	82.96
	Sacramento	0.27
	San Benito	139.43
	Tulare	1,070.08
	Total	3,956.98
Pyridate	Colusa	43.50
	Contra Costa	221.49
	Glenn	88.54
	Kings	133.25
	Merced	171.49
	Sacramento	785.85
	San Diego	0.56
	San Joaquin	44.57
	Santa Barbara	4.92
	Shasta	800.46

Active Ingredient	County	Pounds Applied
	Siskiyou	175.04
	Solano	484.26
	Stanislaus	509.16
	Ventura	62.64
	Yolo	1,081.22
	Total	4,606.95
Pyrithiobac-sodium	Colusa	135.94
	Fresno	2,426.09
	Glenn	7.99
	Imperial	0.83
	Kern	470.40
	Kings	440.04
	Madera	164.25
	Merced	383.09
	Tulare	294.50
	Yolo	33.02
	Total	4,356.16
Rimsulfuron	Colusa	64.34
	Contra Costa	7.17
	Fresno	507.06
	Glenn	3.40
	Imperial	2.34
	Kern	94.21
	Kings	41.41
	Madera	6.39
	Merced	10.94
	Orange	0.09
	Riverside	45.66
	Sacramento	10.48
	San Benito	0.74
	San Diego	9.28
	San Joaquin	32.19
	San Luis Obispo	0.00
	Santa Barbara	0.63
	Siskiyou	74.17
	Solano	54.66
	Stanislaus	10.73
	Sutter	17.93
	Ventura	0.93
	Yolo	105.75
	Total	1,100.52
(S)-metolachlor	Butte	436.60

Active Ingredient	County	Pounds Applied
	Colusa	6,985.31
	Contra Costa	644.38
	Fresno	69,025.24
	Glenn	3,156.74
	Kern	2,057.55
	Kings	30,802.15
	Madera	1,343.02
	Merced	3,545.42
	Orange	7.60
	Placer	608.05
	Riverside	973.88
	Sacramento	3,177.71
	San Diego	10.00
	San Joaquin	13,559.85
	San Luis Obispo	157.93
	Santa Barbara	438.88
	Santa Clara	1.97
	Solano	4,204.78
	Stanislaus	5,076.68
	Sutter	2,270.82
	Tehama	303.80
	Tulare	724.33
	Yolo	3,602.00
	Total	153,114.69
Sethoxydim	Alameda	13.16
	Amador	4.91
	Butte	60.97
	Calaveras	0.60
	Colusa	1,336.73
	Contra Costa	307.42
	El Dorado	0.56
	Fresno	2,422.66
	Glenn	1,185.65
	Imperial	5,330.78
	Kern	1,013.70
	Kings	1,605.44
	Los Angeles	11.33
	Madera	2,826.47
	Marin	0.12
	Mendocino	5.09
	Merced	2,221.91
	Monterey	286.02
	Napa	10.95
	Orange	0.92
	Placer	27.49
	Riverside	974.23
	Sacramento	590.95

Active Ingredient	County	Pounds Applied
	San Benito	81.81
	San Bernardino	5.63
	San Diego	203.51
	San Francisco	0.22
	San Joaquin	2,519.52
	San Luis Obispo	58.89
	San Mateo	2.40
	Santa Barbara	221.36
	Santa Clara	33.37
	Santa Cruz	0.58
	Shasta	118.06
	Siskiyou	208.86
	Solano	1,317.40
	Sonoma	50.42
	Stanislaus	1,401.68
	Sutter	531.20
	Tehama	171.49
	Tulare	2,009.11
	Tuolumne	2.96
	Ventura	29.12
	Yolo	1,473.52
	Yuba	35.26
	Total	30,714.42
Siduron	Butte	12.00
	Fresno	498.50
	Los Angeles	634.48
	Orange	1.17
	Placer	4.00
	Riverside	3,110.43
	Sacramento	1.00
	San Benito	734.40
	San Diego	210.00
	Santa Barbara	35.20
	Santa Clara	195.00
	Ventura	313.15
	Total	5,749.32
Simazine	Alameda	31.17
	Amador	731.61
	Butte	5,874.23
	Calaveras	211.67
	Colusa	423.67
	Contra Costa	901.10
	El Dorado	211.61

Active Ingredient	County	Pounds Applied
	Fresno	104,147.95
	Glenn	2,722.80
	Kern	60,090.56
	Kings	6,283.51
	Los Angeles	1,533.20
	Madera	51,719.90
	Mariposa	22.29
	Mendocino	5,784.87
	Merced	10,836.83
	Monterey	13,539.21
	Napa	11,054.43
	Nevada	14.40
	Orange	333.05
	Placer	43.20
	Riverside	10,793.76
	Sacramento	8,358.51
	San Benito	1,090.11
	San Bernardino	3,297.53
	San Diego	3,037.75
	San Joaquin	48,604.50
	San Luis Obispo	16,810.88
	San Mateo	39.62
	Santa Barbara	9,199.74
	Santa Clara	213.91
	Santa Cruz	37.24
	Shasta	221.85
	Solano	1,250.66
	Sonoma	2,702.95
	Stanislaus	22,338.38
	Sutter	1,340.54
	Tehama	5,378.53
	Tulare	95,066.91
	Tuolumne	12.60
	Ventura	4,664.35
	Yolo	5,243.49
	Yuba	303.88
	Total	516,518.94
Sulfometuron methyl	Alameda	379.40
	Amador	10.50
	Butte	146.79
	Calaveras	27.09
	Colusa	6.69
	Contra Costa	223.60
	Del Norte	57.42

Active Ingredient	County	Pounds Applied
	El Dorado	13.09
	Fresno	1.13
	Glenn	99.02
	Imperial	16.02
	Kings	71.25
	Los Angeles	1,334.58
	Madera	35.51
	Marin	7.98
	Mariposa	155.03
	Mendocino	42.07
	Monterey	84.38
	Napa	65.63
	Nevada	6.99
	Orange	248.80
	Placer	49.59
	Riverside	780.58
	Sacramento	218.02
	San Benito	1.64
	San Bernardino	663.68
	San Diego	196.44
	San Francisco	2.99
	San Joaquin	157.63
	San Luis Obispo	34.58
	San Mateo	15.59
	Santa Barbara	8.20
	Santa Clara	183.26
	Santa Cruz	0.44
	Shasta	57.02
	Siskiyou	50.75
	Solano	23.07
	Sonoma	15.18
	Stanislaus	137.06
	Sutter	9.59
	Tehama	36.03
	Tulare	2.02
	Tuolumne	64.54
	Ventura	55.38
	Yolo	110.44
	Yuba	20.73
	Total	5,927.41
Tebuconazole	Alameda	471.73
	Amador	2.25
	Butte	31.83
	Calaveras	9.34

Active Ingredient	County	Pounds Applied
	Colusa	118.70
	Contra Costa	10.97
	Fresno	13,845.10
	Glenn	16.33
	Imperial	17.57
	Kern	2,678.13
	Kings	1,325.14
	Madera	3,607.22
	Marin	0.90
	Mendocino	42.69
	Merced	352.97
	Monterey	808.51
	Napa	961.98
	Placer	0.28
	Riverside	215.68
	Sacramento	412.34
	San Benito	1.17
	San Joaquin	2,129.20
	San Luis Obispo	1,094.40
	Santa Barbara	971.07
	Santa Clara	17.76
	Santa Cruz	0.98
	Solano	33.86
	Sonoma	1,319.38
	Stanislaus	719.22
	Sutter	453.65
	Tulare	2,976.90
	Ventura	1.12
	Yolo	117.31
	Yuba	324.49
	Total	35,090.15
Tebufenozide	Butte	525.88
	Colusa	172.07
	Contra Costa	344.10
	Fresno	17,672.85
	Glenn	111.04
	Imperial	174.28
	Kern	3,471.12
	Kings	7,700.94
	Madera	3,321.44
	Mendocino	2.54
	Merced	29,226.83
	Monterey	5,107.84
	Riverside	4.70

Active Ingredient	County	Pounds Applied
	Sacramento	602.03
	San Benito	322.44
	San Bernardino	13.33
	San Diego	9.14
	San Joaquin	1,888.07
	San Luis Obispo	195.08
	Santa Barbara	621.26
	Santa Clara	85.07
	Santa Cruz	136.01
	Shasta	65.39
	Solano	235.85
	Stanislaus	1,486.06
	Sutter	577.83
	Tehama	517.14
	Tulare	5,909.53
	Ventura	690.99
	Yolo	646.68
	Yuba	200.23
	Total	82,037.76

Tebuthiuron	Alameda	554.40
	Butte	33.45
	Colusa	6.40
	Contra Costa	96.00
	Glenn	22.40
	Kings	259.46
	Los Angeles	1,183.20
	Madera	80.85
	Mariposa	0.10
	Monterey	68.00
	Napa	153.60
	Orange	494.40
	Placer	5.60
	Riverside	587.20
	Sacramento	606.48
	San Bernardino	720.80
	San Diego	51.80
	San Joaquin	167.20
	San Luis Obispo	57.71
	Santa Barbara	8.68
	Shasta	0.58
	Solano	105.83
	Sutter	108.64
	Tehama	4.80
	Ventura	182.40

Active Ingredient	County	Pounds Applied
	Yolo	24.80
	Total	5,584.78
Thiazopyr	Alameda	34.81
	Amador	3.77
	Colusa	207.06
	Fresno	278.30
	Glenn	19.92
	Kern	273.89
	Madera	127.59
	Merced	161.94
	Monterey	112.53
	Napa	138.32
	Sacramento	16.95
	San Joaquin	286.45
	San Luis Obispo	31.62
	Santa Barbara	99.26
	Solano	61.53
	Stanislaus	163.48
	Sutter	5.02
	Tulare	172.06
	Yolo	21.36
	Total	2,215.85
Thiobencarb	Butte	189,998.88
	Colusa	350,122.58
	Fresno	8,913.84
	Glenn	154,339.18
	Merced	1,879.50
	Placer	2,304.70
	Sacramento	22,505.51
	San Joaquin	584.00
	Sutter	180,448.31
	Yolo	54,209.79
	Yuba	41,205.25
	Total	1,006,511.55
Thiophanate-methyl	Alameda	304.89
	Butte	425.83
	Calaveras	4.19
	Colusa	2.28
	Contra Costa	1,394.07
	Del Norte	71.50
	El Dorado	61.70
	Fresno	2,874.70

Active Ingredient	County	Pounds Applied
	Glenn	1,869.57
	Imperial	898.27
	Kern	3,316.20
	Kings	890.88
	Los Angeles	3,192.75
	Madera	3,265.90
	Marin	114.34
	Mendocino	22.45
	Merced	3,676.37
	Monterey	1,433.70
	Napa	240.53
	Nevada	7.10
	Orange	3,430.46
	Placer	137.21
	Riverside	2,747.95
	Sacramento	730.37
	San Benito	123.63
	San Bernardino	572.37
	San Diego	5,241.59
	San Francisco	194.48
	San Joaquin	8,999.17
	San Luis Obispo	1,126.36
	San Mateo	978.96
	Santa Barbara	2,726.61
	Santa Clara	1,445.08
	Santa Cruz	259.10
	Shasta	113.39
	Siskiyou	185.00
	Solano	1,934.78
	Sonoma	170.18
	Stanislaus	4,669.34
	Sutter	22.07
	Tehama	142.95
	Tulare	2,709.83
	Tuolumne	65.23
	Ventura	1,794.13
	Yolo	387.52
	Yuba	481.60
	Total	65,456.58
Triadimefon	Alameda	76.59
	Amador	0.03
	Butte	5.10
	Calaveras	0.17
	Contra Costa	37.69

Active Ingredient	County	Pounds Applied
	Del Norte	6.86
	El Dorado	15.10
	Fresno	15.65
	Imperial	10.00
	Kern	582.23
	Kings	12.00
	Los Angeles	244.22
	Madera	0.05
	Marin	5.94
	Mendocino	16.48
	Monterey	59.79
	Napa	27.46
	Nevada	1.85
	Orange	84.98
	Placer	5.45
	Riverside	511.40
	Sacramento	98.62
	San Benito	41.71
	San Bernardino	3.77
	San Diego	228.96
	San Francisco	1.73
	San Joaquin	31.20
	San Luis Obispo	112.19
	San Mateo	21.11
	Santa Barbara	159.51
	Santa Clara	73.04
	Santa Cruz	83.62
	Shasta	7.53
	Solano	11.17
	Sonoma	28.59
	Stanislaus	1.22
	Sutter	0.32
	Tehama	2.50
	Tulare	46.05
	Ventura	56.05
	Yolo	5.30
	Total	2,733.21
Triclopyr, butoxyethyl ester	Alameda	1,810.54
	Amador	114.00
	Butte	1,336.81
	Calaveras	206.33
	Colusa	361.83
	Contra Costa	2,150.10
	Del Norte	5,934.77

Active Ingredient	County	Pounds Applied
	El Dorado	1,416.28
	Glenn	256.97
	Imperial	116.58
	Kings	40.79
	Los Angeles	2,377.99
	Madera	361.39
	Marin	1,244.93
	Mariposa	153.40
	Mendocino	1,411.46
	Monterey	895.33
	Napa	152.77
	Nevada	653.91
	Orange	1,659.04
	Placer	944.74
	Riverside	2,526.77
	Sacramento	2,327.82
	San Benito	234.14
	San Bernardino	1,139.41
	San Diego	1,409.39
	San Francisco	390.57
	San Joaquin	1,664.66
	San Luis Obispo	1,442.23
	San Mateo	3,149.43
	Santa Barbara	886.78
	Santa Clara	3,351.02
	Santa Cruz	121.43
	Shasta	5,328.87
	Siskiyou	1,946.16
	Solano	1,254.41
	Sonoma	836.49
	Stanislaus	221.88
	Sutter	1,519.17
	Tehama	813.69
	Tulare	65.83
	Tuolumne	433.26
	Ventura	1,836.99
	Yolo	1,120.48
	Yuba	451.80
	Total	58,072.65
Tricopyr, triethylamine salt	Alameda	327.78
	Amador	24.52
	Butte	12,785.15
	Calaveras	53.83
	Colusa	27,116.59

Active Ingredient	County	Pounds Applied
	Contra Costa	2,240.89
	Del Norte	67.17
	El Dorado	87.73
	Fresno	18.27
	Glenn	11,399.97
	Imperial	124.95
	Kings	168.35
	Los Angeles	429.03
	Madera	52.61
	Marin	134.29
	Mariposa	2.15
	Mendocino	170.61
	Merced	60.18
	Monterey	836.44
	Napa	96.17
	Nevada	79.90
	Orange	36.15
	Placer	858.38
	Riverside	122.59
	Sacramento	3,425.64
	San Benito	113.33
	San Bernardino	21.35
	San Diego	95.60
	San Francisco	130.06
	San Joaquin	384.80
	San Luis Obispo	349.76
	San Mateo	206.58
	Santa Barbara	1,065.84
	Santa Clara	781.66
	Santa Cruz	10.49
	Shasta	588.30
	Solano	50.03
	Sonoma	4,199.58
	Stanislaus	218.85
	Sutter	19,177.92
	Tehama	121.38
	Tuolumne	521.17
	Ventura	0.74
	Yolo	7,847.95
	Yuba	2,570.50
	Total	99,175.26
Triflumizole	Amador	4.50
	Butte	15.95
	Contra Costa	15.23

Active Ingredient	County	Pounds Applied
	El Dorado	4.13
	Fresno	6,163.48
	Kern	5,306.81
	Kings	35.75
	Los Angeles	11.83
	Madera	1,138.64
	Mendocino	177.63
	Merced	315.29
	Monterey	4,605.69
	Napa	900.89
	Orange	17.84
	Riverside	25.33
	Sacramento	2,565.49
	San Benito	98.95
	San Bernardino	0.19
	San Diego	20.60
	San Joaquin	1,648.83
	San Luis Obispo	216.57
	San Mateo	0.39
	Santa Barbara	273.13
	Santa Clara	63.27
	Santa Cruz	8.25
	Solano	46.65
	Sonoma	3,483.06
	Stanislaus	231.86
	Sutter	1.75
	Tulare	1,422.49
	Ventura	2.06
	Yolo	301.63
	Total	29,124.14
Triflusulfuron-methyl	Butte	1.82
	Colusa	0.83
	Fresno	5.71
	Glenn	26.12
	Imperial	312.41
	Kern	98.15
	Kings	1.44
	Merced	23.29
	Orange	0.00
	Sacramento	4.93
	San Benito	2.78
	San Joaquin	22.00
	Siskiyou	4.96
	Stanislaus	3.74

Active Ingredient	County	Pounds Applied
	Tulare	3.83
	Yolo	0.93
	Total	512.92
Trinexapac-ethyl	Alameda	0.59
	Amador	0.05
	Butte	24.86
	Calaveras	4.89
	Contra Costa	22.47
	Fresno	0.98
	Imperial	4.03
	Los Angeles	161.32
	Madera	3.89
	Monterey	17.28
	Nevada	0.06
	Orange	129.96
	Placer	38.75
	Riverside	360.99
	Sacramento	7.53
	San Bernardino	8.13
	San Diego	99.34
	San Francisco	0.81
	San Joaquin	10.22
	San Luis Obispo	4.05
	San Mateo	14.56
	Santa Barbara	0.94
	Santa Clara	53.57
	Shasta	3.23
	Sonoma	0.43
	Stanislaus	0.39
	Sutter	0.03
	Tuolumne	0.19
	Ventura	5.71
	Yolo	16.38
	Total	995.61
Uniconazole-p	Contra Costa	0.22
	Del Norte	0.04
	Los Angeles	0.22
	Madera	0.02
	Monterey	0.19
	Napa	0.00
	Riverside	0.02
	San Diego	0.00
	San Joaquin	0.01

Active Ingredient	County	Pounds Applied
	San Luis Obispo	0.02
	San Mateo	0.02
	Santa Barbara	0.05
	Santa Clara	0.11
	Santa Cruz	0.02
	Sonoma	0.02
	Tulare	0.00
	Ventura	0.00
	Total	0.95
Vinclozolin	Alameda	0.02
	Butte	2.41
	Colusa	550.79
	Contra Costa	1.04
	Fresno	3,629.12
	Glenn	389.50
	Imperial	965.19
	Kern	644.75
	Kings	83.00
	Los Angeles	289.07
	Mendocino	13.53
	Monterey	18,694.98
	Orange	62.07
	Placer	12.08
	Riverside	3.69
	Sacramento	0.36
	San Benito	266.29
	San Diego	328.31
	San Joaquin	18.75
	San Luis Obispo	1,082.08
	San Mateo	36.72
	Santa Barbara	4,237.34
	Santa Clara	70.63
	Santa Cruz	650.59
	Sonoma	0.50
	Stanislaus	24.15
	Sutter	40.00
	Tulare	530.00
	Ventura	1,308.94
	Yolo	36.25
	Yuba	52.00
	TOTAL	34,024.12

* No use reported in 2000 for fluprimidol, metiram, and prohexadione calcium

LITERATURE CITED

Johnson, B. 1991. Setting Specific Numerical Values April 1991. EH91-06

Johnson, B. 1989. Setting Specific Numerical Values October 1989. EH89-13

Johnson, B. 1988. Setting Specific Numerical Values November 1988. EH88-12

Wilkerson, M.R., K.D. Kim. 1986. The Pesticide Contamination Prevention Act: Setting Specific Numerical Values. EH86-02