

2020 Annual Statewide Pesticide Use Report Indexed by Chemical MODOC 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	Onion, dry	0.45	1	36.0	A
abamectin	Potato	5.58	7	417.0	A
abamectin	Structural pest control	<0.01	N/A	N/A	N/A
abamectin, other related	Structural pest control	<0.01	N/A	N/A	N/A
acetamiprid	Structural pest control	0.08	N/A	N/A	N/A
acrolein	Water area	53.62	1	5.0	A
alkyl (50%c14, 40%c12, 10%c16) dimethylbenzyl ammonium chloride	Structural pest control	0.26	N/A	N/A	N/A
alpha-alkyl (c10-c16)-omega-hydroxypoly(oxyethylene)	Alfalfa	4.52	2	67.5	A
alpha-alkyl (c10-c16)-omega-hydroxypoly(oxyethylene)	Barley	12.42	3	240.6	A
alpha-alkyl (c10-c16)-omega-hydroxypoly(oxyethylene)	Forage hay/silage	9.92	10	257.0	A
alpha-alkyl (c10-c16)-omega-hydroxypoly(oxyethylene)	Potato	9.35	4	331.0	A
alpha-alkyl (c10-c16)-omega-hydroxypoly(oxyethylene)	Rights of way	0.86	N/A	N/A	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
alpha-alkyl (c10-c16)-omega-hydroxypoly(oxyethylene)	Uncultivated ag	0.33	1	5.0	A
alpha-alkyl (c10-c16)-omega-hydroxypoly(oxyethylene)	Wheat	19.76	8	404.1	A
alpha-alkyl (secondary c12-c14)-omega-hydroxypoly(oxyethylene)	Alfalfa	23.56	15	963.6	A
alpha-alkyl (secondary c12-c14)-omega-hydroxypoly(oxyethylene)	Forage hay/silage	0.61	1	35.0	A
alpha-alkyl (secondary c12-c14)-omega-hydroxypoly(oxyethylene)	Potato	21.62	14	675.0	A
alpha-alkyl (secondary c12-c14)-omega-hydroxypoly(oxyethylene)	Uncultivated ag	6.32	2	73.0	A
alpha-alkyl (secondary c12-c14)-omega-hydroxypoly(oxyethylene)	Wheat	2.18	2	116.0	A
alpha-pinene beta-pinene copolymer	Vegetables, leafy	6.16	2	73.33	A
alpha-alkyl (c12-c14)-omega-hydroxypoly(oxyethylene)	Alfalfa	0.86	1	11.0	A
alpha-alkyl (c12-c14)-omega-hydroxypoly(oxyethylene)	Forage hay/silage	29.97	10	759.0	A
alpha-alkyl (c12-c14)-omega-hydroxypoly(oxyethylene)	Orchardgrass	2.62	1	68.0	A
alpha-alkyl (c12-c14)-omega-hydroxypoly(oxyethylene)	Pastureland	8.56	1	111.1	A
alpha-alkyl (c12-c14)-omega-hydroxypoly(oxyethylene)	Regulatory pest control	10.98	N/A	N/A	N/A
alpha-alkyl (c12-c14)-omega-hydroxypoly(oxyethylene)	Rights of way	9.81	1	640.0	A
alpha-alkyl (c12-c14)-omega-hydroxypoly(oxyethylene)	Rights of way	2.19	N/A	N/A	N/A
alkyl (c8,c10) polyglucoside	Alfalfa	180.01	23	1,484.8	A
alkyl (c8,c10) polyglucoside	Barley	7.83	1	70.0	A
alkyl (c8,c10) polyglucoside	Forage hay/silage	13.47	2	125.0	A
alkyl (c8,c10) polyglucoside	Mint	188.27	28	1,787.0	A
alkyl (c8,c10) polyglucoside	Onion, dry	3.89	1	71.0	A
alkyl (c8,c10) polyglucoside	Potato	116.65	25	1,094.2	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
alkyl (c8,c10) polyglucoside	Rights of way	6.67	N/A	N/A	N/A
alkyl (c8,c10) polyglucoside	Uncultivated ag	21.14	4	204.0	A
aluminum phosphide	Rights of way	5.84	N/A	N/A	N/A
aluminum phosphide	Wheat	165.0	N/A	1,292,000.0	P
aluminum phosphide	Wheat	220.0	N/A	840.0	T
aminocyclopyrachlor	Rights of way	20.39	N/A	N/A	N/A
aminocyclopyrachlor, potassium salt	Rights of way	0.42	N/A	N/A	N/A
aminopyralid, triisopropanolamine salt	Pastureland	37.72	4	1,371.1	A
aminopyralid, triisopropanolamine salt	Rangeland	3.69	N/A	17.5	A
aminopyralid, triisopropanolamine salt	Rights of way	3.07	2	300.0	A
aminopyralid, triisopropanolamine salt	Rights of way	372.74	N/A	N/A	N/A
aminopyralid, triisopropanolamine salt	Uncultivated ag	1.04	1	5.0	A
ammonium nitrate	Alfalfa	485.0	23	1,484.8	A
ammonium nitrate	Barley	28.07	1	70.0	A
ammonium nitrate	Forage hay/silage	6.42	2	125.0	A
ammonium nitrate	Mint	675.18	28	1,787.0	A
ammonium nitrate	Onion, dry	13.95	1	71.0	A
ammonium nitrate	Potato	418.33	25	1,094.2	A
ammonium nitrate	Rights of way	3.18	N/A	N/A	N/A
ammonium nitrate	Uncultivated ag	75.8	4	204.0	A
ammonium sulfate	Alfalfa	757.31	113	7,362.14	A
ammonium sulfate	Forage hay/silage	32.44	5	320.5	A
ammonium sulfate	Mint	97.87	12	721.0	A
ammonium sulfate	Rights of way	8.27	N/A	N/A	N/A
aromatic 200	Alfalfa	7.63	1	50.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
aromatic 200	Forage hay/silage	15.27	1	50.0	A
azadirachtin	Vegetables, leafy	2.35	4	148.14	A
azoxystrobin	Barley	63.8	9	671.0	A
azoxystrobin	Mint	66.81	4	267.0	A
azoxystrobin	Onion, dry	208.7	16	1,139.0	A
azoxystrobin	Potato	103.22	11	612.0	A
azoxystrobin	Wheat	23.6	3	239.0	A
bacillus amyloliquefaciens strain d747	Vegetables, leafy	740.8	8	202.85	A
bacillus amyloliquefaciens strain f727	Onion, dry	142.95	3	105.0	A
bacillus mycoides isolate j	Vegetables, leafy	1.96	2	19.58	A
bacillus thuringiensis, subsp. kurstaki, strain abts-351, fermentation solids and solubles	Vegetables, leafy	21.72	2	40.23	A
beauveria bassiana strain gha	Vegetables, leafy	44.66	6	209.69	A
benzoic acid	Alfalfa	80.61	344	22,956.78	A
benzoic acid	Barley	7.7	25	1,922.0	A
benzoic acid	Forage hay/silage	1.27	5	278.5	A
benzoic acid	Garlic	2.38	11	425.0	A
benzoic acid	Horseradish	0.68	2	167.0	A
benzoic acid	Mint	8.39	33	2,149.0	A
benzoic acid	Oat	0.09	1	50.0	A
benzoic acid	Onion, dry	20.51	54	3,913.0	A
benzoic acid	Potato	34.1	119	6,564.7	A
benzoic acid	Uncultivated ag	3.5	15	1,029.0	A
benzoic acid	Wheat	11.39	42	2,619.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
bifenthrin	Potato	29.68	6	347.0	A
bifenthrin	Structural pest control	0.3	N/A	N/A	N/A
n,n-bis-(2-omega-hydroxypoly(oxyethylene)ethyl)alkylamine, alkyl derived from tallow fatty acids	Alfalfa	1.37	1	50.0	A
n,n-bis-(2-omega-hydroxypoly(oxyethylene)ethyl)alkylamine, alkyl derived from tallow fatty acids	Forage hay/silage	2.74	1	50.0	A
n,n-bis-(2-(omega-hydroxypoly(oxyethylene)/poly(oxypropylene))ethyl)alkyl (c8-c18) amine	Alfalfa	7.07	1	77.0	A
n,n-bis-(2-(omega-hydroxypoly(oxyethylene)/poly(oxypropylene))ethyl)alkyl (c8-c18) amine	Barley	3.99	1	65.0	A
n,n-bis-(2-(omega-hydroxypoly(oxyethylene)/poly(oxypropylene))ethyl)alkyl (c8-c18) amine	Forage hay/silage	3.06	1	45.0	A
n,n-bis-(2-(omega-hydroxypoly(oxyethylene)/poly(oxypropylene))ethyl)alkyl (c8-c18) amine	Potato	56.58	18	970.0	A
borax	Forest, timberland	66.5	N/A	386.0	A
boric acid	Structural pest control	4.96	N/A	N/A	N/A
boscalid	Potato	102.91	9	576.0	A
bromacil	Landscape maintenance	4.8	N/A	N/A	N/A
bromadiolone	Structural pest control	<0.01	N/A	N/A	N/A
bromoxynil octanoate	Alfalfa	3.92	1	11.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
bromoxynil octanoate	Forage hay/silage	36.3	1	90.0	A
bromoxynil octanoate	Garlic	32.64	3	127.0	A
bromoxynil octanoate	Wheat	71.56	3	166.0	A
burkholderia sp strain a396 cells and fermentation media	Potato	2,242.53	9	285.0	A
2-butoxyethanol	Alfalfa	0.07	1	55.0	A
2-butoxyethanol	Potato	0.41	1	122.0	A
butyl lactate	Alfalfa	300.81	406	27,106.88	A
butyl lactate	Barley	41.86	24	1,852.0	A
butyl lactate	Forage hay/silage	3.46	3	165.5	A
butyl lactate	Garlic	15.74	8	311.0	A
butyl lactate	Horseradish	7.69	2	167.0	A
butyl lactate	Mint	13.65	6	371.0	A
butyl lactate	Oat	1.36	1	50.0	A
butyl lactate	Onion, dry	70.39	49	3,506.0	A
butyl lactate	Potato	58.65	62	3,328.5	A
butyl lactate	Rights of way	7.28	2	245.0	A
butyl lactate	Rights of way	60.93	N/A	N/A	N/A
butyl lactate	Uncultivated ag	61.02	11	825.0	A
butyl lactate	Wheat	46.26	41	2,477.0	A
calcium chloride	Vegetables, leafy	14.43	17	544.32	A
carfentrazone-ethyl	Alfalfa	1.2	1	55.0	A
carfentrazone-ethyl	Forage hay/silage	0.43	1	30.0	A
carfentrazone-ethyl	Mint	20.1	13	757.0	A
carfentrazone-ethyl	Potato	1.99	3	25.1	A
carfentrazone-ethyl	Uncultivated ag	1.59	1	60.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
chlorantraniliprole	Potato	2.52	1	46.0	A
chlorantraniliprole	Wheat	0.99	1	75.0	A
chlorfenapyr	Structural pest control	0.22	N/A	N/A	N/A
chlorothalonil	Onion, dry	193.62	3	210.0	A
chlorothalonil	Potato	2,214.04	40	2,300.5	A
chlorpropham	Potato	1,610.14	N/A	34,708.5	T
chlorsulfuron	Forage hay/silage	0.75	1	50.0	A
chlorsulfuron	Regulatory pest control	0.33	N/A	N/A	N/A
chlorsulfuron	Rights of way	0.15	1	640.0	A
chlorsulfuron	Rights of way	29.87	N/A	N/A	N/A
chlorthal-dimethyl	Onion, dry	253.57	2	72.0	A
cholecalciferol	Structural pest control	<0.01	N/A	N/A	N/A
chromobacterium subtsugae strain praa4-1	Vegetables, leafy	67.55	9	225.18	A
cinnamaldehyde	Vegetables, leafy	57.17	6	134.68	A
citric acid	Alfalfa	72.26	254	16,752.52	A
citric acid	Barley	4.04	3	264.0	A
citric acid	Forage hay/silage	1.07	3	195.5	A
citric acid	Garlic	2.64	4	131.0	A
citric acid	Horseradish	2.46	2	167.0	A
citric acid	Mint	2.72	12	721.0	A
citric acid	Onion, dry	9.34	16	1,061.0	A
citric acid	Potato	4.63	7	452.0	A
citric acid	Rights of way	2.33	2	245.0	A
citric acid	Rights of way	20.2	N/A	N/A	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
citric acid	Uncultivated ag	18.65	10	735.0	A
citric acid	Vegetables, leafy	40.07	17	544.32	A
citric acid	Wheat	2.45	5	269.0	A
clethodim	Alfalfa	76.1	8	398.71	A
clethodim	Garlic	17.67	3	127.0	A
clethodim	Mint	265.2	14	961.0	A
clethodim	Onion, dry	4.52	1	71.0	A
clethodim	Potato	28.62	2	128.0	A
clopyralid, monoethanolamine salt	Forest, timberland	104.48	13	1,298.6	A
clopyralid, monoethanolamine salt	Mint	25.69	2	105.0	A
clothianidin	Structural pest control	0.02	N/A	N/A	N/A
copper hydroxide	Onion, dry	273.9	3	216.0	A
copper hydroxide	Potato	593.14	20	921.0	A
copper hydroxide	Vegetables, leafy	8.84	4	41.14	A
copper oxychloride	Vegetables, leafy	9.8	4	41.14	A
copper sulfate (pentahydrate)	Rice, wild	2,989.8	9	302.0	A
cyantraniliprole	Potato	5.27	1	70.0	A
beta-cyfluthrin	Alfalfa	104.72	104	5,049.96	A
beta-cyfluthrin	Forage hay/silage	1.73	1	75.0	A
beta-cyfluthrin	Potato	15.47	11	720.0	A
beta-cyfluthrin	Structural pest control	1.68	N/A	N/A	N/A
cymoxanil	Potato	74.69	10	700.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
cypermethrin	Structural pest control	0.18	N/A	N/A	N/A
zeta-cypermethrin	Alfalfa	13.32	6	277.0	A
2,4-d	Barley	51.85	3	291.0	A
2,4-d	Rights of way	560.85	N/A	N/A	N/A
2,4-d	Uncultivated ag	160.58	15	915.0	A
2,4-d	Uncultivated non-ag	12.45	1	82.0	A
2,4-d	Wheat	28.73	4	149.0	A
2,4-d, butoxyethanol ester	Barley	92.04	3	291.0	A
2,4-d, butoxyethanol ester	Rangeland	51.19	N/A	17.5	A
2,4-d, butoxyethanol ester	Rights of way	1,650.07	N/A	N/A	N/A
2,4-d, butoxyethanol ester	Uncultivated ag	285.09	15	915.0	A
2,4-d, butoxyethanol ester	Uncultivated non-ag	22.1	1	82.0	A
2,4-d, butoxyethanol ester	Wheat	51.01	4	149.0	A
2,4-d, dimethylamine salt	Alfalfa	102.63	1	60.0	A
2,4-d, dimethylamine salt	Barley	910.21	14	1,105.6	A
2,4-d, dimethylamine salt	Forage hay/silage	1,295.97	22	1,208.0	A
2,4-d, dimethylamine salt	Landscape maintenance	0.86	N/A	N/A	N/A
2,4-d, dimethylamine salt	Oat	14.21	1	50.0	A
2,4-d, dimethylamine salt	Orchardgrass	77.16	1	68.0	A
2,4-d, dimethylamine salt	Pastureland	176.46	5	1,391.1	A
2,4-d, dimethylamine salt	Regulatory pest control	30.35	N/A	N/A	N/A
2,4-d, dimethylamine salt	Rights of way	60.49	3	840.0	A
2,4-d, dimethylamine salt	Rights of way	242.93	N/A	N/A	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
2,4-d, dimethylamine salt	Uncultivated ag	192.8	5	259.0	A
2,4-d, dimethylamine salt	Wheat	1,692.11	30	1,921.6	A
2,4-d, 2-ethylhexyl ester	Forage hay/silage	26.48	1	26.0	A
2,4-d, 2-ethylhexyl ester	Rights of way	82.71	2	245.0	A
2,4-d, 2-ethylhexyl ester	Rights of way	1,424.2	N/A	N/A	N/A
4-(2,4-db), dimethylamine salt	Alfalfa	1,474.46	32	1,969.0	A
decyl phenoxy benzene disulfonic acid, disodium salt	Alfalfa	38.79	97	6,766.0	A
decyl phenoxy benzene disulfonic acid, disodium salt	Forage hay/silage	0.05	1	5.5	A
decyl phenoxy benzene disulfonic acid, disodium salt	Mint	5.6	12	721.0	A
deltamethrin	Structural pest control	0.26	N/A	N/A	N/A
dicamba, dimethylamine salt	Barley	51.33	4	382.0	A
dicamba, dimethylamine salt	Forage hay/silage	194.46	19	1,038.0	A
dicamba, dimethylamine salt	Landscape maintenance	3.28	N/A	N/A	N/A
dicamba, dimethylamine salt	Orchardgrass	10.26	1	68.0	A
dicamba, dimethylamine salt	Pastureland	3.04	1	20.0	A
dicamba, dimethylamine salt	Rights of way	273.29	N/A	N/A	N/A
dicamba, dimethylamine salt	Uncultivated ag	20.24	4	179.0	A
dicamba, dimethylamine salt	Wheat	54.16	7	347.5	A
didecyl dimethyl ammonium chloride	Structural pest control	0.1	N/A	N/A	N/A
diethylene glycol	Rangeland	0.63	N/A	17.5	A
diethylene glycol	Rights of way	1,240.78	N/A	N/A	N/A
difethialone	Structural pest control	0.01	N/A	N/A	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
diglycolamine salt of 3,6-dichloro-o-anisic acid	Barley	89.29	13	1,040.0	A
diglycolamine salt of 3,6-dichloro-o-anisic acid	Forage hay/silage	35.52	3	190.0	A
diglycolamine salt of 3,6-dichloro-o-anisic acid	Oat	4.53	1	50.0	A
diglycolamine salt of 3,6-dichloro-o-anisic acid	Uncultivated ag	28.45	3	169.0	A
diglycolamine salt of 3,6-dichloro-o-anisic acid	Wheat	220.55	29	1,802.0	A
dimethenamid-p	Garlic	67.49	2	79.0	A
dimethenamid-p	Onion, dry	72.17	4	330.0	A
dimethenamid-p	Potato	412.96	8	461.0	A
dimethoate	Alfalfa	730.73	83	2,981.23	A
dimethyl alkyl tertiary amines	Alfalfa	88.09	344	22,956.78	A
dimethyl alkyl tertiary amines	Barley	8.41	25	1,922.0	A
dimethyl alkyl tertiary amines	Forage hay/silage	1.39	5	278.5	A
dimethyl alkyl tertiary amines	Garlic	2.6	11	425.0	A
dimethyl alkyl tertiary amines	Horseradish	0.75	2	167.0	A
dimethyl alkyl tertiary amines	Mint	9.16	33	2,149.0	A
dimethyl alkyl tertiary amines	Oat	0.1	1	50.0	A
dimethyl alkyl tertiary amines	Onion, dry	22.41	54	3,913.0	A
dimethyl alkyl tertiary amines	Potato	37.27	119	6,564.7	A
dimethyl alkyl tertiary amines	Uncultivated ag	3.83	15	1,029.0	A
dimethyl alkyl tertiary amines	Wheat	12.44	42	2,619.0	A
dimethyl dicocoalkyl ammonium salt with naphthalenesulfonic acid, formaldehyde condensate	Forage hay/silage	1.45	1	75.0	A
1,4-dimethylnaphthalene	Potato	129.24	N/A	13,300.0	T
dimethylpolysiloxane	Alfalfa	0.05	3	218.0	A
dimethylpolysiloxane	Forage hay/silage	0.05	3	200.0	A
dimethylpolysiloxane	Rangeland	<0.01	N/A	17.5	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
dimethylpolysiloxane	Rights of way	3.56	N/A	N/A	N/A
dinotefuran	Structural pest control	0.48	N/A	N/A	N/A
dioctyl dimethyl ammonium chloride	Structural pest control	0.1	N/A	N/A	N/A
diquat dibromide	Potato	132.42	6	173.5	A
disodium octaborate tetrahydrate	Structural pest control	10.35	N/A	N/A	N/A
dithiopyr	Rights of way	0.5	1	640.0	A
dithiopyr	Rights of way	0.23	N/A	N/A	N/A
diuron	Landscape maintenance	4.8	N/A	N/A	N/A
alpha-(para-dodecylphenyl)-omega-hydroxypoly(oxyethylene)	Vegetables, leafy	0.33	2	73.33	A
emulsifiable methylated vegetable oil	Potato	217.0	12	589.0	A
eptc	Potato	156.82	1	122.0	A
esfenvalerate	Potato	7.98	4	184.0	A
esfenvalerate	Structural pest control	4.51	N/A	N/A	N/A
famoxadone	Potato	74.69	10	700.0	A
fatty acids, mixed	Rights of way	2.27	N/A	N/A	N/A
fatty acids derived from tallow	Alfalfa	0.34	1	11.0	A
fatty acids derived from tallow	Forage hay/silage	11.99	10	759.0	A
fatty acids derived from tallow	Orchardgrass	1.05	1	68.0	A
fatty acids derived from tallow	Pastureland	3.42	1	111.1	A
fatty acids derived from tallow	Regulatory pest control	4.39	N/A	N/A	N/A
fatty acids derived from tallow	Rights of way	3.92	1	640.0	A
fatty acids derived from tallow	Rights of way	0.88	N/A	N/A	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
fipronil	Structural pest control	1.38	N/A	N/A	N/A
fluazifop-p-butyl	Onion, dry	176.01	11	803.0	A
flumioxazin	Garlic	18.62	5	184.0	A
fluopyram	Onion, dry	24.06	2	181.0	A
fluopyram	Potato	125.32	21	1,458.0	A
flupyradifurone	Alfalfa	951.92	134	8,858.38	A
flupyradifurone	Wheat	16.18	3	100.0	A
fluroxypyr, 1-methylheptyl ester	Forage hay/silage	14.36	1	90.0	A
fluroxypyr, 1-methylheptyl ester	Wheat	28.31	3	166.0	A
flutolanil	Potato	395.56	10	632.0	A
glufosinate-ammonium	Potato	679.82	27	1,440.2	A
glufosinate-ammonium	Rights of way	2.3	N/A	N/A	N/A
glycerol	Rights of way	230.19	N/A	N/A	N/A
glyphosate, dimethylamine salt	Forest, timberland	6,042.18	86	3,367.7	A
glyphosate, dimethylamine salt	Rights of way	2,265.75	N/A	N/A	N/A
glyphosate, isopropylamine salt	Alfalfa	350.18	11	233.43	A
glyphosate, isopropylamine salt	Forage hay/silage	152.55	3	110.0	A
glyphosate, isopropylamine salt	Forest, timberland	192.33	3	281.6	A
glyphosate, isopropylamine salt	Landscape maintenance	3.5	N/A	N/A	N/A
glyphosate, isopropylamine salt	Regulatory pest control	146.17	N/A	N/A	N/A
glyphosate, isopropylamine salt	Rights of way	89.91	3	1,380.0	A
glyphosate, isopropylamine salt	Rights of way	1,519.55	N/A	N/A	N/A
glyphosate, isopropylamine salt	Uncultivated ag	166.33	3	177.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
glyphosate, monoammonium salt	Rights of way	33.31	N/A	N/A	N/A
glyphosate, potassium salt	Alfalfa	1,723.31	16	1,219.0	A
glyphosate, potassium salt	Barley	232.42	2	141.0	A
glyphosate, potassium salt	Garlic	281.35	5	184.0	A
glyphosate, potassium salt	Horseradish	301.43	3	180.5	A
glyphosate, potassium salt	Onion, dry	949.33	15	1,007.0	A
glyphosate, potassium salt	Potato	82.75	1	44.0	A
glyphosate, potassium salt	Rights of way	82.75	2	245.0	A
glyphosate, potassium salt	Rights of way	1,382.19	N/A	N/A	N/A
glyphosate, potassium salt	Uncultivated ag	3,421.86	25	1,560.0	A
glyphosate, potassium salt	Uncultivated non-ag	226.19	1	82.0	A
glyphosate, potassium salt	Wheat	422.03	3	182.0	A
hexazinone	Alfalfa	754.1	18	1,374.0	A
hexazinone	Forest, timberland	3,987.52	26	1,906.3	A
hydrogen peroxide	Potato	174.3	1	28.0	A
hydrogen peroxide	Potato	76.64	N/A	7,550.0	T
hydrogen peroxide	Vegetables, leafy	10.83	1	8.7	A
hydroprene	Structural pest control	1.76	N/A	N/A	N/A
2-(3-hydroxypropyl)-hepta-methyl trisiloxane, ethoxylated, acetate	Vegetables, leafy	58.37	10	262.54	A
imazamox, ammonium salt	Alfalfa	31.1	11	672.0	A
imazapyr, isopropylamine salt	Forest, timberland	1,462.57	84	2,810.0	A
imazapyr, isopropylamine salt	Regulatory pest control	0.3	N/A	N/A	N/A
imazapyr, isopropylamine salt	Rights of way	159.16	N/A	N/A	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
imazethapyr, ammonium salt	Alfalfa	134.88	25	1,477.8	A
imidacloprid	Potato	172.51	21	1,269.0	A
imidacloprid	Structural pest control	3.55	N/A	N/A	N/A
indaziflam	Landscape maintenance	0.04	N/A	N/A	N/A
indaziflam	Rights of way	0.84	N/A	N/A	N/A
indoxacarb	Alfalfa	163.87	26	1,838.6	A
indoxacarb	Potato	9.0	1	84.0	A
indoxacarb	Structural pest control	0.02	N/A	N/A	N/A
isopropyl alcohol	Forage hay/silage	0.79	1	75.0	A
isopropyl alcohol	Structural pest control	0.04	N/A	N/A	N/A
isopropylamine dodecylbenzene sulfonate	Alfalfa	0.07	1	55.0	A
isopropylamine dodecylbenzene sulfonate	Potato	0.41	1	122.0	A
isopropylamine dodecylbenzene sulfonate	Rights of way	0.3	N/A	N/A	N/A
isoxaben	Rights of way	0.94	1	640.0	A
lambda-cyhalothrin	Alfalfa	201.21	90	6,660.3	A
lambda-cyhalothrin	Forage hay/silage	3.42	2	113.0	A
lambda-cyhalothrin	Potato	8.7	8	277.0	A
lambda-cyhalothrin	Structural pest control	0.4	N/A	N/A	N/A
lambda-cyhalothrin	Wheat	9.71	5	315.0	A
lecithin	Rights of way	6.59	N/A	N/A	N/A
limonene	Alfalfa	1.38	1	55.0	A
limonene	Potato	8.29	1	122.0	A
linuron	Horseradish	14.5	1	58.0	A
low molecular weight paraffinic oil	Alfalfa	1.73	1	55.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
low molecular weight paraffinic oil	Potato	10.36	1	122.0	A
malathion	Alfalfa	261.31	2	226.6	A
maleic hydrazide, potassium salt	Potato	837.33	4	220.0	A
mancozeb	Onion, dry	1,018.27	12	822.0	A
mancozeb	Potato	525.89	10	446.0	A
mandipropamid	Onion, dry	8.34	1	72.0	A
mcpa, dimethylamine salt	Barley	186.59	5	375.0	A
mcpa, dimethylamine salt	Forage hay/silage	104.09	2	120.0	A
mcpa, dimethylamine salt	Wheat	360.39	9	556.5	A
mcpa, 2-ethyl hexyl ester	Forage hay/silage	38.89	1	90.0	A
mcpa, 2-ethyl hexyl ester	Wheat	76.67	3	166.0	A
mefenoxam	Onion, dry	17.41	3	191.0	A
mefenoxam	Potato	151.84	27	1,578.0	A
metam-sodium	Potato	22,553.04	4	209.0	A
methomyl	Onion, dry	3.08	1	36.0	A
methylated soybean oil	Alfalfa	6,087.06	680	43,068.78	A
methylated soybean oil	Barley	317.61	26	1,992.0	A
methylated soybean oil	Forage hay/silage	68.41	8	359.0	A
methylated soybean oil	Forest, timberland	10,655.81	158	5,272.55	A
methylated soybean oil	Garlic	90.86	11	425.0	A
methylated soybean oil	Horseradish	26.09	2	167.0	A
methylated soybean oil	Mint	883.23	61	3,936.0	A
methylated soybean oil	Oat	3.48	1	50.0	A
methylated soybean oil	Onion, dry	795.77	55	3,984.0	A
methylated soybean oil	Potato	1,718.2	145	7,699.9	A
methylated soybean oil	Rights of way	2,820.73	N/A	N/A	N/A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
methylated soybean oil	Uncultivated ag	197.16	19	1,233.0	A
methylated soybean oil	Wheat	435.3	42	2,619.0	A
metofluthrin	Structural pest control	<0.01	N/A	N/A	N/A
metribuzin	Alfalfa	7,761.84	246	15,388.13	A
metribuzin	Forage hay/silage	122.18	5	237.1	A
metribuzin	Potato	1,077.66	39	2,224.0	A
mineral oil	Alfalfa	1,141.89	94	5,688.83	A
mineral oil	Pastureland	9.47	1	60.0	A
mineral oil	Rights of way	48.29	N/A	N/A	N/A
mineral oil	Vegetables, leafy	1.72	2	73.33	A
muscalure	Structural pest control	0.01	N/A	N/A	N/A
nicarbazin	Structural pest control	0.02	N/A	N/A	N/A
4-nonylphenol, formaldehyde resin, propoxylated	Rights of way	13.61	N/A	N/A	N/A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Alfalfa	132.02	191	9,626.97	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Barley	43.46	3	240.6	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Forage hay/silage	74.55	22	1,116.0	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Forest, timberland	1,895.2	158	5,272.55	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Orchardgrass	2.62	1	68.0	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Pastureland	8.56	1	111.1	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Potato	32.74	4	331.0	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Rangeland	0.24	N/A	17.5	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Regulatory pest control	10.98	N/A	N/A	N/A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Rights of way	9.81	1	640.0	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Rights of way	1,064.23	N/A	N/A	N/A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Uncultivated ag	1.14	1	5.0	A
alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene)	Wheat	69.16	8	404.1	A
novaluron	Structural pest control	<0.01	N/A	N/A	N/A
octyl decyl dimethyl ammonium chloride	Structural pest control	0.2	N/A	N/A	N/A
alpha-octylphenyl-omega-hydroxypoly(oxyethylene)	Alfalfa	0.17	1	55.0	A
alpha-octylphenyl-omega-hydroxypoly(oxyethylene)	Potato	1.04	1	122.0	A
oil of orange	Alfalfa	0.03	1	55.0	A
oil of orange	Potato	0.21	1	122.0	A
oxamyl	Potato	666.86	12	749.7	A
oxathiapiprolin	Onion, dry	1.0	1	72.0	A
oxyfluorfen	Forest, timberland	400.12	6	426.6	A
oxyfluorfen	Garlic	23.08	2	92.0	A
oxyfluorfen	Horseradish	2.73	1	58.0	A
oxyfluorfen	Landscape maintenance	0.98	N/A	N/A	N/A
oxyfluorfen	Mint	497.13	18	1,092.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
oxyfluorfen	Onion, dry	113.86	25	1,740.0	A
paraquat dichloride	Alfalfa	9,173.93	222	14,312.33	A
paraquat dichloride	Forage hay/silage	36.2	1	70.0	A
pendimethalin	Alfalfa	75.76	2	40.0	A
pendimethalin	Garlic	220.64	8	298.0	A
pendimethalin	Landscape maintenance	1.89	N/A	N/A	N/A
pendimethalin	Onion, dry	419.0	10	650.0	A
pendimethalin	Potato	774.16	11	688.0	A
penoxsulam	Forest, timberland	8.44	6	426.6	A
penoxsulam	Landscape maintenance	0.02	N/A	N/A	N/A
penthiopyrad	Onion, dry	42.73	3	157.0	A
penthiopyrad	Potato	2.0	1	67.0	A
permethrin	Public health	53.57	N/A	N/A	N/A
permethrin	Structural pest control	0.52	N/A	N/A	N/A
peroxyacetic acid	Potato	12.86	1	28.0	A
peroxyacetic acid	Potato	14.17	N/A	7,550.0	T
peroxyacetic acid	Vegetables, leafy	0.8	1	8.7	A
phenothrin	Structural pest control	<0.01	N/A	N/A	N/A
phosphoric acid	Alfalfa	9.27	13	378.14	A
phosphoric acid	Forage hay/silage	5.78	2	190.0	A
phosphoric acid	Rights of way	0.76	N/A	N/A	N/A
pinoxaden	Barley	18.87	5	358.6	A
pinoxaden	Wheat	18.97	4	361.6	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
piperonyl butoxide	Public health	42.85	N/A	N/A	N/A
piperonyl butoxide	Structural pest control	6.99	N/A	N/A	N/A
piperonyl butoxide, other related	Public health	10.71	N/A	N/A	N/A
piperonyl butoxide, other related	Structural pest control	<0.01	N/A	N/A	N/A
polyacrylamide, polyethylene glycol mixture	Rights of way	1.57	N/A	N/A	N/A
polyacrylamide, polyethylene glycol mixture	Wheat	0.14	1	66.0	A
polyacrylamide polymer	Alfalfa	1.18	8	503.6	A
polyacrylamide polymer	Barley	0.53	2	221.0	A
polyacrylamide polymer	Forage hay/silage	0.38	2	165.0	A
polyacrylamide polymer	Uncultivated ag	0.85	2	73.0	A
polyacrylamide polymer	Wheat	0.18	3	76.0	A
polyacrylic polymer	Alfalfa	0.84	13	378.14	A
polyacrylic polymer	Forage hay/silage	0.52	2	190.0	A
polyalkene oxide modified heptamethyl trisiloxane	Alfalfa	20.61	124	6,058.1	A
polyalkene oxide modified heptamethyl trisiloxane	Forage hay/silage	0.19	1	25.0	A
polyether modified polysiloxane	Potato	11.1	12	589.0	A
polyethoxylated castor oil	Alfalfa	143.88	20	1,266.8	A
polyethoxylated castor oil	Barley	8.77	1	70.0	A
polyethoxylated castor oil	Mint	210.99	28	1,787.0	A
polyethoxylated castor oil	Onion, dry	4.36	1	71.0	A
polyethoxylated castor oil	Potato	130.73	25	1,094.2	A
polyethoxylated castor oil	Uncultivated ag	23.69	4	204.0	A
polyethylene glycol	Forage hay/silage	4.98	1	75.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
polyethylene glycol oleate	Forage hay/silage	3.36	1	75.0	A
polyoxyethylene polyol fatty acid esters	Alfalfa	594.81	318	21,306.48	A
polyoxyethylene polyol fatty acid esters	Barley	18.7	3	264.0	A
polyoxyethylene polyol fatty acid esters	Forage hay/silage	0.32	1	5.5	A
polyoxyethylene polyol fatty acid esters	Garlic	12.19	4	131.0	A
polyoxyethylene polyol fatty acid esters	Horseradish	11.38	2	167.0	A
polyoxyethylene polyol fatty acid esters	Onion, dry	43.18	16	1,061.0	A
polyoxyethylene polyol fatty acid esters	Potato	21.43	7	452.0	A
polyoxyethylene polyol fatty acid esters	Rights of way	10.78	2	245.0	A
polyoxyethylene polyol fatty acid esters	Rights of way	90.18	N/A	N/A	N/A
polyoxyethylene polyol fatty acid esters	Uncultivated ag	86.27	10	735.0	A
polyoxyethylene polyol fatty acid esters	Wheat	11.32	5	269.0	A
poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates	Alfalfa	15.93	21	1,343.8	A
poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates	Barley	1.56	2	135.0	A
poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates	Forage hay/silage	0.51	1	45.0	A
poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates	Mint	21.64	28	1,787.0	A
poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates	Onion, dry	0.45	1	71.0	A
poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates	Potato	22.84	43	2,064.2	A
poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates	Uncultivated ag	2.43	4	204.0	A
polyoxyethylene sorbitan monolaurate	Alfalfa	719.03	88	5,800.4	A
polyoxyethylene sorbitan monolaurate	Barley	257.01	21	1,588.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
polyoxyethylene sorbitan monolaurate	Forage hay/silage	30.01	2	160.0	A
polyoxyethylene sorbitan monolaurate	Garlic	66.01	4	180.0	A
polyoxyethylene sorbitan monolaurate	Mint	120.03	6	371.0	A
polyoxyethylene sorbitan monolaurate	Oat	12.0	1	50.0	A
polyoxyethylene sorbitan monolaurate	Onion, dry	362.48	33	2,445.0	A
polyoxyethylene sorbitan monolaurate	Potato	388.48	55	2,876.5	A
polyoxyethylene sorbitan monolaurate	Uncultivated ag	24.01	1	90.0	A
polyoxyethylene sorbitan monolaurate	Wheat	339.59	36	2,208.0	A
polyoxyethylene sorbitan monooleate	Rights of way	1.19	N/A	N/A	N/A
polyoxyethylene sorbitan trioleate	Rights of way	7.81	N/A	N/A	N/A
polyoxyethylene tall oil fatty acid ester	Alfalfa	3.53	1	77.0	A
polyoxyethylene tall oil fatty acid ester	Barley	1.99	1	65.0	A
polyoxyethylene tall oil fatty acid ester	Forage hay/silage	1.53	1	45.0	A
polyoxyethylene tall oil fatty acid ester	Potato	28.29	18	970.0	A
polysorbate 65	Alfalfa	62.72	30	2,198.46	A
polysorbate 65	Pastureland	0.84	1	60.0	A
potash soap	Vegetables, leafy	64.71	1	59.27	A
potassium phosphite	Potato	94.04	1	30.0	A
prallethrin	Structural pest control	1.13	N/A	N/A	N/A
propiconazole	Barley	58.46	9	671.0	A
propiconazole	Wheat	20.46	3	239.0	A
pyrethrins	Structural pest control	0.24	N/A	N/A	N/A
pyrethrins	Vegetables, leafy	15.56	14	400.79	A
pyrimethanil	Onion, dry	150.43	7	613.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
pyrimethanil	Potato	374.85	21	1,458.0	A
pyriproxyfen	Structural pest control	0.03	N/A	N/A	N/A
qst 713 strain of dried bacillus subtilis	Potato	1.54	2	54.0	A
reynoutria sachalinensis	Potato	28.02	6	229.0	A
rimsulfuron	Potato	71.14	60	3,446.0	A
rimsulfuron	Rights of way	9.14	N/A	N/A	N/A
saflufenacil	Alfalfa	61.62	28	1,634.5	A
silica aerogel	Structural pest control	0.03	N/A	N/A	N/A
silica filled polydimethylsiloxane	Alfalfa	0.41	88	5,800.4	A
silica filled polydimethylsiloxane	Barley	0.15	21	1,588.0	A
silica filled polydimethylsiloxane	Forage hay/silage	0.02	2	160.0	A
silica filled polydimethylsiloxane	Garlic	0.04	4	180.0	A
silica filled polydimethylsiloxane	Mint	0.07	6	371.0	A
silica filled polydimethylsiloxane	Oat	0.01	1	50.0	A
silica filled polydimethylsiloxane	Onion, dry	0.21	33	2,445.0	A
silica filled polydimethylsiloxane	Potato	0.22	55	2,876.5	A
silica filled polydimethylsiloxane	Uncultivated ag	0.01	1	90.0	A
silica filled polydimethylsiloxane	Wheat	0.19	36	2,208.0	A
sodium diisooctylsulfosuccinate	Rights of way	3.41	N/A	N/A	N/A
sodium xylene sulfonate	Rights of way	37.71	N/A	N/A	N/A
sorbitan trioleate	Alfalfa	62.72	30	2,198.46	A
sorbitan trioleate	Pastureland	0.84	1	60.0	A
spinetoram	Onion, dry	30.43	9	618.0	A
spinosad	Vegetables, leafy	28.81	10	318.91	A
spirotetramat	Onion, dry	93.47	20	1,211.0	A
spirotetramat	Potato	6.61	2	84.0	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
strychnine	Alfalfa	0.19	4	37.0	A
strychnine	Regulatory pest control	0.69	N/A	N/A	N/A
sulfentrazone	Horseradish	7.17	1	58.0	A
sulfometuron-methyl	Rights of way	31.96	N/A	N/A	N/A
tall oil	Rights of way	6.44	N/A	N/A	N/A
tall oil fatty acids	Alfalfa	147.68	85	4,834.17	A
tall oil fatty acids	Barley	11.73	2	135.0	A
tall oil fatty acids	Forage hay/silage	4.34	1	45.0	A
tall oil fatty acids	Mint	146.07	28	1,787.0	A
tall oil fatty acids	Onion, dry	3.02	1	71.0	A
tall oil fatty acids	Potato	170.83	43	2,064.2	A
tall oil fatty acids	Uncultivated ag	16.4	4	204.0	A
tebuconazole	Onion, dry	317.67	11	809.0	A
z,e-9,12-tetradecadien-1-yl acetate	Structural pest control	0.02	N/A	N/A	N/A
thiamethoxam	Structural pest control	<0.01	N/A	N/A	N/A
tribenuron-methyl	Barley	3.69	5	356.6	A
tribenuron-methyl	Uncultivated ag	2.38	2	165.0	A
tribenuron-methyl	Wheat	9.1	11	815.6	A
trichoderma harzianum rifai strain krl-ag2	Vegetables, leafy	0.13	1	11.0	A
triclopyr, butoxyethyl ester	Forest, timberland	969.14	32	331.8	A
triclopyr, butoxyethyl ester	Rights of way	1.73	N/A	N/A	N/A
triclopyr choline	Forest, timberland	346.53	10	183.05	A

Chemical	Commodity or Site	Pounds Applied	Apps	Area Treated	Unit Treated
triclopyr, triethylamine salt	Forest, timberland	41.12	1	33.0	A
triclopyr, triethylamine salt	Rights of way	14.65	N/A	N/A	N/A
alpha-tridecyl-omega-hydroxypoly(oxyethanol) phosphate	Alfalfa	2.94	1	50.0	A
alpha-tridecyl-omega-hydroxypoly(oxyethanol) phosphate	Forage hay/silage	5.87	1	50.0	A
alpha-undecyl-omega-hydroxypoly(oxyethylene)	Potato	43.84	12	589.0	A
alpha-undecyl-omega-hydroxypoly(oxyethylene)	Rights of way	3.6	N/A	N/A	N/A
zinc phosphide	Alfalfa	17.92	16	586.54	A
zinc phosphide	Forage hay/silage	3.6	2	80.0	A
sodium lauryl ether sulfate	Alfalfa	19.68	15	963.6	A
sodium lauryl ether sulfate	Forage hay/silage	0.51	1	35.0	A
sodium lauryl ether sulfate	Potato	18.06	14	675.0	A
sodium lauryl ether sulfate	Uncultivated ag	5.28	2	73.0	A
sodium lauryl ether sulfate	Wheat	1.82	2	116.0	A