

Department of Pesticide Regulation
 2016 Annual Statewide Pesticide Use Report Indexed by Commodity
 San Francisco County

Text files of data are available at <ftp://transfer.cdpr.ca.gov/pub/outgoing/pur/data/>

Units: A = Acres, S = square feet, C = cubic feet, K = thousand cubic feet, P = pounds, T = tons, U = miscellaneous unit

Commodity Chemical	Pounds Applied	Agricultural Applications	Amount Treated	Unit Type
LANDSCAPE MAINTENANCE				
ABAMECTIN	0.11			
ACEPHATE	0.28			
ACETAMIPRID	0.28			
ALKYL (50%C14, 40%C12, 10%C16) DIMETHYLBENZYL AMMONIUM CHLORIDE	0.11			
ALPHA-ALKYL (C10-C16)-OMEGA-HYDROXYPOLY (OXYETHYLENE)	0.29			
D-TRANS ALLETHRIN	< 0.01			
ALLYLOXYPOLYETHYLENE GLYCOL ACETATE	0.25			
AMINOPYRALID, TRIISOPROPANOLAMINE SALT	0.12			
AMMONIUM NONANOATE	0.21			
AZADIRACTIN	0.48			
AZOXYSTROBIN	2.79			
BACILLUS SUBTILIS GB03	< 0.01			
BACILLUS THURINGIENSIS, SUBSP. KURSTAKI, STRAIN ABTS-351, FERMENTATION SOLIDS AND SOLUBLES	0.03			
BACILLUS THURINGIENSIS, SUBSP. KURSTAKI, STRAIN HD-1	< 0.01			
BACILLUS THURINGIENSIS (BERLINER), SUBSP. KURSTAKI, STRAIN SA-11	0.08			
BENEFIN	0.05			
BIFENAZATE	0.02			
BIFENTHRIN	0.09			
BORAX	0.10			
BORIC ACID	0.19			
BOSCALID	0.08			
BROMETHALIN	< 0.01			
CARFENTHAZONE-ETHYL	0.40			
4-CHLORO-2-PHENYLPHENOL, POTASSIUM SALT	0.03			
6-CHLORO-2-PHENYLPHENOL, POTASSIUM SALT	< 0.01			
CLARIFIED HYDROPHOBIC EXTRACT OF NEEM OIL	2.07			
CLOPYRALID, MONOETHANOLAMINE SALT	1.37			
CLOTHIANIDIN	< 0.01			
COPPER AMMONIUM COMPLEX	0.56			
COPPER DIAMMONIUM DIACETATE COMPLEX	1.20			
COPPER HYDROXIDE	0.05			
COPPER OXYCHLORIDE	0.05			
COYOTE URINE	0.01			
CYFLUMETOFEN	0.05			
BETA-CYFLUTHRIN	0.10			
2,4-D, DIMETHYLAMINE SALT	0.15			
2,4-D, 2-ETHYLHEXYL ESTER	8.18			
DELTAMETHRIN	1.25			
DICAMBA	0.52			
DICAMBA, DIMETHYLAMINE SALT	0.02			
DIDECYL DIMETHYL AMMONIUM CHLORIDE	0.05			
DIKEGULAC SODIUM	2.20			
DIMETHYLPOLYSILOXANE	7.72			
DINOTEFURAN	4.26			
DIOCTYL DIMETHYL AMMONIUM CHLORIDE	0.03			
DIPHACINONE	0.03			
DIQUAT DIBROMIDE	8.06			
DITHIOPYR	0.12			
(E,E)-9, 11-TETRADECADIEN-1-YL ACETATE	< 0.01			

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EMAMECTIN BENZOATE	< 0.01			
ETHEPHON	1.45			
FERRIC SODIUM EDTA	0.85			
FIPRONIL	< 0.01			
FLUAZIFOP-P-BUTYL	0.33			
FLUDIOXONIL	0.13			
TAU-FLUVALINATE	0.18			
FOSETYL-AL	5.02			
FOX URINE	< 0.01			
FREE FATTY ACIDS AND/OR AMINE SALTS	0.04			
FREON 12	0.59			
GAMMA-CYHALOTHRIN	< 0.01			
GLYPHOSATE, ISOPROPYLAMINE SALT	285.00			
GLYPHOSATE, MONOAMMONIUM SALT	16.61			
GLYPHOSATE, POTASSIUM SALT	297.20			
HEPTAMETHYLTRISILOXANE ETHOXYLATED	0.06			
HYDROPRENE	0.88			
2-(3-HYDROXYPROPYL)-HEPTA-METHYL TRISILOXANE, ETHOXYLATED, ACETATE	0.85			
IMAZAPYR, ISOPROPYLAMINE SALT	3.10			
IMIDACLOPRID	25.69			
INDOXACARB	0.02			
IRON HEDTA	11.07			
IRON PHOSPHATE	3.17			
ISOXABEN	8.59			
LIMONENE	80.86			
MARGOSA OIL	1.46			
MCPA, ISOCTYL ESTER	0.04			
MECOPROP-P	2.05			
MEFENOXAM	1.80			
MEFENOXAM, OTHER RELATED	0.05			
METALDEHYDE	1.99			
METCONAZOLE	4.20			
S-METHOPRENE	< 0.01			
METHYLENE CHLORIDE	0.33			
MINERAL OIL	45.09			
ALPHA-(PARA-NONYLPHENYL)-OMEGA-HYDROXYPOLY (OXYETHYLENE)	2.13			
N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE	< 0.01			
OCTYL DECYL DIMETHYL AMMONIUM CHLORIDE	0.09			
OLEIC ACID, ETHYL ESTER	18.21			
OLEIC ACID, METHYL ESTER	18.95			
ORYZALIN	0.57			
OXADIAZON	3.12			
PACLOBUTRAZOL	7.12			
PENDIMETHALIN	5.68			
PENOXSULAM	0.53			
PERMETHRIN	2.02			
PETROLEUM DISTILLATES	0.41			
PETROLEUM DISTILLATES, REFINED	417.70			
PETROLEUM OIL, UNCLASSIFIED	77.03			
PHENOTHRIN	< 0.01			
PINE OIL	0.17			
PIPERONYL BUTOXIDE	0.08			
PIPERONYL BUTOXIDE, OTHER RELATED	0.02			

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Commodity Chemical	Pounds Applied	Agricultural Applications	Amount Treated	Unit Type
POLYALKENE OXIDE MODIFIED HEPTAMETHYL TRISILOXANE	0.63			
POLYETHYLENE GLYCOL DIACETATE	0.02			
POLYOXYETHYLENE DIOLEATE	3.19			
POLYOXYETHYLENE SORBITAN MONOOLEATE	0.91			
POTASH SOAP	1.15			
POTASSIUM PHOSPHITE	143.26			
PRODIAMINE	2.91			
PROPICONAZOLE	0.74			
PROPYLENE GLYCOL	0.25			
PYRACLOSTROBIN	0.16			
PYRETHRINS	0.01			
PYRIPROXYFEN	< 0.01			
QUINCLORAC	0.07			
QUINCLORAC, DIMETHYLAMINE SALT	16.73			
ROTENONE	< 0.01			
ROTENONE, OTHER RELATED	< 0.01			
SETHOXYDIM	0.03			
SOAP	0.02			
SOYBEAN OIL	26.31			
SPINOSAD	< 0.01			
STREPTOMYCES LYDICUS WYEC 108	< 0.01			
STRYCHNINE	< 0.01			
SULFENTRAZONE	< 0.01			
TETRACHLOROETHYLENE	0.95			
E-11-TETRADECEN-1-YL ACETATE	0.03			
THIOPHANATE-METHYL	4.05			
TRICHLOROFLUOROMETHANE	0.59			
TRICLOPYR, BUTOXYETHYL ESTER	61.73			
TRICLOPYR, TRIETHYLAMINE SALT	0.14			
TRIFLURALIN	17.25			
TRITICONAZOLE	2.89			
Site Total	1,680.64			
N-GRNHS FLOWER				
ACETIC ACID	0.47			
ACIBENZOLAR-S-METHYL	1.58		116.10	A
AZADIRACTIN	0.01		1,800.00	S
AZOXYSTROBIN	2.85		23.20	A
BACILLUS FIRMUS (STRAIN I-1582)	73.50		27.00	A
CARBARYL	10.68		2.85	A
CARFENTRAZONE-ETHYL	6.15		215.20	A
			194,120.00	S
Total Pounds On This Chemical	6.43			
CHLORANTRANILIPROLE	7.23		68.00	A
CHLOROTHALONIL	1,772.87		273.70	A
CITRIC ACID	0.29			
CLOPYRALID, MONOETHANOLAMINE SALT	0.65		3.50	A
			100,000.00	S
Total Pounds On This Chemical	0.90			
CLOTHIANIDIN	0.61		117,175.00	S
2,4-D, 2-ETHYLHEXYL ESTER	167.02		202.10	A
			102,000.00	S
Total Pounds On This Chemical	170.31			
DICAMBA	10.14		202.10	A

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Commodity Chemical	Pounds Applied	Agricultural Applications	Amount Treated	Unit Type
Total Pounds On This Chemical	10.33	0.20	102,000.00	S
DIMETHYLPOLYSILOXANE		< 0.01	9.30	A
ETHEPHON		203.87	58.00	A
ETHOFUMESATE		578.29	113.50	A
FLUAZIFOP-P-BUTYL		6.90	3.00	A
FLUDIOXONIL		3.70	13.50	A
IMIDACLOPRID		7.80	29.00	A
IPRODIONE		6.87	140,000.00	S
		6.00	3.00	A
Total Pounds On This Chemical	12.87			
MANCOZEB		32.00	2.80	A
		2.40	25,000.00	S
Total Pounds On This Chemical	34.40			
MECOPROP-P		36.03	202.10	A
		0.68	102,000.00	S
Total Pounds On This Chemical	36.71			
MESOTRIONE		1.45	9.30	A
METHIOZOLIN		8.56	16.00	A
		0.69	78,560.00	S
Total Pounds On This Chemical	9.26			
MINERAL OIL		166.19	6.00	A
		1.79	1.00	U
Total Pounds On This Chemical	167.98			
MYCLOBUTANIL		1.60	2.00	A
ALPHA-(PARA-NONYLPHENYL)-OMEGA-HYDROXYPOLY (OXYETHYLENE)		1.32	9.30	A
PACLOBUTRAZOL		16.95	74.00	A
PENOX SULAM		0.51	51.00	A
		0.04	36,000.00	S
Total Pounds On This Chemical	0.55			
PENTHIOPYRAD		4.11	6.00	A
POTASSIUM PHOSPHITE		354.22	26.60	A
PRODIAMINE		3.72	6.00	A
PROPICONAZOLE		190.35	391.90	A
		0.22	6,500.00	S
Total Pounds On This Chemical	190.57			
QUINCLORAC, DIMETHYLAMINE SALT		0.07	4,000.00	S
TEBUCONAZOLE		16.90	12.50	A
TRICLOPYR, BUTOXYETHYL ESTER		13.74	9.30	A
TRINEXAPAC-ETHYL		115.56	1,446.30	A
Site Total		3,840.60		
N-GRNHS PLANTS IN CONTAINERS				
AZADIRACTIN		0.01	2,200.00	S
AZOXYSTROBIN		0.98	3.00	A
DIFENOCONAZOLE		0.61	3.00	A
DINOTEFURAN		0.10	4.00	U
IMIDACLOPRID		0.13	2.00	U
Site Total		1.82		
PUBLIC HEALTH				
BACILLUS SPHAERICUS, SEROTYPE H-5A5B, STRAIN 2362		5.71		
BACILLUS THURINGIENSIS (BERLINER)		0.07		

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BACILLUS THURINGIENSIS (BERLINER), SUBSP.				
ISRAELENSIS, SEROTYPE H-14	8.00			
BROMETHALIN	0.05			
DIPHACINONE	< 0.01			
ALPHA-ISOOCTADECYL-OMEGA-HYDROXPOLY(OXYETHYLENE)	66.77			
MINERAL OIL	0.17			
PETROLEUM DISTILLATES, REFINED	191.06			
Site Total	271.83			
REGULATORY PEST CONTROL				
ABAMECTIN	< 0.01			
CLOTHIANIDIN	0.02			
DDVP	0.62			
DDVP, OTHER RELATED	0.04			
DIFETHIALONE	< 0.01			
ESFENVALERATE	< 0.01			
ETOFENPROX	1.13			
FIPRONIL	0.01			
HYDRAMETHYLNON	< 0.01			
HYDROPRENE	0.19			
IMIDACLOPRID	0.05			
INDOXACARB	0.03			
N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE	1.01			
PHENOTHRIN	0.40			
PIPERONYL BUTOXIDE	1.72			
PYRETHRINS	0.17			
TETRAMETHRIN	0.56			
Site Total	5.97			
RIGHTS OF WAY				
D-TRANS ALLETHRIN	< 0.01			
AMINOCYCLOPYRACHLOR, POTASSIUM SALT	29.16			
AMINOPYRALID, TRIISOPROPANOLAMINE SALT	0.72			
BORAX	1,222.34			
BORIC ACID	0.18			
CLOPYRALID, MONOETHANOLAMINE SALT	0.03			
COPPER HYDROXIDE	87.11			
BETA-CYFLUTHRIN	9.51			
DIETHYLENE GLYCOL	4.52			
DIMETHYLPOLYSILOXANE	0.10			
DIQUAT DIBROMIDE	36.09			
DITHIOPYR	4.50			
DIURON	3.00			
FATTY ACIDS, MIXED	8.05			
GLYPHOSATE, DIMETHYLAMINE SALT	286.11			
GLYPHOSATE, ISOPROPYLAMINE SALT	87.82			
GLYPHOSATE, MONOAMMONIUM SALT	5.86			
GLYPHOSATE, POTASSIUM SALT	42.38			
IMIDACLOPRID	19.02			
INDAZIFLAM	11.51			
ISOXABEN	6.89			
LIMONENE	47.69			
METAM-SODIUM	11,607.41			
METHYLATED SOYBEAN OIL	54.04			

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ALPHA-(PARA-NONYLPHENYL)-OMEGA-HYDROXYPOLY (OXYETHYLENE)	11.78			
ALPHA-(PARA-NONYLPHENYL)-OMEGA-HYDROXYPOLY (OXYETHYLENE), BRANCHED	6.00			
OLEIC ACID, ETHYL ESTER	7.70			
OLEIC ACID, METHYL ESTER	2.56			
OXYFLUORFEN	5.08			
PHENOTHRIN	< 0.01			
POLYOXYETHYLENE DIOLEATE	1.35			
POLYOXYETHYLENE SORBITAN MONOOLEATE	0.38			
PRODIAMINE	0.36			
SULFENTRAZONE	1.52			
SULFOMETURON-METHYL	21.00			
TEBUTHIURON	1.00			
TRICLOPYR, BUTOXYETHYL ESTER	1.99			
TRICLOPYR, TRIETHYLAMINE SALT	7.33			
ALPHA-UNDECYL-OMEGA-HYDROXYPOLY(OXYETHYLENE)	11.78			
Site Total	13,653.89			
STRUCTURAL PEST CONTROL				
ABAMECTIN	0.21			
ABAMECTIN, OTHER RELATED	< 0.01			
ACEPHATE	65.25			
ACETAMIPRID	3.66			
ALKYL (50%C14, 40%C12, 10%C16) DIMETHYLBENZYL AMMONIUM CHLORIDE	0.48			
ALKYL (60%C14, 30%C16, 5%C12, 5%C18) DIMETHYLBENZYL AMMONIUM CHLORIDE	< 0.01			
ALKYL (68%C12, 32%C14) DIMETHYLETHYLBENZYL AMMONIUM CHLORIDE	< 0.01			
ALLETHRIN	< 0.01			
D-TRANS ALLETHRIN	0.11			
4-AMINOPYRIDINE	< 0.01			
AZADIRACTIN	0.05			
BACILLUS SPHAERICUS, SEROTYPE H-5A5B, STRAIN 2362	0.54			
BACILLUS THURINGIENSIS (BERLINER)	0.03			
BACILLUS THURINGIENSIS (BERLINER), SUBSP. ISRAELENSIS, SEROTYPE H-14	0.90			
BIFENTHRIN	38.55			
BORAX	31.94			
BORIC ACID	708.84			
BRODIFACOU	0.04			
BROMADIOLONE	0.35			
BROMETHALIN	< 0.01			
CAPSICUM OLEORESIN	< 0.01			
CARBON	0.20			
CHLORANTRANILIPROLE	4.86			
CHLORFENAPYR	174.10			
CHLORINE DIOXIDE	< 0.01			
CHLOROPHACINONE	< 0.01			
CHLOROPICRIN	0.33			
CHLORPYRIFOS	< 0.01			
CHOLECALCIFEROL	0.57			
CLOTHIANIDIN	0.47			

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COYOTE URINE	0.12			
CYANTRANILIPROLE	< 0.01			
CYFLUTHRIN	156.26			
BETA-CYFLUTHRIN	331.63			
CYPERMETHRIN	106.96			
DDVP	0.70			
DDVP, OTHER RELATED	0.05			
DELTAMETHRIN	3,152.36			
DIATOMACEOUS EARTH	110.85			
DIATOMACEOUS EARTH, OTHER RELATED	< 0.01			
DIDECYL DIMETHYL AMMONIUM CHLORIDE	0.08			
DIFETHIALONE	0.18			
DINOTEFURAN	95.25			
DIPHACINONE	0.14			
DIPHACINONE, SODIUM SALT	< 0.01			
DISODIUM OCTABORATE TETRAHYDRATE	1,670.81			
ESFENVALERATE	3.28			
ETOFENPROX	0.75			
FIPRONIL	167.18			
FOX URINE	0.17			
GAMMA-CYHALOTHRIN	0.97			
HYDRAMETHYLNON	2.80			
HYDROPRENE	108.77			
IMIDACLOPRID	654.34			
INDOXACARB	88.66			
IRON PHOSPHATE	0.03			
ISOPROPYL ALCOHOL	41.16			
LAMBDA-CYHALOTHRIN	13.94			
LIMONENE	222.15			
MARGOSA OIL	0.18			
METALDEHYDE	0.52			
METHOPRENE	58.48			
S-METHOPRENE	0.28			
METOFLUTHRIN	< 0.01			
MUSCALURE	0.01			
NICARBAZIN	< 0.01			
NOVALURON	0.02			
NOVIFLUMURON	0.09			
N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE	98.44			
PERMETHRIN	68.03			
PERMETHRIN, OTHER RELATED	0.11			
PETROLEUM DISTILLATES	3.19			
PETROLEUM DISTILLATES, REFINED	70.78			
PHENOTHRIN	9.04			
PHENOTHRIN, OTHER RELATED	< 0.01			
PHENYLETHYL PROPIONATE	0.20			
PIPERONYL BUTOXIDE	156.13			
PIPERONYL BUTOXIDE, OTHER RELATED	20.30			
POLYBUTENES	0.13			
POTASSIUM PHOSPHITE	0.61			
PRALLETHRIN	1.22			
PROPOXUR	0.45			
PYRETHRINS	36.37			
PYRIPROXYFEN	24.74			
SILICA AEROGEL	64.40			

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SODIUM DECYL SULFATE	5.57			
SODIUM LAUROAMPHO ACETATE	4.21			
SODIUM LAURYL SULFATE	2.84			
SODIUM NITRATE	1.09			
STRYCHNINE	< 0.01			
SULFUR	0.83			
SULFURYL FLUORIDE	758.73			
Z,E-9,12-TETRADECADIEN-1-YL ACETATE	0.06			
TETRAMETHRIN	0.18			
THIAMETHOXAM	1.73			
THYME	0.08			
WARFARIN	< 0.01			
ZINC PHOSPHIDE	1.23			
Site Total	9,351.36			
VERTEBRATE CONTROL				
POLYBUTENES	9.74			
Site Total	9.74			
WATER (INDUSTRIAL)				
1-BROMO-3-CHLORO-5,5-DIMETHYL HYDANTOIN	1,525.04		76.00	U
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE	72.20		702.00	U
2,2-DIBROMO-3-NITRILOPROPIONAMIDE	42.83		42.00	U
1,3-DICHLORO-5,5-DIMETHYLHYDANTOIN	813.17		76.00	U
1,3-DICHLORO-5-ETHYL-5-METHYLHYDANTOIN	447.38		76.00	U
DIOCTYL DIMETHYL AMMONIUM CHLORIDE	188.55		3.00	U
GLUTARALDEHYDE	1,549.47		786.00	U
2-METHYL-4-ISOTHIAZOLIN-3-ONE	25.40		702.00	U
SODIUM BROMIDE	675.77		746.00	U
SODIUM BROMOSULFAMATE, SODIUM CHLOROSULFAMATE, POTASSIUM BROMOSULFAMATE, POTASSIUM CHLOROSULFAMATE	49.00		1.00	U
SODIUM DICHLORO-S-TRIAZINETRIONE	24.75		50.00	U
SODIUM DICHLORO-S-TRIAZINETRIONE DIHYDRATE	29.70		60.00	U
SODIUM HYPOCHLORITE	703.19		766.00	U
TRICHLORO-S-TRIAZINETRIONE	4.95		10.00	U
Site Total	6,151.42			
WATER FILTER				
SODIUM HYPOCHLORITE	55.89		43.00	U
Site Total	55.89			
San Francisco County Total	35,023.17	0		