

2023 Annual Statewide Pesticide Use Report Indexed by Chemical: Tuolumne County

[Text files](#) of data are available. Units: A = Acres, S = Square Feet, C = Cubic Feet, K =Thousand Cubic Feet, P = Pounds, T =Tons, U = Miscellaneous Unit, N/A = Not Available. Area treated totals are cumulative, meaning that if a one-acre field was treated three times in a year, the cumulative area treated would equal three acres. Most nonagricultural pesticide use reports are not required to report area treated, so the area treated totals are predominantly agricultural pesticide uses. Application counts (Apps) include only agricultural pesticide uses. N-outdr = Outdoor nursery. N-grnhs = Greenhouse nursery. For more information, see Pesticide Use Annual Report Data Access, References, and Definitions [Guide](#).

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
(e,e)-8,10-dodecadien-1-ol	Apple	0.94	3	36.70	A
2,4-d, 2-ethylhexyl ester	Landscape Maintenance	0.43	0	0.00	N/A
2,4-d, 2-ethylhexyl ester	Rights Of Way	0.72	0	0.00	N/A
2,4-d, dimethylamine salt	Rights Of Way	0.10	0	0.00	N/A
2,4-dp-p, 2-ethylhexyl ester	Landscape Maintenance	0.16	0	0.00	N/A
Abamectin	Grape, Wine	0.02	1	1.00	A
Abamectin	Structural Pest Control	< 0.01	0	0.00	N/A
Acephate	Landscape Maintenance	0.05	0	0.00	N/A
Acephate	Structural Pest Control	0.77	0	0.00	N/A
Acetamiprid	Structural Pest Control	0.06	0	0.00	N/A
Aggregated adjuvant data	Apple	28.42	3	36.70	A
Aggregated adjuvant data	Forest, Timberland	2,883.50	135	3,263.67	A
Aggregated adjuvant data	Grape, Wine	0.81	3	3.50	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
Aggregated adjuvant data	Landscape Maintenance	318.44	0	0.00	N/A
Aggregated adjuvant data	Olive	0.89	1	0.95	A
Aggregated adjuvant data	Rangeland	1.71	2	1.02	A
Aggregated adjuvant data	Regulatory Pest Control	4.05	0	0.00	N/A
Aggregated adjuvant data	Rights Of Way	553.87	0	0.00	N/A
Aggregated adjuvant data	Structural Pest Control	8.39	0	0.00	N/A
Aggregated adjuvant data	Uncultivated Non-Ag	3.62	0	4.75	A
Alkyl (c8,c10) polyglucoside	Landscape Maintenance	94.78	0	0.00	N/A
Alkyl (c8,c10) polyglucoside	Rights Of Way	12.42	0	0.00	N/A
Alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Forest, Timberland	976.09	74	1,553.70	A
Alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Landscape Maintenance	103.27	0	0.00	N/A
Alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Rights Of Way	282.31	0	0.00	N/A
Alpha-alkyl (c9-c11)-omega-hydroxypoly(oxyethylene)	Rights Of Way	4.91	0	0.00	N/A
Alpha-cypermethrin	Structural Pest Control	33.43	0	0.00	N/A
Alpha-undecyl-omega-hydroxypoly(oxyethylene)	Landscape Maintenance	146.21	0	0.00	N/A
Alpha-undecyl-omega-hydroxypoly(oxyethylene)	Rights Of Way	10.51	0	0.00	N/A
Alpha-[para-(1,1,3,3-tetramethylbutyl)phenyl]-omega-hydroxypoly(oxyethylene)	Landscape Maintenance	2.04	0	0.00	N/A
Aminocyclopyrachlor, potassium salt	Rights Of Way	79.42	0	0.00	N/A
Aminopyralid, triisopropanolamine salt	Landscape Maintenance	43.51	0	0.00	N/A
Aminopyralid, triisopropanolamine salt	Pastureland	0.23	0	5.00	A
Aminopyralid, triisopropanolamine salt	Rangeland	1.80	9	49.70	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
Aminopyralid, triisopropanolamine salt	Regulatory Pest Control	0.05	0	0.00	N/A
Aminopyralid, triisopropanolamine salt	Rights Of Way	41.40	0	0.00	N/A
Aminopyralid, triisopropanolamine salt	Structural Pest Control	0.12	0	0.00	N/A
Ammonium sulfate	Landscape Maintenance	78.22	0	0.00	N/A
Azoxystrobin	Golf Course Turf	1.50	0	3.00	A
Bacillus thuringiensis subsp. israelensis strain: am 65-52	Landscape Maintenance	0.64	0	0.00	N/A
Beauveria bassiana strain: gha	Structural Pest Control	0.03	0	0.00	N/A
Beta-cyfluthrin	Structural Pest Control	0.10	0	0.00	N/A
Bifenthrin	Grape, Wine	0.10	1	1.00	A
Bifenthrin	Landscape Maintenance	4.31	0	0.00	N/A
Bifenthrin	Structural Pest Control	357.52	0	0.00	N/A
Boric acid	Landscape Maintenance	2.55	0	0.00	N/A
Boric acid	Structural Pest Control	4.25	0	0.00	N/A
Boscalid	Grape, Wine	0.05	1	1.00	A
Brodifacoum	Animal Premise	< 0.01	5	85.00	A
Bromadiolone	Animal Premise	< 0.01	2	60.00	A
Bromadiolone	Structural Pest Control	< 0.01	0	0.00	N/A
Bromethalin	Structural Pest Control	0.16	0	0.00	N/A
Carfentrazone-ethyl	Golf Course Turf	0.66	0	15.00	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
Carfentrazone-ethyl	Landscape Maintenance	0.02	0	0.00	N/A
Carfentrazone-ethyl	Rights Of Way	0.02	0	0.00	N/A
Chlorantraniliprole	Apple	3.28	3	36.70	A
Chlorantraniliprole	Golf Course Turf	0.28	0	3.00	A
Chlorfenapyr	Structural Pest Control	1.06	0	0.00	N/A
Chlorophacinone	Landscape Maintenance	< 0.01	0	0.00	N/A
Chlorothalonil	Golf Course Turf	89.74	0	15.00	A
Chlorsulfuron	Landscape Maintenance	19.24	0	0.00	N/A
Chlorsulfuron	Rangeland	0.07	1	0.70	A
Chlorsulfuron	Rights Of Way	8.97	0	0.00	N/A
Chlorsulfuron	Uncultivated Non-Ag	0.19	0	2.75	A
Cholecalciferol	Structural Pest Control	0.26	0	0.00	N/A
Clopyralid, monoethanolamine salt	Golf Course Turf	6.94	0	21.00	A
Clopyralid, monoethanolamine salt	Landscape Maintenance	0.98	0	0.00	N/A
Clopyralid, monoethanolamine salt	Rights Of Way	32.71	0	0.00	N/A
Clopyralid, monoethanolamine salt	Structural Pest Control	1.35	0	0.00	N/A
Clopyralid, monoethanolamine salt	Uncultivated Non-Ag	0.66	0	2.00	A
Clothianidin	Landscape Maintenance	< 0.01	0	0.00	N/A
Clothianidin	Structural Pest Control	0.93	0	0.00	N/A
Coconut diethanolamide	Landscape Maintenance	0.40	0	0.00	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
Copper carbonate, basic	Rights Of Way	82.13	0	0.00	N/A
Copper diammonium diacetate complex	Landscape Maintenance	6.57	0	0.00	N/A
Copper ethanolamine complexes, mixed	Landscape Maintenance	7.82	0	0.00	N/A
Copper ethanolamine complexes, mixed	Rights Of Way	9.43	0	0.00	N/A
Copper ethanolamine complexes, mixed	Water Area	876.08	0	325.25	A
Copper ethylenediamine complex	Water Area	50.30	0	12.00	A
Copper hydroxide	Grape, Wine	1.16	1	1.50	A
Copper hydroxide	Rights Of Way	13.54	0	0.00	N/A
Copper sulfate (pentahydrate)	Water Area	141.50	0	16.99	A
Copper triethanolamine complex	Water Area	56.78	0	12.00	A
Cyantraniliprole	Structural Pest Control	0.03	0	0.00	N/A
Cyfluthrin	Structural Pest Control	14.83	0	0.00	N/A
Cypermethrin	Structural Pest Control	0.40	0	0.00	N/A
Deltamethrin	Landscape Maintenance	0.02	0	0.00	N/A
Deltamethrin	Structural Pest Control	83.51	0	0.00	N/A
Diatomaceous earth	Structural Pest Control	4.87	0	0.00	N/A
Dicamba	Landscape Maintenance	0.03	0	0.00	N/A
Dicamba	Rights Of Way	0.04	0	0.00	N/A
Dicamba, dimethylamine salt	Rights Of Way	0.01	0	0.00	N/A
Diethylene glycol	Landscape Maintenance	0.85	0	0.00	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
Dimethyl silicone fluid emulsion	Landscape Maintenance	1.84	0	0.00	N/A
Dimethylpolysiloxane	Landscape Maintenance	0.08	0	0.00	N/A
Dimethylpolysiloxane	Rights Of Way	0.65	0	0.00	N/A
Dinotefuran	Structural Pest Control	36.62	0	0.00	N/A
Diphacinone	Landscape Maintenance	< 0.01	0	0.00	N/A
Diphacinone	Structural Pest Control	0.04	0	0.00	N/A
Diphacinone, sodium salt	Structural Pest Control	< 0.01	0	0.00	N/A
Diquat dibromide	Landscape Maintenance	3.86	0	0.00	N/A
Diquat dibromide	Rights Of Way	1.17	0	0.00	N/A
Disodium octaborate anhydrous	Rights Of Way	30.02	0	0.00	N/A
Disodium octaborate tetrahydrate	Buildings/Non-Ag Outdoor	< 0.01	0	3.00	U
Disodium octaborate tetrahydrate	Regulatory Pest Control	0.49	0	0.00	N/A
Disodium octaborate tetrahydrate	Rights Of Way	8.07	0	0.00	N/A
Disodium octaborate tetrahydrate	Structural Pest Control	40.79	0	0.00	N/A
Dithiopyr	Golf Course Turf	56.47	0	42.00	A
Dithiopyr	Landscape Maintenance	221.32	0	0.00	N/A
Dithiopyr	Rights Of Way	326.47	0	0.00	N/A
Diuron	Landscape Maintenance	164.06	0	0.00	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
Dodecylbenzene sulfonic acid	Landscape Maintenance	1.74	0	0.00	N/A
Edta, tetrasodium salt	Landscape Maintenance	0.11	0	0.00	N/A
Emamectin benzoate	Landscape Maintenance	0.06	0	0.00	N/A
Emamectin benzoate	Structural Pest Control	5.39	0	0.00	N/A
Endothall, mono(n,n-dimethylalkylamine) salt	Water Area	0.17	0	1.00	A
Esfenvalerate	Structural Pest Control	4.40	0	0.00	N/A
Ethephon	Landscape Maintenance	< 0.01	0	0.00	N/A
Etofenprox	Structural Pest Control	0.08	0	0.00	N/A
Fipronil	Landscape Maintenance	0.02	0	0.00	N/A
Fipronil	Structural Pest Control	39.50	0	0.00	N/A
Flumioxazin	Landscape Maintenance	18.03	0	0.00	N/A
Flumioxazin	Rights Of Way	26.44	0	0.00	N/A
Flumioxazin	Water Area	0.28	0	2.50	A
Fluopyram	Grape, Wine	0.41	1	6.00	A
Fluridone	Landscape Maintenance	3.92	0	0.00	N/A
Fluroxypyr, 1-methylheptyl ester	Landscape Maintenance	44.05	0	0.00	N/A
Fluroxypyr, 1-methylheptyl ester	Rights Of Way	8.64	0	0.00	N/A
Flutriafol	Grape, Wine	0.16	1	2.00	A
Glufosinate-ammonium	Grape, Wine	0.86	1	1.00	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
Glufosinate-ammonium	Landscape Maintenance	411.45	0	0.00	N/A
Glufosinate-ammonium	Rights Of Way	117.09	0	0.00	N/A
Glycerol	Landscape Maintenance	16.38	0	0.00	N/A
Glyphosate, dimethylamine salt	Forest, Timberland	7,148.43	91	1,862.42	A
Glyphosate, dimethylamine salt	Rights Of Way	1,054.55	0	0.00	N/A
Glyphosate, isopropylamine salt	Forest, Timberland	8,867.81	90	2,084.47	A
Glyphosate, isopropylamine salt	Grape, Wine	26.03	3	8.00	A
Glyphosate, isopropylamine salt	Landscape Maintenance	1,045.13	0	0.00	N/A
Glyphosate, isopropylamine salt	Olive	2.51	1	0.95	A
Glyphosate, isopropylamine salt	Rangeland	1.15	5	5.16	A
Glyphosate, isopropylamine salt	Regulatory Pest Control	19.41	0	0.00	N/A
Glyphosate, isopropylamine salt	Rights Of Way	4.95	3	150.00	A
Glyphosate, isopropylamine salt	Rights Of Way	1,447.21	0	0.00	N/A
Glyphosate, isopropylamine salt	Structural Pest Control	0.90	0	0.00	N/A
Glyphosate, isopropylamine salt	Uncultivated Non-Ag	3.78	0	4.00	A
Glyphosate, monoammonium salt	Landscape Maintenance	6.23	0	0.00	N/A
Glyphosate, potassium salt	Landscape Maintenance	119.64	0	0.00	N/A
Glyphosate, potassium salt	Olive	0.95	1	0.95	A
Glyphosate, potassium salt	Rights Of Way	952.10	0	0.00	N/A
Halosulfuron-methyl	Landscape Maintenance	< 0.01	0	0.00	N/A
Halosulfuron-methyl	Rights Of Way	< 0.01	0	0.00	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
Hexazinone	Forest, Timberland	14.25	2	19.00	A
Hydramethylnon	Structural Pest Control	< 0.01	0	0.00	N/A
Hydroprene	Landscape Maintenance	0.04	0	0.00	N/A
Hydroprene	Structural Pest Control	3.46	0	0.00	N/A
Imazapyr, isopropylamine salt	Forest, Timberland	502.62	49	1,003.10	A
Imazapyr, isopropylamine salt	Landscape Maintenance	2.53	0	0.00	N/A
Imazapyr, isopropylamine salt	Rangeland	0.34	2	0.35	A
Imazapyr, isopropylamine salt	Regulatory Pest Control	2.71	0	0.00	N/A
Imazapyr, isopropylamine salt	Rights Of Way	43.52	0	0.00	N/A
Imidacloprid	Golf Course Turf	23.86	0	50.00	A
Imidacloprid	Landscape Maintenance	1.16	0	0.00	N/A
Imidacloprid	Regulatory Pest Control	0.67	0	0.00	N/A
Imidacloprid	Structural Pest Control	75.17	0	0.00	N/A
Indaziflam	Forest, Timberland	1.50	6	40.00	A
Indaziflam	Grape, Wine	0.07	1	1.00	A
Indaziflam	Landscape Maintenance	10.88	0	0.00	N/A
Indaziflam	Rights Of Way	35.54	0	0.00	N/A
Indaziflam	Uncultivated Non-Ag	0.08	0	0.75	A
Indoxacarb	Structural Pest Control	0.02	0	0.00	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
Iron phosphate	Landscape Maintenance	0.07	0	0.00	N/A
Iron phosphate	Structural Pest Control	0.03	0	0.00	N/A
Isopropyl alcohol	Landscape Maintenance	2.02	0	0.00	N/A
Isoxaben	Landscape Maintenance	10.70	0	0.00	N/A
Isoxaben	Rights Of Way	10.32	0	0.00	N/A
Isoxaben	Structural Pest Control	0.45	0	0.00	N/A
Kresoxim-methyl	Grape, Wine	0.16	1	6.00	A
Lambda-cyhalothrin	Structural Pest Control	4.45	0	0.00	N/A
Lecithin	Rights Of Way	12.50	0	0.00	N/A
Mecoprop-p	Landscape Maintenance	0.04	0	0.00	N/A
Mecoprop-p	Rights Of Way	0.15	0	0.00	N/A
Mesotrione	Water Area	1.99	0	0.25	A
Metam-sodium	Rights Of Way	271.66	0	0.00	N/A
Methoxyfenozide	Grape, Wine	0.56	1	6.00	A
Methylated soybean oil	Forest, Timberland	5,613.62	96	1,970.62	A
Methylated soybean oil	Landscape Maintenance	645.49	0	0.00	N/A
Methylated soybean oil	Rights Of Way	833.00	0	0.00	N/A
Metofluthrin	Structural Pest Control	0.02	0	0.00	N/A
Mineral oil	Landscape Maintenance	1.68	0	0.00	N/A
Mineral oil	Rights Of Way	7.03	0	0.00	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
Mineral oil	Structural Pest Control	44.75	0	0.00	N/A
Muscalure	Structural Pest Control	< 0.01	0	0.00	N/A
N-octyl bicycloheptene dicarboximide	Structural Pest Control	0.35	0	0.00	N/A
Novaluron	Landscape Maintenance	< 0.01	0	0.00	N/A
Novaluron	Structural Pest Control	0.23	0	0.00	N/A
Noviflumuron	Structural Pest Control	< 0.01	0	0.00	N/A
Oleic acid, ethyl ester	Rights Of Way	39.02	0	0.00	N/A
Oryzalin	Landscape Maintenance	4.85	0	0.00	N/A
Oryzalin	Olive	1.46	1	0.95	A
Oxyfluorfen	Landscape Maintenance	23.32	0	0.00	N/A
Oxyfluorfen	Rights Of Way	284.88	0	0.00	N/A
Pendimethalin	Landscape Maintenance	75.25	0	0.00	N/A
Pendimethalin	Rights Of Way	361.74	0	0.00	N/A
Penoxsulam	Landscape Maintenance	0.49	0	0.00	N/A
Penoxsulam	Rights Of Way	7.10	0	0.00	N/A
Penthiopyrad	Golf Course Turf	4.12	0	6.00	A
Permethrin	Landscape Maintenance	12.83	0	0.00	N/A
Permethrin	Structural Pest Control	233.52	0	0.00	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
Phenothrin	Structural Pest Control	0.02	0	0.00	N/A
Phosphoric acid	Landscape Maintenance	0.34	0	0.00	N/A
Piperonyl butoxide	Structural Pest Control	10.79	0	0.00	N/A
Piperonyl butoxide, other related	Structural Pest Control	0.07	0	0.00	N/A
Potassium silicate	Grape, Wine	0.24	1	1.00	A
Prallethrin	Buildings/Non-Ag Outdoor	< 0.01	0	3.00	U
Prallethrin	Structural Pest Control	1.23	0	0.00	N/A
Prodiamine	Landscape Maintenance	0.46	0	0.00	N/A
Pyraclostrobin	Grape, Wine	0.02	1	1.00	A
Pyraflufen-ethyl	Landscape Maintenance	< 0.01	0	0.00	N/A
Pyrethrins	Structural Pest Control	0.17	0	0.00	N/A
Pyriproxyfen	Landscape Maintenance	< 0.01	0	0.00	N/A
Pyriproxyfen	Structural Pest Control	0.68	0	0.00	N/A
Quinclorac	Rights Of Way	0.07	0	0.00	N/A
Rimsulfuron	Grape, Wine	0.06	1	1.00	A
Rimsulfuron	Landscape Maintenance	66.16	0	0.00	N/A
Rimsulfuron	Rangeland	0.02	1	0.32	A
Rimsulfuron	Regulatory Pest Control	0.18	0	0.00	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
S-methoprene	Structural Pest Control	0.05	0	0.00	N/A
Silica gel	Structural Pest Control	0.28	0	0.00	N/A
Silicone defoamer	Landscape Maintenance	0.05	0	0.00	N/A
Sodium tetraborate decahydrate	Forest, Timberland	137.00	2	137.00	A
Sodium tetraborate decahydrate	Rights Of Way	2,264.69	0	0.00	N/A
Sodium tetraborate decahydrate	Structural Pest Control	0.49	0	0.00	N/A
Sodium xylene sulfonate	Landscape Maintenance	4.26	0	0.00	N/A
Strychnine	Forest, Timberland	2.41	8	883.10	A
Strychnine	Landscape Maintenance	0.06	0	0.00	N/A
Sulfentrazone	Landscape Maintenance	3.76	0	0.00	N/A
Sulfentrazone	Rights Of Way	6.19	0	0.00	N/A
Sulfometuron-methyl	Landscape Maintenance	13.61	0	0.00	N/A
Sulfometuron-methyl	Rights Of Way	21.36	0	0.00	N/A
Sulfur	Grape, Wine	24.00	4	14.50	A
Sulfuryl fluoride	Structural Pest Control	191.62	0	0.00	N/A
Tall oil fatty acids	Landscape Maintenance	0.95	0	0.00	N/A
Tall oil fatty acids	Rights Of Way	52.75	0	0.00	N/A
Tebuconazole	Grape, Wine	0.41	1	6.00	A
Tetramethrin	Structural Pest Control	0.02	0	0.00	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
Tetrapotassium pyrophosphate	Landscape Maintenance	0.27	0	0.00	N/A
Thiamethoxam	Structural Pest Control	< 0.01	0	0.00	N/A
Triclopyr choline	Rights Of Way	3.74	0	0.00	N/A
Triclopyr choline	Uncultivated Non-Ag	5.58	0	4.00	A
Triclopyr, butoxyethyl ester	Landscape Maintenance	140.08	0	0.00	N/A
Triclopyr, butoxyethyl ester	Rangeland	1.85	5	5.00	A
Triclopyr, butoxyethyl ester	Rights Of Way	35.76	0	0.00	N/A
Triclopyr, triethylamine salt	Forest, Timberland	45.54	5	108.20	A
Triclopyr, triethylamine salt	Landscape Maintenance	265.66	0	0.00	N/A
Triclopyr, triethylamine salt	Rangeland	79.07	1	25.70	A
Triclopyr, triethylamine salt	Rights Of Way	482.21	0	0.00	N/A
Triclopyr, triethylamine salt	Structural Pest Control	0.85	0	0.00	N/A
Triethanolamine	Landscape Maintenance	0.68	0	0.00	N/A
Trifluralin	Landscape Maintenance	0.94	0	0.00	N/A
Trifluralin	Rights Of Way	2.90	0	0.00	N/A
Trinexapac-ethyl	Golf Course Turf	0.57	0	24.00	A
Zinc phosphide	Structural Pest Control	0.20	0	0.00	N/A