

2018 Annual Statewide Pesticide Use Report Indexed by Chemical MENDOCINO County

Text files of data are available at <<https://files.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, Apps = Number of agricultural applications, Area treated = cumulative area treated (For example, if a one-acre field was treated three times in a year, the cumulative acres treated would equal three acres), N/A = Not Available: many nonagricultural pesticide use reports are not legally required to report area treated or number of applications. N-outdoor = Outdoor nursery. N-grnhs = Greenhouse nursery. See Pesticide Use Annual Report Data Access, References, and Definitions Guide for more information.

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
abamectin	Grape, wine	82.72	109	2,691.14	A
abamectin	N-grnhs plants in containers	<0.01	1	17,000.0	S
abamectin	Pear	27.03	29	1,066.0	A
abamectin	Strawberry	0.15	2	12.0	A
abamectin	Structural pest control	0.04	N/A	N/A	N/A
acephate	Structural pest control	0.36	N/A	N/A	N/A
acetamiprid	N-grnhs plants in containers	0.13	2	17,500.0	S
acetamiprid	Structural pest control	0.11	N/A	N/A	N/A
alpha-alkylaryl-omega-hydroxypoly(oxyethylene)	Grape, wine	16.33	2	152.0	A
alkyl (50% c 14, 40% c 12, 10% c 16) dimethylbenzyl ammonium chloride	Animal premise	0.04	N/A	9,000.0	S

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
alkyl (50%c14, 40%c12, 10%c16) dimethylbenzyl ammonium chloride	Structural pest control	0.29	N/A	N/A	N/A
alpha-alkyl (c9-c11)-omega-hydroxypoly(oxyethylene)	Forest, timberland	74.78	27	1,173.0	A
alpha-alkyl (c9-c11)-omega-hydroxypoly(oxyethylene)	Grape, wine	1,334.72	503	8,906.5	A
alpha-alkyl (c9-c11)-omega-hydroxypoly(oxyethylene)	Olive	0.15	1	2.0	A
alpha-alkyl (c9-c11)-omega-hydroxypoly(oxyethylene)	Pear	36.97	10	251.0	A
alpha-alkyl (c9-c16)-omega-hydroxypoly(oxyethylene)	Forest, timberland	32.1	7	196.0	A
alpha-alkyl (c9-c16)-omega-hydroxypoly(oxyethylene)	Grape, wine	12.14	2	75.59	A
alpha-pinene beta-pinene copolymer	Grape, wine	35.75	16	182.62	A
alpha-pinene beta-pinene copolymer	Landscape maintenance	0.34	N/A	N/A	N/A
alkyl (c8,c10) polyglucoside	Grape, wine	320.18	63	932.63	A
alkyl (c8,c10) polyglucoside	Landscape maintenance	6.18	N/A	N/A	N/A
alkyl (c8,c10) polyglucoside	Pear	58.29	7	256.05	A
alkyl (c8,c10) polyglucoside	Rights of way	1.32	1	5.0	A
alkyl (c8,c10) polyglucoside	Rights of way	11.48	N/A	N/A	N/A
d-trans allethrin	Structural pest control	0.07	N/A	N/A	N/A
allyloxypolyethylene glycol acetate	Forest, timberland	9.44	3	1,037.0	A
allyloxypolyethylene glycol acetate	Grape, wine	54.5	107	1,188.49	A
allyloxypolyethylene glycol acetate	Rights of way	0.01	1	6.0	A
allyloxypolyethylene glycol acetate	Rights of way	11.83	N/A	N/A	N/A
aluminum sulfate	Grape, wine	1,083.68	44	541.84	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
aminocyclopyrachlor, potassium salt	Rights of way	1.61	N/A	N/A	N/A
aminopyralid, triisopropanolamine salt	Landscape maintenance	0.38	N/A	N/A	N/A
aminopyralid, triisopropanolamine salt	Rights of way	15.63	N/A	N/A	N/A
ammonium nitrate	Forest, timberland	9.65	27	1,173.0	A
ammonium nitrate	Grape, wine	175.47	212	2,115.77	A
ammonium nitrate	Landscape maintenance	2.17	N/A	N/A	N/A
ammonium nitrate	Olive	0.02	1	2.0	A
ammonium nitrate	Pear	27.76	7	256.05	A
ammonium nitrate	Rights of way	0.63	1	5.0	A
ammonium nitrate	Rights of way	5.47	N/A	N/A	N/A
ammonium propionate	Grape, wine	53.47	48	273.03	A
ammonium propionate	Pear	4.26	2	24.0	A
ammonium sulfate	Forest, timberland	238.82	27	1,173.0	A
ammonium sulfate	Grape, wine	922.42	269	2,494.44	A
ammonium sulfate	Grape, wine	0.52	2	11,340.0	S
ammonium sulfate	Landscape maintenance	4.34	N/A	N/A	N/A
ammonium sulfate	Olive	0.48	1	2.0	A
ammonium sulfate	Pear	56.58	9	280.05	A
ammonium sulfate	Rights of way	1.26	1	5.0	A
ammonium sulfate	Rights of way	10.93	N/A	N/A	N/A
atrazine	Forest, timberland	205.13	2	145.0	A
atrazine, other related	Forest, timberland	3.89	2	145.0	A
azadirachtin	Grape, wine	1.44	4	46.0	A
azadirachtin	Industrial hemp	0.1	7	22,700.0	S

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
azadirachtin	Landscape maintenance	0.1	N/A	N/A	N/A
azoxystrobin	Golf course turf	0.62	N/A	1.0	A
azoxystrobin	Golf course turf	3.06	N/A	384,000.0	S
azoxystrobin	Grape, wine	353.18	96	1,692.49	A
bacillus amyloliquefaciens strain d747	Grape, wine	24.75	1	24.75	A
bacillus pumilus, strain qst 2808	Grape, wine	90.15	38	789.66	A
bacillus amyloliquefaciens strain mbi 600	Grape, wine	1.38	1	25.0	A
bacillus thuringiensis (berliner), subsp. israelensis, serotype h-14	N-outdr plants in containers	0.02	1	20.0	S
bacillus thuringiensis, subsp. kurstaki, strain abts-351, fermentation solids and solubles	Industrial hemp	0.34	1	10,000.0	S
bacillus thuringiensis (berliner), subsp. kurstaki strain sa-12	Industrial hemp	0.65	1	2,500.0	S
beauveria bassiana strain gha	Industrial hemp	1.63	12	24,700.0	S
beauveria bassiana strain gha	Industrial hemp	1.19	5	468.0	U
benzoic acid	Forest, timberland	<0.01	1	3.0	A
benzoic acid	Grape, wine	3.96	105	764.0	A
benzoic acid	Rights of way	0.37	N/A	N/A	N/A
bifenazate	Grape, wine	263.91	33	713.29	A
bifenazate	Pear	61.0	2	159.5	A
bifenthrin	Structural pest control	20.69	N/A	N/A	N/A
n,n-bis-(2-omega-hydroxypoly(oxyethylene)ethyl)alkylamine, alkyl derived from tallow fatty acids	Grape, wine	<0.01	2	1.78	A
n,n-bis-(2-omega-hydroxypoly(oxyethylene)ethyl)alkylamine, alkyl derived from tallow fatty acids	Landscape maintenance	0.01	N/A	N/A	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
borax	Industrial hemp	<0.01	2	100.0	S
borax	Rights of way	164.3	N/A	N/A	N/A
borax	Structural pest control	2.09	N/A	N/A	N/A
boric acid	Structural pest control	34.24	N/A	N/A	N/A
boscalid	Grape, wine	1,801.63	253	5,247.83	A
boscalid	Peach	0.22	2	2.0	A
brodifacoum	Structural pest control	0.01	N/A	N/A	N/A
bromacil	Rights of way	5.0	N/A	N/A	N/A
bromadiolone	Structural pest control	0.04	N/A	N/A	N/A
bromadiolone	Vertebrate control	<0.01	N/A	N/A	N/A
bromethalin	Structural pest control	<0.01	N/A	N/A	N/A
1-bromo-3-chloro-5,5-dimethyl hydantoin	Water (industrial)	27.1	N/A	1.0	A
1-bromo-3-chloro-5,5-dimethyl hydantoin	Water (industrial)	54.2	N/A	2.0	U
buprofezin	Grape, wine	2.19	1	5.0	A
burkholderia sp strain a396 cells and fermentation media	Grape, wine	235.86	3	43.0	A
burkholderia sp strain a396 cells and fermentation media	Industrial hemp	0.66	3	12,000.0	S
butyl alcohol	Grape, wine	60.36	30	1,382.01	A
butyl lactate	Grape, wine	0.45	2	8.12	A
calcium chloride	Rights of way	0.1	N/A	N/A	N/A
capric acid	Grape, wine	157.98	8	81.9	A
capric acid	Grape, wine	1.01	2	4,860.0	S

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
caprylic acid	Grape, wine	232.03	8	81.9	A
caprylic acid	Grape, wine	1.48	2	4,860.0	S
captan	Grape, wine	97.8	2	4.0	A
captan, other related	Grape, wine	2.2	2	4.0	A
carbaryl	Golf course turf	21.04	N/A	2.0	A
carbo methoxy ether cellulose, sodium salt	Grape, wine	2.64	26	877.96	A
carfentrazone-ethyl	Golf course turf	0.09	N/A	30,000.0	S
carfentrazone-ethyl	Grape, wine	2.09	5	126.68	A
carfentrazone-ethyl	Landscape maintenance	0.11	N/A	N/A	N/A
chlorantraniliprole	Golf course turf	0.3	N/A	150,000.0	S
chlorantraniliprole	Pear	63.97	22	701.5	A
chlorantraniliprole	Structural pest control	1.9	N/A	N/A	N/A
chlorfenapyr	Structural pest control	26.51	N/A	N/A	N/A
chlormequat chloride	N-grnhs plants in containers	0.13	23	4,850.0	S
5-chloro-2-methyl-4-isothiazolin-3-one	Lumber, treated	5,148.49	N/A	8,262.96	K
chlorothalonil	Golf course turf	0.74	N/A	5,000.0	S
chlorsulfuron	Rights of way	0.76	N/A	N/A	N/A
cholecalciferol	Structural pest control	0.4	N/A	N/A	N/A
chromobacterium subtsugae strain praa4-1	Industrial hemp	1.78	6	27,200.0	S
citric acid	Grape, wine	27.32	53	319.17	A
citric acid	Grape, wine	0.01	2	11,340.0	S
citric acid	Pear	2.13	2	24.0	A
citric acid	Rights of way	0.29	N/A	N/A	N/A
clarified hydrophobic extract of neem oil	Industrial hemp	4.8	7	20,140.0	S
clarified hydrophobic extract of neem oil	N-outdr plants in containers	0.66	9	1,275.0	S

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
clarified hydrophobic extract of neem oil	N-outdr plants in containers	0.04	1	300.0	U
clethodim	Alfalfa	7.26	1	60.0	A
clopyralid, monoethanolamine salt	Forest, timberland	62.76	4	150.0	A
clopyralid, monoethanolamine salt	Golf course turf	0.32	N/A	105,000.0	S
clopyralid, monoethanolamine salt	Rangeland	1.64	5	1.2	A
clopyralid, monoethanolamine salt	Rights of way	1.61	N/A	N/A	N/A
clothianidin	Golf course turf	0.08	N/A	75,000.0	S
coconut oil soap	Grape, wine	3.34	1	11.0	A
codling moth granulosis virus	Pear	<0.01	6	61.0	A
copper	Lumber, treated	2,013.51	N/A	1,199,469.0	U
copper ammonium carbonate	Lumber, treated	14,032.63	N/A	1,199,469.0	U
copper ethanolamine complexes, mixed	Grape, wine	8.44	1	55.0	A
copper ethanolamine complexes, mixed	Lumber, treated	1,392,916.27	N/A	8,262.95	K
copper ethylenediamine complex	Rights of way	402.44	N/A	N/A	N/A
copper hydroxide	Apple	1.07	2	2.0	A
copper hydroxide	Grape, wine	2,718.77	342	7,139.08	A
copper hydroxide	Olive	0.96	2	3.0	A
copper hydroxide	Peach	2.15	2	4.0	A
copper hydroxide	Pear	285.96	12	326.0	A
copper hydroxide	Rights of way	11.71	N/A	N/A	N/A
copper hydroxide	Walnut	1.07	2	2.0	A
copper naphthenate	Structural pest control	2.87	N/A	N/A	N/A
copper oxide (ous)	Apple	27.04	2	8.0	A
copper oxide (ous)	Grape, wine	809.01	51	916.0	A
copper oxide (ous)	Peach	20.98	2	4.0	A
copper oxychloride	Apple	1.19	2	2.0	A
copper oxychloride	Grape, wine	3,141.13	295	6,260.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
copper oxychloride	Olive	1.06	2	3.0	A
copper oxychloride	Peach	2.38	2	4.0	A
copper oxychloride	Pear	594.99	17	468.0	A
copper oxychloride	Walnut	1.19	2	2.0	A
copper sulfate (basic)	Grape, wine	307.29	24	725.23	A
copper sulfate (basic)	Pear	52.61	7	170.0	A
copper sulfate (pentahydrate)	Grape, wine	49.5	1	55.0	A
copper sulfate (pentahydrate)	Water area	396.0	N/A	10.0	A
copper triethanolamine complex	Rights of way	454.27	N/A	N/A	N/A
cyflufenamid	Grape, wine	88.37	191	3,747.88	A
cyflumetofen	Grape, wine	279.47	62	1,510.77	A
cyflumetofen	Pear	90.2	14	494.5	A
cyfluthrin	Structural pest control	4.49	N/A	N/A	N/A
beta-cyfluthrin	Structural pest control	1.47	N/A	N/A	N/A
cypermethrin	Structural pest control	777.36	N/A	N/A	N/A
(s)-cypermethrin	Structural pest control	0.13	N/A	N/A	N/A
cyprodinil	Grape, wine	827.87	228	4,137.38	A
cyprodinil	Pear	100.77	48	1,775.5	A
2,4-d, dimethylamine salt	Grape, wine	0.57	1	17.0	A
2,4-d, dimethylamine salt	Landscape maintenance	0.42	N/A	N/A	N/A
2,4-d, dimethylamine salt	Pastureland	27.8	2	46.0	A
2,4-d, dimethylamine salt	Pear	16.72	1	12.0	A
2,4-d, 2-ethylhexyl ester	Landscape maintenance	2.66	N/A	N/A	N/A
daminozide	N-grnhs plants in containers	1.98	47	18,200.0	S

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
2,4-decadienoic acid, ethyl ester, (2e,4z)-	Pear	0.13	1	38.0	A
decyl phenoxy benzene disulfonic acid, disodium salt	Grape, wine	0.03	2	11,340.0	S
deltamethrin	Structural pest control	37.91	N/A	N/A	N/A
diatomaceous earth	Structural pest control	12.32	N/A	N/A	N/A
dicamba	Grape, wine	0.06	1	17.0	A
dicamba	Landscape maintenance	0.17	N/A	N/A	N/A
dicamba, dimethylamine salt	Landscape maintenance	0.05	N/A	N/A	N/A
1,3-dichloro-5,5-dimethylhydantoin	Water (industrial)	14.45	N/A	1.0	A
1,3-dichloro-5,5-dimethylhydantoin	Water (industrial)	28.9	N/A	2.0	U
1,3-dichloro-5-ethyl-5-methylhydantoin	Water (industrial)	7.95	N/A	1.0	A
1,3-dichloro-5-ethyl-5-methylhydantoin	Water (industrial)	15.9	N/A	2.0	U
didecyl dimethyl ammonium bicarbonate	Lumber, treated	2,807.76	N/A	1,199,469.0	U
didecyl dimethyl ammonium carbonate	Lumber, treated	2,807.76	N/A	1,199,469.0	U
didecyl dimethyl ammonium chloride	Animal premise	0.02	N/A	9,000.0	S
diethylene glycol	Forest, timberland	58.36	55	1,908.0	A
diethylene glycol	Grape, wine	5.97	8	129.0	A
diethylene glycol	Landscape maintenance	0.34	N/A	N/A	N/A
diethylene glycol	Rights of way	1.45	N/A	N/A	N/A
difenoconazole	Grape, wine	322.34	249	4,380.35	A
difenoconazole	Pear	17.77	40	1,587.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
difethialone	Structural pest control	<0.01	N/A	N/A	N/A
diflubenzuron	Pear	22.64	6	179.0	A
diiodomethyl p-tolyl sulfone	Lumber, treated	588.72	N/A	6,463.1	K
dikegulac sodium	Landscape maintenance	0.91	N/A	N/A	N/A
dimethyl alkyl tertiary amines	Forest, timberland	<0.01	1	3.0	A
dimethyl alkyl tertiary amines	Grape, wine	4.32	105	764.0	A
dimethyl alkyl tertiary amines	Rights of way	0.4	N/A	N/A	N/A
3,7-dimethyl-6-octen-1-ol	Grape, wine	11.76	22	687.86	A
dimethylpolysiloxane	Forest, timberland	1.3	55	1,908.0	A
dimethylpolysiloxane	Grape, wine	112.75	344	4,721.55	A
dimethylpolysiloxane	Landscape maintenance	0.01	N/A	N/A	N/A
dimethylpolysiloxane	Pear	0.53	8	291.05	A
dimethylpolysiloxane	Regulatory pest control	15.92	N/A	N/A	N/A
dimethylpolysiloxane	Rights of way	<0.01	1	5.0	A
dimethylpolysiloxane	Rights of way	0.04	N/A	N/A	N/A
dimethyl silicone fluid emulsion	Grape, wine	0.16	2	24.5	A
dinotefuran	N-grnhs plants in containers	0.37	3	51,000.0	S
dinotefuran	Structural pest control	1.88	N/A	N/A	N/A
diphacinone	Structural pest control	<0.01	N/A	N/A	N/A
diquat dibromide	Landscape maintenance	1.4	N/A	N/A	N/A
diquat dibromide	Water area	15.85	3	2.5	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
disodium octaborate tetrahydrate	Grape, wine	48.98	4	39.19	A
disodium octaborate tetrahydrate	Structural pest control	2,125.07	N/A	N/A	N/A
dithiopyr	Landscape maintenance	9.6	N/A	N/A	N/A
diuron	Rights of way	5.0	N/A	N/A	N/A
e,e-8,10-dodecadien-1-ol	Pear	47.84	12	509.0	A
z-8-dodecenol	Pear	0.41	13	542.0	A
e-8-dodecenyl acetate	Pear	2.37	13	542.0	A
z-8-dodecenyl acetate	Pear	36.15	13	542.0	A
alpha-(para-dodecylphenyl)-omega-hydroxypoly(oxyethylene)	Grape, wine	2.35	19	211.34	A
dodine	Pear	775.53	14	612.0	A
edta	Grape, wine	0.02	1	11.0	A
esfenvalerate	Pear	54.26	20	887.5	A
esfenvalerate	Structural pest control	2.05	N/A	N/A	N/A
etofenprox	Structural pest control	0.02	N/A	N/A	N/A
etoxazole	Grape, wine	30.33	14	225.02	A
etoxazole	Pear	12.28	3	91.0	A
farnesol	Grape, wine	4.71	22	687.86	A
fatty acids, methyl esters	Grape, wine	129.83	17	126.37	A
fatty acids, mixed	Forest, timberland	103.94	55	1,908.0	A
fatty acids, mixed	Grape, wine	38.55	68	1,104.28	A
fatty acids, mixed	Landscape maintenance	0.6	N/A	N/A	N/A
fatty acids, mixed	Pear	1.71	8	114.75	A
fatty acids, mixed	Rangeland	0.02	4	1.0	A
fatty acids, mixed	Rights of way	2.58	N/A	N/A	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
fenhexamid	Grape, wine	809.77	92	1,628.14	A
fenpyroximate	Grape, wine	5.27	5	49.0	A
fipronil	Structural pest control	32.06	N/A	N/A	N/A
flazasulfuron	Grape, wine	17.1	72	448.82	A
flonicamid	Pear	5.18	1	69.0	A
fludioxonil	Grape, wine	32.38	26	148.03	A
fludioxonil	N-grnhs plants in containers	0.06	1	17,000.0	S
flumioxazin	Grape, wine	395.44	179	1,774.72	A
flumioxazin	Grape, wine	0.02	1	1,620.0	S
flumioxazin	Olive	1.15	1	3.0	A
flumioxazin	Pear	13.8	4	116.5	A
flumioxazin	Rights of way	0.19	1	0.5	A
fluopyram	Grape, wine	327.52	158	3,054.8	A
fluopyram	Pear	3.38	2	36.0	A
flutriafol	Grape, wine	142.36	52	1,730.7	A
fluxapyroxad	Grape, wine	21.63	5	263.37	A
foramsulfuron	Rights of way	0.02	N/A	N/A	N/A
forchlorfenuron	Grape, wine	0.03	2	8.12	A
gamma-cyhalothrin	Structural pest control	<0.01	N/A	N/A	N/A
garlic	Grape, wine	0.89	4	21.0	A
geraniol	Grape, wine	11.76	22	687.86	A
glufosinate-ammonium	Grape, wine	2,341.32	172	3,167.66	A
glufosinate-ammonium	Grape, wine	0.09	2	3,240.0	S
glufosinate-ammonium	Pear	1.35	1	15.0	A
glufosinate-ammonium	Rights of way	6.18	N/A	N/A	N/A
glutaraldehyde	Animal premise	0.03	N/A	9,000.0	S

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
glutaraldehyde	Water (industrial)	19.81	N/A	1.0	A
glutaraldehyde	Water (industrial)	19.81	N/A	1.0	U
glycerol	Grape, wine	3.18	5	46.14	A
glyphosate, dimethylamine salt	Forest, timberland	416.04	2	903.0	A
glyphosate, dimethylamine salt	Rights of way	11.2	5	11.6	A
glyphosate, dimethylamine salt	Rights of way	604.63	N/A	N/A	N/A
glyphosate, isopropylamine salt	Forest, timberland	5,689.87	143	6,428.0	A
glyphosate, isopropylamine salt	Grape, wine	1,623.68	87	1,424.68	A
glyphosate, isopropylamine salt	Landscape maintenance	241.0	N/A	N/A	N/A
glyphosate, isopropylamine salt	Olive	6.0	1	3.0	A
glyphosate, isopropylamine salt	Pear	499.38	15	402.1	A
glyphosate, isopropylamine salt	Rangeland	6.36	2	7.5	A
glyphosate, isopropylamine salt	Rights of way	10.99	2	5.5	A
glyphosate, isopropylamine salt	Rights of way	193.85	N/A	N/A	N/A
glyphosate, isopropylamine salt	Strawberry	6.53	1	6.0	A
glyphosate, isopropylamine salt	Structural pest control	2.41	N/A	N/A	N/A
glyphosate, isopropylamine salt	Turf/sod	1.87	N/A	1.0	A
glyphosate, isopropylamine salt	Uncultivated non-ag	5.01	1	10.0	A
glyphosate, monoammonium salt	Landscape maintenance	1.19	N/A	N/A	N/A
glyphosate, potassium salt	Alfalfa	22.07	1	60.0	A
glyphosate, potassium salt	Grape, wine	12,963.05	581	6,937.44	A
glyphosate, potassium salt	Grape, wine	0.34	2	8,100.0	S

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
glyphosate, potassium salt	Landscape maintenance	110.28	N/A	N/A	N/A
glyphosate, potassium salt	Olive	0.88	1	2.0	A
glyphosate, potassium salt	Pastureland	0.26	1	1.0	A
glyphosate, potassium salt	Pear	771.02	19	410.75	A
glyphosate, potassium salt	Rangeland	5.81	13	4.8	A
glyphosate, potassium salt	Rights of way	2.59	1	2.0	A
glyphosate, potassium salt	Rights of way	73.85	N/A	N/A	N/A
heptamethyltrisiloxane-1,3-propanediol ether, ethoxylated propoxylated	Grape, wine	1.53	30	180.18	A
hexythiazox	Grape, wine	9.58	1	50.0	A
hydramethylnon	Structural pest control	<0.01	N/A	N/A	N/A
hydrogen peroxide	Grape, wine	11.53	1	37.0	A
hydrogen peroxide	Industrial hemp	1.36	3	6,100.0	S
hydroprene	Structural pest control	46.81	N/A	N/A	N/A
hydrotreated paraffinic solvent	Grape, wine	72.1	148	2,387.13	A
hydrotreated paraffinic solvent	Pear	20.76	7	188.0	A
2-(3-hydroxypropyl)-hepta-methyl trisiloxane, ethoxylated, acetate	Forest, timberland	32.6	3	1,037.0	A
2-(3-hydroxypropyl)-hepta-methyl trisiloxane, ethoxylated, acetate	Grape, wine	1,149.66	374	4,777.72	A
2-(3-hydroxypropyl)-hepta-methyl trisiloxane, ethoxylated, acetate	Rights of way	0.02	1	6.0	A
2-(3-hydroxypropyl)-hepta-methyl trisiloxane, ethoxylated, acetate	Rights of way	40.85	N/A	N/A	N/A
iba	N-outdr plants in containers	<0.01	30	3,273.0	U
imazamox, ammonium salt	Water area	0.16	1	3.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
imazapyr, isopropylamine salt	Forest, timberland	5,517.41	239	8,454.0	A
imazapyr, isopropylamine salt	Landscape maintenance	6.42	N/A	N/A	N/A
imazapyr, isopropylamine salt	Rights of way	216.04	N/A	N/A	N/A
imidacloprid	Grape, wine	583.56	165	4,112.04	A
imidacloprid	Landscape maintenance	0.05	N/A	N/A	N/A
imidacloprid	N-grnhs plants in containers	0.03	4	1,350.0	S
imidacloprid	Pear	1.57	1	26.0	A
imidacloprid	Structural pest control	170.66	N/A	N/A	N/A
indaziflam	Grape, wine	78.13	183	1,685.64	A
indaziflam	Pear	13.52	11	205.3	A
indaziflam	Rights of way	0.25	1	5.0	A
indaziflam	Rights of way	67.16	N/A	N/A	N/A
indoxacarb	Structural pest control	1.86	N/A	N/A	N/A
3-iodo-2-propynyl butylcarbamate	Lumber, treated	2,158.66	N/A	6,463.1	K
iodosulfuron-methyl-sodium	Rights of way	<0.01	N/A	N/A	N/A
iron phosphate	Landscape maintenance	0.03	1	300.0	S
iron phosphate	Landscape maintenance	18.0	N/A	N/A	N/A
isopropyl alcohol	Grape, wine	<0.01	1	4,860.0	S
isopropylamine dodecylbenzene sulfonate	Rights of way	0.01	N/A	N/A	N/A
isoxaben	Grape, wine	45.18	12	78.98	A
isoxaben	Landscape maintenance	8.3	N/A	N/A	N/A
kaolin	Grape, wine	3,980.07	10	199.15	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
kasugamycin hydrochloride	Pear	34.54	9	357.0	A
kresoxim-methyl	Grape, wine	67.07	22	518.83	A
kresoxim-methyl	N-grnhs plants in containers	0.88	N/A	7.3	A
kresoxim-methyl	Pear	30.0	1	150.0	A
lambda-cyhalothrin	Pear	3.15	1	100.0	A
lambda-cyhalothrin	Structural pest control	0.46	N/A	N/A	N/A
lanolin	Grape, wine	0.1	1	11.0	A
lauryl alcohol	Pear	14.64	10	321.0	A
lecithin	Forest, timberland	32.1	7	196.0	A
lecithin	Grape, wine	1,401.66	277	2,733.05	A
lecithin	Pear	51.44	9	149.75	A
lecithin	Rangeland	0.38	4	1.0	A
lignin sulfonic acid, magnesium salt	Grape, wine	34.86	1	45.0	A
lime-sulfur	Apple	1,355.3	26	138.0	A
lime-sulfur	Grape, wine	3,252.34	9	156.54	A
lime-sulfur	Pear	15,327.33	19	428.0	A
limonene	Structural pest control	39.57	N/A	N/A	N/A
mancozeb	Grape, wine	85.76	4	76.2	A
mancozeb	Pear	14,136.75	98	3,549.5	A
margosa oil	Grape, wine	0.92	1	3.0	A
mcpa, dimethylamine salt	Landscape maintenance	0.09	N/A	N/A	N/A
mecoprop-p	Landscape maintenance	0.63	N/A	N/A	N/A
mefenoxam	N-grnhs plants in containers	0.25	25	10,900.0	S

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
metaldehyde	N-grnhs plants in containers	0.02	52	644.28	S
metaldehyde	N-outdr plants in containers	0.08	105	2,702.16	S
metam-sodium	Rights of way	1,502.36	N/A	N/A	N/A
methoprene	Structural pest control	0.01	N/A	N/A	N/A
s-methoprene	Structural pest control	0.06	N/A	N/A	N/A
methoxyfenozide	Grape, wine	30.2	4	107.0	A
methoxyfenozide	Pear	101.37	10	376.0	A
methyl anthranilate	Grape, wine	0.5	3	3.0	A
methylated soybean oil	Forest, timberland	5,935.67	100	4,683.0	A
methylated soybean oil	Grape, wine	1,111.36	356	2,950.14	A
methylated soybean oil	Pear	5.78	1	35.0	A
methylated soybean oil	Rights of way	634.64	N/A	N/A	N/A
2-methyl-4-isothiazolin-3-one	Lumber, treated	1,831.67	N/A	8,262.96	K
methyl silicone resins	Grape, wine	8.94	5	311.9	A
metrafenone	Grape, wine	893.95	176	3,193.95	A
mineral oil	Apple	106.08	6	28.5	A
mineral oil	Grape, wine	35,805.58	275	5,263.3	A
mineral oil	Industrial hemp	0.88	3	1,100.0	S
mineral oil	Landscape maintenance	0.12	N/A	N/A	N/A
mineral oil	Olive	10.43	1	1.5	A
mineral oil	Pear	75,954.04	71	2,833.5	A
mineral oil	Rights of way	0.71	N/A	N/A	N/A
modified phthalic glycerol alkyd resin	Grape, wine	45.62	10	405.3	A
modified phthalic glycerol alkyd resin	Pear	309.42	27	1,037.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
muscalure	Structural pest control	<0.01	N/A	N/A	N/A
myclobutanil	Grape, wine	572.72	158	5,507.64	A
myristyl alcohol	Pear	2.97	10	321.0	A
myrothecium verrucaria, dried fermentation solids & solubles, strain aarc-0255	Grape, wine	180.0	1	20.0	A
naa, ammonium salt	Pear	42.45	11	497.5	A
naa, potassium salt	Pear	72.27	22	670.5	A
nerolidol	Grape, wine	11.76	22	687.86	A
4-nonylphenol, formaldehyde resin, propoxylated	Grape, wine	216.31	148	2,387.13	A
4-nonylphenol, formaldehyde resin, propoxylated	Pear	62.28	7	188.0	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Forest, timberland	1,208.08	154	6,588.0	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Grape, wine	922.48	321	6,071.93	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Grape, wine	0.02	1	4,860.0	S
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Landscape maintenance	0.88	N/A	N/A	N/A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Pear	77.77	15	302.75	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Rangeland	0.14	7	1.6	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Rights of way	76.41	N/A	N/A	N/A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene), branched	Grape, wine	3.5	3	44.58	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene), phosphate ester	Grape, wine	473.02	262	1,625.59	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene), phosphate ester	Pear	8.87	3	59.0	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene) sulfate, ammonium salt	Rights of way	<0.01	N/A	N/A	N/A
novaluron	Structural pest control	0.01	N/A	N/A	N/A
noviflumuron	Structural pest control	<0.01	N/A	N/A	N/A
octhilinone	Lumber, treated	29,189.0	N/A	8,262.96	K
n-octyl bicycloheptene dicarboximide	Structural pest control	1.73	N/A	N/A	N/A
oleic acid, ethyl ester	Forest, timberland	4.93	1	3.0	A
oleic acid, ethyl ester	Grape, wine	21.22	3	110.0	A
oleic acid, ethyl ester	Rights of way	0.58	1	3.0	A
oleic acid, ethyl ester	Water area	0.19	1	3.0	A
oleic acid, methyl ester	Forest, timberland	311.03	11	1,243.0	A
oleic acid, methyl ester	Grape, wine	809.07	113	1,323.58	A
oleic acid, methyl ester	Rights of way	0.09	1	6.0	A
oleic acid, methyl ester	Rights of way	177.68	N/A	N/A	N/A
oryzalin	Grape, wine	10.53	2	9.99	A
oryzalin	Landscape maintenance	0.98	N/A	N/A	N/A
oryzalin	Rangeland	1.17	3	0.6	A
oryzalin	Rights of way	2.08	N/A	N/A	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
oxadiazon	Golf course turf	0.24	N/A	4,000.0	S
oxadiazon	Landscape maintenance	10.22	N/A	N/A	N/A
oxyfluorfen	Grape, wine	839.09	117	4,301.98	A
oxyfluorfen	Pear	28.31	5	134.25	A
oxyfluorfen	Rights of way	12.77	N/A	N/A	N/A
oxytetracycline, calcium complex	Pear	209.7	55	1,759.0	A
oxytetracycline hydrochloride	Pear	483.58	63	3,169.0	A
oxytetracycline hydrochloride, other related	Pear	4.49	63	3,169.0	A
paecilomyces fumosoroseus apopka strain 97	Grape, wine	38.0	5	95.0	A
paraquat dichloride	Grape, wine	60.33	6	99.3	A
pcnb	Golf course turf	1.43	N/A	5,000.0	S
pendimethalin	Alfalfa	113.64	1	60.0	A
pendimethalin	Grape, wine	546.47	27	227.1	A
penoxsulam	Rights of way	0.27	N/A	N/A	N/A
penthiopyrad	Pear	30.18	4	111.0	A
permethrin	Structural pest control	68.1	N/A	N/A	N/A
permethrin, other related	Structural pest control	<0.01	N/A	N/A	N/A
peroxyacetic acid	Grape, wine	0.85	1	37.0	A
peroxyacetic acid	Industrial hemp	0.1	3	6,100.0	S
petroleum distillates	Rangeland	0.14	3	0.6	A
petroleum distillates	Rights of way	0.28	N/A	N/A	N/A
petroleum distillates, refined	Grape, wine	36,135.96	229	4,027.22	A
petroleum oil, paraffin based	Grape, wine	129.72	8	168.55	A
petroleum oil, paraffin based	Rights of way	2.03	N/A	N/A	N/A
petroleum oil, unclassified	Grape, wine	1,341.99	2	256.19	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
phenothrin	Structural pest control	0.29	N/A	N/A	N/A
phenylethyl propionate	Structural pest control	<0.01	N/A	N/A	N/A
phosphoric acid	Grape, wine	0.99	5	46.14	A
phosphoric acid	Grape, wine	0.01	1	4,860.0	S
piperonyl butoxide	Structural pest control	34.18	N/A	N/A	N/A
piperonyl butoxide, other related	Structural pest control	6.1	N/A	N/A	N/A
polyacrylamide polymer	Grape, wine	0.32	5	46.14	A
polyalkene oxide modified heptamethyl trisiloxane	Forest, timberland	1.82	1	300.0	A
polyalkene oxide modified heptamethyl trisiloxane	Grape, wine	4.82	12	202.66	A
polyalkyleneoxide modified polydimethyl-siloxane	Grape, wine	41.02	19	195.25	A
polyalkyleneoxide modified polydimethyl-siloxane	Pear	19.64	3	75.0	A
polyether modified polysiloxane	Grape, wine	4,299.14	401	10,136.29	A
polyether modified polysiloxane	Pear	249.93	33	1,550.0	A
polyethylene glycol	Grape, wine	2.19	30	180.18	A
polyethylene glycol diacetate	Forest, timberland	0.86	3	1,037.0	A
polyethylene glycol diacetate	Grape, wine	4.95	107	1,188.49	A
polyethylene glycol diacetate	Rights of way	<0.01	1	6.0	A
polyethylene glycol diacetate	Rights of way	1.08	N/A	N/A	N/A
polyethylene glycol mono(3-(tetramethyl-1-(trimethylsiloxy)disiloxanyl)propyl)ether	Grape, wine	37.37	7	140.7	A
polyethylene glycol stearate	Forest, timberland	1.23	1	3.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
polyethylene glycol stearate	Grape, wine	5.31	3	110.0	A
polyethylene glycol stearate	Rights of way	0.14	1	3.0	A
polymerized acrylic acid	Grape, wine	0.74	1	8.0	A
polymerized pinene	Grape, wine	7.94	5	30.5	A
polyoxin d, zinc salt	Grape, wine	17.88	52	482.89	A
polyoxyethylene dioleate	Water area	0.03	1	3.0	A
poly(oxyethylene) poly(oxypropylene) glycol monoallyl ether	Grape, wine	1.67	2	106.9	A
polyoxyethylene sorbitol, mixed ether ester	Grape, wine	26.57	8	168.55	A
polyoxyethylene sorbitan mixed fatty acid esters	Rights of way	0.08	N/A	N/A	N/A
polyoxyethylene sorbitan monolaurate	Grape, wine	4.0	2	8.12	A
polyoxyethylene sorbitan monooleate	Rights of way	0.04	N/A	N/A	N/A
polyoxyethylene sorbitan monooleate	Water area	0.01	1	3.0	A
polyoxyethylene sorbitan trioleate	Rights of way	0.25	N/A	N/A	N/A
polypropylene glycol	Grape, wine	0.18	3	205.0	A
potash soap	Industrial hemp	2.98	6	3,600.0	S
potash soap	N-grnhs plants in containers	0.23	51	360.5	S
potash soap	N-outdr plants in containers	<0.01	1	250.0	S
potassium bicarbonate	Grape, wine	2,512.98	69	969.24	A
potassium phosphite	Grape, wine	311.22	3	106.21	A
prallethrin	Structural pest control	0.55	N/A	N/A	N/A
propiconazole	Golf course turf	7.22	N/A	379,000.0	S
propiconazole	Lumber, treated	12,059.67	N/A	14,726.05	K
propionic acid	Grape, wine	441.27	57	924.08	A
propionic acid	Pear	39.88	8	114.75	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
propionic acid	Rangeland	0.38	4	1.0	A
propylene glycol	Grape, wine	10.62	12	202.66	A
pseudomonas fluorescens, strain a506	Grape, wine	0.43	4	1.84	A
pyraclostrobin	Grape, wine	936.74	258	5,511.2	A
pyraclostrobin	Peach	0.11	2	2.0	A
pyraflufen-ethyl	Grape, wine	0.96	30	391.75	A
pyraflufen-ethyl	Olive	0.01	1	3.0	A
pyraflufen-ethyl	Rights of way	<0.01	1	0.5	A
pyrethrins	Grape, wine	65.5	55	1,635.68	A
pyrethrins	Structural pest control	15.29	N/A	N/A	N/A
pyrimethanil	Grape, wine	345.98	68	1,035.28	A
pyrimethanil	Pear	30.3	11	300.5	A
pyriofenone	Grape, wine	14.85	7	152.2	A
pyriproxyfen	Structural pest control	0.13	N/A	N/A	N/A
qst 713 strain of dried bacillus subtilis	Grape, wine	521.65	91	1,615.28	A
quillaja	Grape, wine	5.41	26	877.96	A
quinclorac	Grape, wine	0.35	1	17.0	A
quinclorac	Landscape maintenance	0.2	N/A	N/A	N/A
quinoxifen	Grape, wine	455.65	242	4,730.38	A
reynoutria sachalinensis	Grape, wine	104.5	54	782.78	A
reynoutria sachalinensis	Industrial hemp	0.44	9	24,400.0	S
rimsulfuron	Grape, wine	49.18	118	1,457.41	A
rimsulfuron	Pear	9.31	8	167.05	A
rimsulfuron	Rights of way	0.16	1	5.0	A
rimsulfuron	Rights of way	0.87	N/A	N/A	N/A
saflufenacil	Alfalfa	2.67	1	60.0	A
sethoxydim	Grape, wine	39.44	11	143.86	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
silica aerogel	Structural pest control	0.16	N/A	N/A	N/A
silica filled polydimethylsiloxane	Grape, wine	0.77	7	130.08	A
simazine	Landscape maintenance	5.63	N/A	N/A	N/A
sodium decyl sulfate	Structural pest control	1.23	N/A	N/A	N/A
sodium hydroxide	Grape, wine	1.74	5	46.14	A
sodium hypochlorite	Grape, wine	0.26	2	12.0	A
sodium lauroampho acetate	Structural pest control	0.93	N/A	N/A	N/A
sodium lauryl sulfate	Structural pest control	0.63	N/A	N/A	N/A
sodium polyacrylate	Grape, wine	1.3	47	265.03	A
sodium polyacrylate	Pear	0.11	2	24.0	A
sorbitan fatty acid esters	Rights of way	0.02	N/A	N/A	N/A
soybean oil	Rights of way	9.07	N/A	N/A	N/A
spinetoram	Pear	78.86	19	751.5	A
spinosad	Grape, wine	1.58	1	7.0	A
spinosad	N-grnhs plants in containers	0.43	5	85,000.0	S
spinosad	Olive	0.01	2	7.0	A
spinosad	Pear	1.87	2	30.5	A
spirotetramat	Grape, wine	216.17	90	1,899.36	A
streptomyces lydicus wyec 108	Industrial hemp	<0.01	3	30,000.0	S
streptomycin sulfate	Pear	669.15	141	5,928.5	A
styrene butadiene copolymer	Grape, wine	14.35	12	202.66	A
sulfaquinoxaline	Vertebrate control	<0.01	N/A	N/A	N/A
sulfentrazone	Landscape maintenance	0.01	N/A	N/A	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
sulfentrazone	Rights of way	2.41	N/A	N/A	N/A
sulfometuron-methyl	Rights of way	0.12	N/A	N/A	N/A
sulfur	Apple	247.2	7	45.0	A
sulfur	Grape, wine	447,008.67	3,389	63,960.49	A
sulfur	Industrial hemp	6.2	6	24,800.0	S
sulfur	N-grnhs plants in containers	58.8	N/A	7.3	A
sulfur	Peach	24.0	2	4.0	A
sulfur	Pear	9,082.8	30	1,043.5	A
sulfur	Regulatory pest control	560.0	N/A	N/A	N/A
sulfur	Walnut	12.0	2	2.0	A
sulfur dioxide	Fumigation, other	2,550.32	N/A	N/A	N/A
sulfuryl fluoride	Structural pest control	2,328.98	N/A	N/A	N/A
tall oil	Grape, wine	33.28	148	2,387.13	A
tall oil	Pear	9.58	7	188.0	A
tall oil fatty acids	Forest, timberland	6.97	1	10.0	A
tall oil fatty acids	Grape, wine	4.0	36	241.46	A
tall oil fatty acids	Landscape maintenance	<0.01	N/A	N/A	N/A
tebuconazole	Grape, wine	315.43	154	2,935.87	A
tebuconazole	Lumber, treated	9,901.01	N/A	8,262.95	K
tetraconazole	Grape, wine	16.75	47	425.64	A
tetramethrin	Structural pest control	<0.01	N/A	N/A	N/A
thiamethoxam	Grape, wine	1.06	1	13.55	A
thiamethoxam	Structural pest control	0.31	N/A	N/A	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
thiencarbazono-methyl	Rights of way	0.01	N/A	N/A	N/A
thiophanate-methyl	Grape, wine	288.9	25	387.89	A
thiophanate-methyl	Peach	0.18	1	1.0	A
thiophanate-methyl	Structural pest control	0.02	N/A	N/A	N/A
thyme	Structural pest control	<0.01	N/A	N/A	N/A
triclopyr, butoxyethyl ester	Forest, timberland	4,362.97	59	2,057.5	A
triclopyr, butoxyethyl ester	Landscape maintenance	9.05	N/A	N/A	N/A
triclopyr, butoxyethyl ester	Rights of way	2.22	2	2.72	A
triclopyr, butoxyethyl ester	Rights of way	90.03	N/A	N/A	N/A
triclopyr, triethylamine salt	Forest, timberland	4,192.08	72	3,680.0	A
triclopyr, triethylamine salt	Landscape maintenance	3.36	N/A	N/A	N/A
triclopyr, triethylamine salt	Rangeland	0.8	1	0.3	A
triclopyr, triethylamine salt	Rights of way	129.17	N/A	N/A	N/A
trifloxystrobin	Grape, wine	188.64	97	2,076.19	A
trifloxystrobin	N-grnhs plants in containers	0.09	1	17,000.0	S
trifloxystrobin	Pear	3.38	2	36.0	A
triflumizole	Grape, wine	716.55	141	3,382.62	A
triflumizole	Pear	370.85	18	911.0	A
trifluralin	Landscape maintenance	7.68	N/A	N/A	N/A
alpha-2,6,8-trimethyl-4-nonyloxy-omega-hydroxypoly(oxyethylene)	Grape, wine	6.6	12	202.66	A
alpha-undecyl-omega-hydroxypoly(oxyethylene)	Forest, timberland	159.03	56	1,918.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
alpha-undecyl-omega-hydroxypoly(oxyethylene)	Grape, wine	56.69	16	569.32	A
alpha-undecyl-omega-hydroxypoly(oxyethylene)	Landscape maintenance	0.88	N/A	N/A	N/A
alpha-undecyl-omega-hydroxypoly(oxyethylene)	Rights of way	3.78	N/A	N/A	N/A
(s)-verbenone	Forest, timberland	0.08	1	0.5	A
warfarin	Vertebrate control	<0.01	N/A	N/A	N/A
yucca schidigera	Grape, wine	2.67	4	21.0	A
ziram	Grape, wine	2,227.71	20	716.8	A
ziram	Peach	1.14	1	1.0	A
ziram	Pear	6,533.91	44	1,661.5	A