

2023 Annual Statewide Pesticide Use Report Indexed by Commodity: 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](#).

Commodity or Site	Chemical	Pounds Applied	Apps	Area Treated	Unit Treated
Animal Premise	Brodifacoum	< 0.01	5	85.00	A
Animal Premise	Bromadiolone	< 0.01	2	60.00	A
Apple	(e,e)-8,10-dodecadien-1-ol	0.94	3	36.70	A
Apple	Aggregated adjuvant data	28.42	3	36.70	A
Apple	Chlorantraniliprole	3.28	3	36.70	A
Buildings/Non-Ag Outdoor	Disodium octaborate tetrahydrate	< 0.01	0	3.00	U
Buildings/Non-Ag Outdoor	Prallethrin	< 0.01	0	3.00	U
Forest, Timberland	Aggregated adjuvant data	2,883.50	135	3,263.67	A
Forest, Timberland	Alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	976.09	74	1,553.70	A
Forest, Timberland	Glyphosate, dimethylamine salt	7,148.43	91	1,862.42	A
Forest, Timberland	Glyphosate, isopropylamine salt	8,867.81	90	2,084.47	A
Forest, Timberland	Hexazinone	14.25	2	19.00	A
Forest, Timberland	Imazapyr, isopropylamine salt	502.62	49	1,003.10	A
Forest, Timberland	Indaziflam	1.50	6	40.00	A
Forest, Timberland	Methylated soybean oil	5,613.62	96	1,970.62	A
Forest, Timberland	Sodium tetraborate decahydrate	137.00	2	137.00	A
Forest, Timberland	Strychnine	2.41	8	883.10	A
Forest, Timberland	Triclopyr, triethylamine salt	45.54	5	108.20	A

Commodity or Site	Chemical	Pounds Applied	Apps	Area Treated	Unit Treated
Golf Course Turf	Azoxystrobin	1.50	0	3.00	A
Golf Course Turf	Carfentrazone-ethyl	0.66	0	15.00	A
Golf Course Turf	Chlorantraniliprole	0.28	0	3.00	A
Golf Course Turf	Chlorothalonil	89.74	0	15.00	A
Golf Course Turf	Clopyralid, monoethanolamine salt	6.94	0	21.00	A
Golf Course Turf	Dithiopyr	56.47	0	42.00	A
Golf Course Turf	Imidacloprid	23.86	0	50.00	A
Golf Course Turf	Penthiopyrad	4.12	0	6.00	A
Golf Course Turf	Trinexapac-ethyl	0.57	0	24.00	A
Grape, Wine	Abamectin	0.02	1	1.00	A
Grape, Wine	Aggregated adjuvant data	0.81	3	3.50	A
Grape, Wine	Bifenthrin	0.10	1	1.00	A
Grape, Wine	Boscalid	0.05	1	1.00	A
Grape, Wine	Copper hydroxide	1.16	1	1.50	A
Grape, Wine	Fluopyram	0.41	1	6.00	A
Grape, Wine	Flutriafol	0.16	1	2.00	A
Grape, Wine	Glufosinate-ammonium	0.86	1	1.00	A
Grape, Wine	Glyphosate, isopropylamine salt	26.03	3	8.00	A
Grape, Wine	Indaziflam	0.07	1	1.00	A
Grape, Wine	Kresoxim-methyl	0.16	1	6.00	A
Grape, Wine	Methoxyfenozide	0.56	1	6.00	A
Grape, Wine	Potassium silicate	0.24	1	1.00	A
Grape, Wine	Pyraclostrobin	0.02	1	1.00	A
Grape, Wine	Rimsulfuron	0.06	1	1.00	A
Grape, Wine	Sulfur	24.00	4	14.50	A
Grape, Wine	Tebuconazole	0.41	1	6.00	A
Landscape Maintenance	2,4-d, 2-ethylhexyl ester	0.43	0	0.00	N/A

Commodity or Site	Chemical	Pounds Applied	Apps	Area Treated	Unit Treated
Landscape Maintenance	2,4-dp-p, 2-ethylhexyl ester	0.16	0	0.00	N/A
Landscape Maintenance	Acephate	0.05	0	0.00	N/A
Landscape Maintenance	Aggregated adjuvant data	318.44	0	0.00	N/A
Landscape Maintenance	Alkyl (c8,c10) polyglucoside	94.78	0	0.00	N/A
Landscape Maintenance	Alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	103.27	0	0.00	N/A
Landscape Maintenance	Alpha-undecyl-omega-hydroxypoly(oxyethylene)	146.21	0	0.00	N/A
Landscape Maintenance	Alpha-[para-(1,1,3,3-tetramethylbutyl)phenyl]-omega-hydroxy poly(oxyethylene)	2.04	0	0.00	N/A
Landscape Maintenance	Aminopyralid, triisopropanolamine salt	43.51	0	0.00	N/A
Landscape Maintenance	Ammonium sulfate	78.22	0	0.00	N/A
Landscape Maintenance	Bacillus thuringiensis subsp. israelensis strain: am 65-52	0.64	0	0.00	N/A
Landscape Maintenance	Bifenthrin	4.31	0	0.00	N/A
Landscape Maintenance	Boric acid	2.55	0	0.00	N/A
Landscape Maintenance	Carfentrazone-ethyl	0.02	0	0.00	N/A
Landscape Maintenance	Chlorophacinone	< 0.01	0	0.00	N/A
Landscape Maintenance	Chlorsulfuron	19.24	0	0.00	N/A
Landscape Maintenance	Clopyralid, monoethanolamine salt	0.98	0	0.00	N/A
Landscape Maintenance	Clothianidin	< 0.01	0	0.00	N/A
Landscape Maintenance	Coconut diethanolamide	0.40	0	0.00	N/A
Landscape Maintenance	Copper diammonium diacetate complex	6.57	0	0.00	N/A
Landscape Maintenance	Copper ethanolamine complexes, mixed	7.82	0	0.00	N/A
Landscape Maintenance	Deltamethrin	0.02	0	0.00	N/A
Landscape Maintenance	Dicamba	0.03	0	0.00	N/A
Landscape Maintenance	Diethylene glycol	0.85	0	0.00	N/A
Landscape Maintenance	Dimethyl silicone fluid emulsion	1.84	0	0.00	N/A
Landscape Maintenance	Dimethylpolysiloxane	0.08	0	0.00	N/A
Landscape Maintenance	Diphacinone	< 0.01	0	0.00	N/A

Commodity or Site	Chemical	Pounds Applied	Apps	Area Treated	Unit Treated
Landscape Maintenance	Diquat dibromide	3.86	0	0.00	N/A
Landscape Maintenance	Dithiopyr	221.32	0	0.00	N/A
Landscape Maintenance	Diuron	164.06	0	0.00	N/A
Landscape Maintenance	Dodecylbenzene sulfonic acid	1.74	0	0.00	N/A
Landscape Maintenance	Edta, tetrasodium salt	0.11	0	0.00	N/A
Landscape Maintenance	Emamectin benzoate	0.06	0	0.00	N/A
Landscape Maintenance	Ethephon	< 0.01	0	0.00	N/A
Landscape Maintenance	Fipronil	0.02	0	0.00	N/A
Landscape Maintenance	Flumioxazin	18.03	0	0.00	N/A
Landscape Maintenance	Fluridone	3.92	0	0.00	N/A
Landscape Maintenance	Fluroxypyr, 1-methylheptyl ester	44.05	0	0.00	N/A
Landscape Maintenance	Glufosinate-ammonium	411.45	0	0.00	N/A
Landscape Maintenance	Glycerol	16.38	0	0.00	N/A
Landscape Maintenance	Glyphosate, isopropylamine salt	1,045.13	0	0.00	N/A
Landscape Maintenance	Glyphosate, monoammonium salt	6.23	0	0.00	N/A
Landscape Maintenance	Glyphosate, potassium salt	119.64	0	0.00	N/A
Landscape Maintenance	Halosulfuron-methyl	< 0.01	0	0.00	N/A
Landscape Maintenance	Hydroprene	0.04	0	0.00	N/A
Landscape Maintenance	Imazapyr, isopropylamine salt	2.53	0	0.00	N/A
Landscape Maintenance	Imidacloprid	1.16	0	0.00	N/A
Landscape Maintenance	Indaziflam	10.88	0	0.00	N/A
Landscape Maintenance	Iron phosphate	0.07	0	0.00	N/A
Landscape Maintenance	Isopropyl alcohol	2.02	0	0.00	N/A
Landscape Maintenance	Isoxaben	10.70	0	0.00	N/A
Landscape Maintenance	Mecoprop-p	0.04	0	0.00	N/A
Landscape Maintenance	Methylated soybean oil	645.49	0	0.00	N/A
Landscape Maintenance	Mineral oil	1.68	0	0.00	N/A

Commodity or Site	Chemical	Pounds Applied	Apps	Area Treated	Unit Treated
Landscape Maintenance	Novaluron	< 0.01	0	0.00	N/A
Landscape Maintenance	Oryzalin	4.85	0	0.00	N/A
Landscape Maintenance	Oxyfluorfen	23.32	0	0.00	N/A
Landscape Maintenance	Pendimethalin	75.25	0	0.00	N/A
Landscape Maintenance	Penoxsulam	0.49	0	0.00	N/A
Landscape Maintenance	Permethrin	12.83	0	0.00	N/A
Landscape Maintenance	Phosphoric acid	0.34	0	0.00	N/A
Landscape Maintenance	Prodiamine	0.46	0	0.00	N/A
Landscape Maintenance	Pyraflufen-ethyl	< 0.01	0	0.00	N/A
Landscape Maintenance	Pyriproxyfen	< 0.01	0	0.00	N/A
Landscape Maintenance	Rimsulfuron	66.16	0	0.00	N/A
Landscape Maintenance	Silicone defoamer	0.05	0	0.00	N/A
Landscape Maintenance	Sodium xylene sulfonate	4.26	0	0.00	N/A
Landscape Maintenance	Strychnine	0.06	0	0.00	N/A
Landscape Maintenance	Sulfentrazone	3.76	0	0.00	N/A
Landscape Maintenance	Sulfometuron-methyl	13.61	0	0.00	N/A
Landscape Maintenance	Tall oil fatty acids	0.95	0	0.00	N/A
Landscape Maintenance	Tetrapotassium pyrophosphate	0.27	0	0.00	N/A
Landscape Maintenance	Triclopyr, butoxyethyl ester	140.08	0	0.00	N/A
Landscape Maintenance	Triclopyr, triethylamine salt	265.66	0	0.00	N/A
Landscape Maintenance	Triethanolamine	0.68	0	0.00	N/A
Landscape Maintenance	Trifluralin	0.94	0	0.00	N/A
Olive	Aggregated adjuvant data	0.89	1	0.95	A
Olive	Glyphosate, isopropylamine salt	2.51	1	0.95	A
Olive	Glyphosate, potassium salt	0.95	1	0.95	A
Olive	Oryzalin	1.46	1	0.95	A
Pastureland	Aminopyralid, triisopropanolamine salt	0.23	0	5.00	A

Commodity or Site	Chemical	Pounds Applied	Apps	Area Treated	Unit Treated
Rangeland	Aggregated adjuvant data	1.71	2	1.02	A
Rangeland	Aminopyralid, triisopropanolamine salt	1.80	9	49.70	A
Rangeland	Chlorsulfuron	0.07	1	0.70	A
Rangeland	Glyphosate, isopropylamine salt	1.15	5	5.16	A
Rangeland	Imazapyr, isopropylamine salt	0.34	2	0.35	A
Rangeland	Rimsulfuron	0.02	1	0.32	A
Rangeland	Triclopyr, butoxyethyl ester	1.85	5	5.00	A
Rangeland	Triclopyr, triethylamine salt	79.07	1	25.70	A
Regulatory Pest Control	Aggregated adjuvant data	4.05	0	0.00	N/A
Regulatory Pest Control	Aminopyralid, triisopropanolamine salt	0.05	0	0.00	N/A
Regulatory Pest Control	Disodium octaborate tetrahydrate	0.49	0	0.00	N/A
Regulatory Pest Control	Glyphosate, isopropylamine salt	19.41	0	0.00	N/A
Regulatory Pest Control	Imazapyr, isopropylamine salt	2.71	0	0.00	N/A
Regulatory Pest Control	Imidacloprid	0.67	0	0.00	N/A
Regulatory Pest Control	Rimsulfuron	0.18	0	0.00	N/A
Rights Of Way	2,4-d, 2-ethylhexyl ester	0.72	0	0.00	N/A
Rights Of Way	2,4-d, dimethylamine salt	0.10	0	0.00	N/A
Rights Of Way	Aggregated adjuvant data	553.87	0	0.00	N/A
Rights Of Way	Alkyl (c8,c10) polyglucoside	12.42	0	0.00	N/A
Rights Of Way	Alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	282.31	0	0.00	N/A
Rights Of Way	Alpha-alkyl (c9-c11)-omega-hydroxypoly(oxyethylene)	4.91	0	0.00	N/A
Rights Of Way	Alpha-undecyl-omega-hydroxypoly(oxyethylene)	10.51	0	0.00	N/A
Rights Of Way	Aminocyclopyrachlor, potassium salt	79.42	0	0.00	N/A
Rights Of Way	Aminopyralid, triisopropanolamine salt	41.40	0	0.00	N/A
Rights Of Way	Carfentrazone-ethyl	0.02	0	0.00	N/A
Rights Of Way	Chlorsulfuron	8.97	0	0.00	N/A
Rights Of Way	Clopyralid, monoethanolamine salt	32.71	0	0.00	N/A

Commodity or Site	Chemical	Pounds Applied	Apps	Area Treated	Unit Treated
Rights Of Way	Copper carbonate, basic	82.13	0	0.00	N/A
Rights Of Way	Copper ethanolamine complexes, mixed	9.43	0	0.00	N/A
Rights Of Way	Copper hydroxide	13.54	0	0.00	N/A
Rights Of Way	Dicamba	0.04	0	0.00	N/A
Rights Of Way	Dicamba, dimethylamine salt	0.01	0	0.00	N/A
Rights Of Way	Dimethylpolysiloxane	0.65	0	0.00	N/A
Rights Of Way	Diquat dibromide	1.17	0	0.00	N/A
Rights Of Way	Disodium octaborate anhydrous	30.02	0	0.00	N/A
Rights Of Way	Disodium octaborate tetrahydrate	8.07	0	0.00	N/A
Rights Of Way	Dithiopyr	326.47	0	0.00	N/A
Rights Of Way	Flumioxazin	26.44	0	0.00	N/A
Rights Of Way	Fluroxypyr, 1-methylheptyl ester	8.64	0	0.00	N/A
Rights Of Way	Glufosinate-ammonium	117.09	0	0.00	N/A
Rights Of Way	Glyphosate, dimethylamine salt	1,054.55	0	0.00	N/A
Rights Of Way	Glyphosate, isopropylamine salt	4.95	3	150.00	A
Rights Of Way	Glyphosate, isopropylamine salt	1,447.21	0	0.00	N/A
Rights Of Way	Glyphosate, potassium salt	952.10	0	0.00	N/A
Rights Of Way	Halosulfuron-methyl	< 0.01	0	0.00	N/A
Rights Of Way	Imazapyr, isopropylamine salt	43.52	0	0.00	N/A
Rights Of Way	Indaziflam	35.54	0	0.00	N/A
Rights Of Way	Isoxaben	10.32	0	0.00	N/A
Rights Of Way	Lecithin	12.50	0	0.00	N/A
Rights Of Way	Mecoprop-p	0.15	0	0.00	N/A
Rights Of Way	Metam-sodium	271.66	0	0.00	N/A
Rights Of Way	Methylated soybean oil	833.00	0	0.00	N/A
Rights Of Way	Mineral oil	7.03	0	0.00	N/A
Rights Of Way	Oleic acid, ethyl ester	39.02	0	0.00	N/A

Commodity or Site	Chemical	Pounds Applied	Apps	Area Treated	Unit Treated
Rights Of Way	Oxyfluorfen	284.88	0	0.00	N/A
Rights Of Way	Pendimethalin	361.74	0	0.00	N/A
Rights Of Way	Penoxsulam	7.10	0	0.00	N/A
Rights Of Way	Quinclorac	0.07	0	0.00	N/A
Rights Of Way	Sodium tetraborate decahydrate	2,264.69	0	0.00	N/A
Rights Of Way	Sulfentrazone	6.19	0	0.00	N/A
Rights Of Way	Sulfometuron-methyl	21.36	0	0.00	N/A
Rights Of Way	Tall oil fatty acids	52.75	0	0.00	N/A
Rights Of Way	Triclopyr choline	3.74	0	0.00	N/A
Rights Of Way	Triclopyr, butoxyethyl ester	35.76	0	0.00	N/A
Rights Of Way	Triclopyr, triethylamine salt	482.21	0	0.00	N/A
Rights Of Way	Trifluralin	2.90	0	0.00	N/A
Structural Pest Control	Abamectin	< 0.01	0	0.00	N/A
Structural Pest Control	Acephate	0.77	0	0.00	N/A
Structural Pest Control	Acetamiprid	0.06	0	0.00	N/A
Structural Pest Control	Aggregated adjuvant data	8.39	0	0.00	N/A
Structural Pest Control	Alpha-cypermethrin	33.43	0	0.00	N/A
Structural Pest Control	Aminopyralid, triisopropanolamine salt	0.12	0	0.00	N/A
Structural Pest Control	Beauveria bassiana strain: gha	0.03	0	0.00	N/A
Structural Pest Control	Beta-cyfluthrin	0.10	0	0.00	N/A
Structural Pest Control	Bifenthrin	357.52	0	0.00	N/A
Structural Pest Control	Boric acid	4.25	0	0.00	N/A
Structural Pest Control	Bromadiolone	< 0.01	0	0.00	N/A
Structural Pest Control	Bromethalin	0.16	0	0.00	N/A
Structural Pest Control	Chlorfenapyr	1.06	0	0.00	N/A
Structural Pest Control	Cholecalciferol	0.26	0	0.00	N/A
Structural Pest Control	Clopyralid, monoethanolamine salt	1.35	0	0.00	N/A

Commodity or Site	Chemical	Pounds Applied	Apps	Area Treated	Unit Treated
Structural Pest Control	Clothianidin	0.93	0	0.00	N/A
Structural Pest Control	Cyantraniliprole	0.03	0	0.00	N/A
Structural Pest Control	Cyfluthrin	14.83	0	0.00	N/A
Structural Pest Control	Cypermethrin	0.40	0	0.00	N/A
Structural Pest Control	Deltamethrin	83.51	0	0.00	N/A
Structural Pest Control	Diatomaceous earth	4.87	0	0.00	N/A
Structural Pest Control	Dinotefuran	36.62	0	0.00	N/A
Structural Pest Control	Diphacinone	0.04	0	0.00	N/A
Structural Pest Control	Diphacinone, sodium salt	< 0.01	0	0.00	N/A
Structural Pest Control	Disodium octaborate tetrahydrate	40.79	0	0.00	N/A
Structural Pest Control	Emamectin benzoate	5.39	0	0.00	N/A
Structural Pest Control	Esfenvalerate	4.40	0	0.00	N/A
Structural Pest Control	Etofenprox	0.08	0	0.00	N/A
Structural Pest Control	Fipronil	39.50	0	0.00	N/A
Structural Pest Control	Glyphosate, isopropylamine salt	0.90	0	0.00	N/A
Structural Pest Control	Hydramethylnon	< 0.01	0	0.00	N/A
Structural Pest Control	Hydroprene	3.46	0	0.00	N/A
Structural Pest Control	Imidacloprid	75.17	0	0.00	N/A
Structural Pest Control	Indoxacarb	0.02	0	0.00	N/A
Structural Pest Control	Iron phosphate	0.03	0	0.00	N/A
Structural Pest Control	Isoxaben	0.45	0	0.00	N/A
Structural Pest Control	Lambda-cyhalothrin	4.45	0	0.00	N/A
Structural Pest Control	Metofluthrin	0.02	0	0.00	N/A
Structural Pest Control	Mineral oil	44.75	0	0.00	N/A
Structural Pest Control	Muscalure	< 0.01	0	0.00	N/A
Structural Pest Control	N-octyl bicycloheptene dicarboximide	0.35	0	0.00	N/A
Structural Pest Control	Novaluron	0.23	0	0.00	N/A

Commodity or Site	Chemical	Pounds Applied	Apps	Area Treated	Unit Treated
Structural Pest Control	Noviflumuron	< 0.01	0	0.00	N/A
Structural Pest Control	Permethrin	233.52	0	0.00	N/A
Structural Pest Control	Phenothrin	0.02	0	0.00	N/A
Structural Pest Control	Piperonyl butoxide	10.79	0	0.00	N/A
Structural Pest Control	Piperonyl butoxide, other related	0.07	0	0.00	N/A
Structural Pest Control	Prallethrin	1.23	0	0.00	N/A
Structural Pest Control	Pyrethrins	0.17	0	0.00	N/A
Structural Pest Control	Pyriproxyfen	0.68	0	0.00	N/A
Structural Pest Control	S-methoprene	0.05	0	0.00	N/A
Structural Pest Control	Silica gel	0.28	0	0.00	N/A
Structural Pest Control	Sodium tetraborate decahydrate	0.49	0	0.00	N/A
Structural Pest Control	Sulfuryl fluoride	191.62	0	0.00	N/A
Structural Pest Control	Tetramethrin	0.02	0	0.00	N/A
Structural Pest Control	Thiamethoxam	< 0.01	0	0.00	N/A
Structural Pest Control	Triclopyr, triethylamine salt	0.85	0	0.00	N/A
Structural Pest Control	Zinc phosphide	0.20	0	0.00	N/A
Uncultivated Non-Ag	Aggregated adjuvant data	3.62	0	4.75	A
Uncultivated Non-Ag	Chlorsulfuron	0.19	0	2.75	A
Uncultivated Non-Ag	Clopyralid, monoethanolamine salt	0.66	0	2.00	A
Uncultivated Non-Ag	Glyphosate, isopropylamine salt	3.78	0	4.00	A
Uncultivated Non-Ag	Indaziflam	0.08	0	0.75	A
Uncultivated Non-Ag	Triclopyr choline	5.58	0	4.00	A
Water Area	Copper ethanolamine complexes, mixed	876.08	0	325.25	A
Water Area	Copper ethylenediamine complex	50.30	0	12.00	A
Water Area	Copper sulfate (pentahydrate)	141.50	0	16.99	A
Water Area	Copper triethanolamine complex	56.78	0	12.00	A
Water Area	Endothall, mono(n,n-dimethylalkylamine) salt	0.17	0	1.00	A

Commodity or Site	Chemical	Pounds Applied	Apps	Area Treated	Unit Treated
Water Area	Flumioxazin	0.28	0	2.50	A
Water Area	Mesotrione	1.99	0	0.25	A