

2021 Annual Statewide Pesticide Use Report Indexed by Commodity 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.

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|-------------------|--|----------------|------|--------------|--------------|
| Alfalfa | 2,4-d | 10.58 | 1 | 68.0 | A |
| Alfalfa | 2,4-d, butoxyethanol ester | 18.79 | 1 | 68.0 | A |
| Alfalfa | 2,4-d, dimethylamine salt | 176.46 | 2 | 155.5 | A |
| Alfalfa | 4-(2,4-db), dimethylamine salt | 713.26 | 14 | 1,028.0 | A |
| Alfalfa | alkyl (c8,c10) polyglucoside | 193.21 | 26 | 1,923.0 | A |
| Alfalfa | alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene) | 142.14 | 93 | 3,026.0 | A |
| Alfalfa | alpha-alkyl (c10-c16)-omega-hydroxypoly(oxyethylene) | 12.04 | 2 | 155.0 | A |
| Alfalfa | alpha-alkyl (c12-c14)-omega-hydroxypoly(oxyethylene) | 71.43 | 52 | 1,849.0 | A |
| Alfalfa | alpha-alkyl (secondary c12-c14)-omega-hydroxypoly(oxyethylene) | 15.22 | 12 | 625.3 | A |
| Alfalfa | ammonium nitrate | 503.83 | 26 | 1,923.0 | A |
| Alfalfa | ammonium sulfate | 827.83 | 139 | 8,261.9 | A |
| Alfalfa | benzoic acid | 65.42 | 262 | 19,214.1 | A |
| Alfalfa | beta-cyfluthrin | 43.57 | 52 | 1,849.0 | A |
| Alfalfa | butyl lactate | 381.65 | 240 | 17,580.1 | A |
| Alfalfa | carfentrazone-ethyl | 7.01 | 5 | 372.3 | A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|-------------------|---|----------------|------|--------------|--------------|
| Alfalfa | citric acid | 37.77 | 142 | 8,560.9 | A |
| Alfalfa | clethodim | 116.79 | 6 | 530.0 | A |
| Alfalfa | decyl phenoxy benzene disulfonic acid, disodium salt | 31.13 | 81 | 5,836.9 | A |
| Alfalfa | dimethoate | 163.95 | 8 | 472.0 | A |
| Alfalfa | dimethyl alkyl tertiary amines | 71.49 | 262 | 19,214.1 | A |
| Alfalfa | dimethylpolysiloxane | 0.06 | 4 | 273.0 | A |
| Alfalfa | fatty acids derived from tallow | 28.57 | 52 | 1,849.0 | A |
| Alfalfa | flumioxazin | 52.47 | 6 | 447.8 | A |
| Alfalfa | flupyradifurone | 524.95 | 50 | 4,035.3 | A |
| Alfalfa | glyphosate, potassium salt | 1,558.47 | 12 | 902.5 | A |
| Alfalfa | hexazinone | 205.5 | 4 | 322.8 | A |
| Alfalfa | imazamox, ammonium salt | 18.68 | 6 | 460.0 | A |
| Alfalfa | imazethapyr, ammonium salt | 82.14 | 10 | 908.0 | A |
| Alfalfa | indoxacarb | 71.06 | 11 | 752.0 | A |
| Alfalfa | lambda-cyhalothrin | 168.25 | 81 | 5,571.4 | A |
| Alfalfa | methylated soybean oil | 4,766.07 | 371 | 25,742.4 | A |
| Alfalfa | metribuzin | 7,234.7 | 224 | 15,214.79 | A |
| Alfalfa | mineral oil | 1,004.28 | 92 | 5,433.19 | A |
| Alfalfa | n,n-bis-(2-(omega-hydroxypoly(oxyethylene)/poly(oxypropylene))ethyl)alkyl (c8-c18) amine | 9.17 | 3 | 196.0 | A |
| Alfalfa | paraquat dichloride | 8,996.06 | 194 | 12,700.79 | A |
| Alfalfa | phosphoric acid | 69.8 | 54 | 2,152.0 | A |
| Alfalfa | poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates | 16.75 | 25 | 1,846.0 | A |
| Alfalfa | polyacrylic polymer | 6.32 | 54 | 2,152.0 | A |
| Alfalfa | polyalkene oxide modified heptamethyl trisiloxane | 7.62 | 39 | 1,022.0 | A |
| Alfalfa | polyethoxylated castor oil | 148.4 | 22 | 1,650.0 | A |
| Alfalfa | polyoxyethylene polyol fatty acid esters | 933.41 | 55 | 4,428.3 | A |
| Alfalfa | polyoxyethylene polyoxypropylene | 0.03 | 3 | 185.0 | A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|-------------------|---|----------------|------|--------------|--------------|
| Alfalfa | polyoxyethylene sorbitan monolaurate | 1,822.87 | 185 | 13,151.8 | A |
| Alfalfa | polyoxyethylene tall oil fatty acid ester | 4.58 | 3 | 196.0 | A |
| Alfalfa | polysorbate 65 | 88.62 | 92 | 5,433.19 | A |
| Alfalfa | saflufenacil | 101.12 | 44 | 2,763.05 | A |
| Alfalfa | silica filled polydimethylsiloxane | 1.04 | 185 | 13,151.8 | A |
| Alfalfa | sodium dioctylsulfosuccinate | 0.02 | 3 | 185.0 | A |
| Alfalfa | sodium lauryl ether sulfate | 12.71 | 12 | 625.3 | A |
| Alfalfa | sorbitan trioleate | 88.62 | 92 | 5,433.19 | A |
| Alfalfa | sulfoxaflor | 124.17 | 85 | 4,003.3 | A |
| Alfalfa | tall oil fatty acids | 115.76 | 25 | 1,846.0 | A |
| Alfalfa | vinyl ester polymer | 7.13 | 3 | 185.0 | A |
| Alfalfa | zinc phosphide | 22.65 | 15 | 945.91 | A |
| Barley | 2,4-d, dimethylamine salt | 70.3 | 2 | 81.0 | A |
| Barley | alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene) | 16.37 | 2 | 145.0 | A |
| Barley | alpha-alkyl (c10-c16)-omega-hydroxypoly(oxyethylene) | 4.68 | 2 | 145.0 | A |
| Barley | benzoic acid | 1.01 | 5 | 315.0 | A |
| Barley | butyl lactate | 11.14 | 3 | 234.0 | A |
| Barley | citric acid | 2.11 | 1 | 72.0 | A |
| Barley | diglycolamine salt of 3,6-dichloro-o-anisic acid | 34.74 | 3 | 234.0 | A |
| Barley | dimethyl alkyl tertiary amines | 1.1 | 5 | 315.0 | A |
| Barley | glyphosate, potassium salt | 154.47 | 1 | 72.0 | A |
| Barley | mcpa, dimethylamine salt | 155.43 | 4 | 307.0 | A |
| Barley | methylated soybean oil | 38.47 | 5 | 315.0 | A |
| Barley | polyoxyethylene polyol fatty acid esters | 9.75 | 1 | 72.0 | A |
| Barley | polyoxyethylene sorbitan monolaurate | 40.01 | 2 | 162.0 | A |
| Barley | silica filled polydimethylsiloxane | 0.02 | 2 | 162.0 | A |
| Barley | tribenuron-methyl | 1.88 | 2 | 144.0 | A |
| Forage hay/silage | 2,4-d | 9.1 | 1 | 27.0 | A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|--------------------------|--|-----------------------|-------------|---------------------|---------------------|
| Forage hay/silage | 2,4-d, butoxyethanol ester | 16.15 | 1 | 27.0 | A |
| Forage hay/silage | 2,4-d, dimethylamine salt | 873.4 | 14 | 796.0 | A |
| Forage hay/silage | alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene) | 16.2 | 7 | 390.0 | A |
| Forage hay/silage | alpha-alkyl (c10-c16)-omega-hydroxypoly(oxyethylene) | 1.36 | 1 | 21.0 | A |
| Forage hay/silage | alpha-alkyl (c12-c14)-omega-hydroxypoly(oxyethylene) | 3.08 | 1 | 45.0 | A |
| Forage hay/silage | alpha-alkyl (secondary c12-c14)-omega-hydroxypoly(oxyethylene) | 0.69 | 1 | 27.0 | A |
| Forage hay/silage | alpha-tridecyl-omega-hydroxypoly(oxyethanol) phosphate | 2.94 | 1 | 30.0 | A |
| Forage hay/silage | ammonium sulfate | 7.42 | 1 | 83.0 | A |
| Forage hay/silage | aromatic 200 | 7.63 | 1 | 30.0 | A |
| Forage hay/silage | benzoic acid | 3.44 | 16 | 1,216.0 | A |
| Forage hay/silage | bromoxynil octanoate | 9.54 | 1 | 21.0 | A |
| Forage hay/silage | butyl lactate | 17.35 | 13 | 836.0 | A |
| Forage hay/silage | citric acid | 0.21 | 1 | 83.0 | A |
| Forage hay/silage | decyl phenoxy benzene disulfonic acid, disodium salt | 0.42 | 1 | 83.0 | A |
| Forage hay/silage | dicamba, dimethylamine salt | 140.03 | 10 | 549.0 | A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|--------------------------|--|-----------------------|-------------|---------------------|---------------------|
| Forage hay/silage | diglycolamine salt of 3,6-dichloro-o-anisic acid | 101.67 | 8 | 473.0 | A |
| Forage hay/silage | dimethyl alkyl tertiary amines | 3.76 | 16 | 1,216.0 | A |
| Forage hay/silage | fatty acids derived from tallow | 1.23 | 1 | 45.0 | A |
| Forage hay/silage | fluroxypyr, 1-methylheptyl ester | 3.77 | 1 | 21.0 | A |
| Forage hay/silage | glyphosate, isopropylamine salt | 60.01 | 1 | 30.0 | A |
| Forage hay/silage | lambda-cyhalothrin | 17.51 | 5 | 562.0 | A |
| Forage hay/silage | mcpa, 2-ethyl hexyl ester | 10.22 | 1 | 21.0 | A |
| Forage hay/silage | mcpa, dimethylamine salt | 170.27 | 5 | 297.0 | A |
| Forage hay/silage | methylated soybean oil | 183.69 | 22 | 1,570.0 | A |
| Forage hay/silage | metribuzin | 98.03 | 2 | 107.6 | A |
| Forage hay/silage | n,n-bis-(2-omega-hydroxypoly(oxyethylene)ethyl)alkylamine, alkyl derived from tallow fatty acids | 1.37 | 1 | 30.0 | A |
| Forage hay/silage | polyalkene oxide modified heptamethyl trisiloxane | 2.23 | 5 | 324.0 | A |
| Forage hay/silage | polyoxyethylene sorbitan monolaurate | 152.59 | 13 | 836.0 | A |
| Forage hay/silage | silica filled polydimethylsiloxane | 0.09 | 13 | 836.0 | A |
| Forage hay/silage | sodium lauryl ether sulfate | 0.58 | 1 | 27.0 | A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|--------------------------|---|-----------------------|-------------|---------------------|---------------------|
| Forage hay/silage | tribenuron-methyl | 2.87 | 3 | 214.0 | A |
| Forage hay/silage | zinc phosphide | 3.38 | 2 | 80.0 | A |
| Forest, timberland | 2,4-dichlorophenoxyacetic acid, choline salt | 71.66 | 6 | 177.72 | A |
| Forest, timberland | alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene) | 596.26 | 6 | 1,459.42 | A |
| Forest, timberland | borax | 73.0 | N/A | 513.0 | A |
| Forest, timberland | clopyralid, monoethanolamine salt | 94.93 | N/A | 373.0 | A |
| Forest, timberland | glyphosate, dimethylamine salt | 2,187.94 | N/A | 1,281.7 | A |
| Forest, timberland | glyphosate, isopropylamine salt | 68.57 | N/A | 25.0 | A |
| Forest, timberland | hexazinone | 1,402.5 | 8 | 753.78 | A |
| Forest, timberland | imazapyr, isopropylamine salt | 107.97 | N/A | 833.0 | A |
| Forest, timberland | methylated soybean oil | 3,352.47 | 6 | 1,459.42 | A |
| Forest, timberland | triclopyr choline | 138.11 | 4 | 84.0 | A |
| Garlic | benzoic acid | 2.88 | 11 | 507.0 | A |
| Garlic | bromoxynil octanoate | 37.61 | 6 | 193.0 | A |
| Garlic | butyl lactate | 18.15 | 10 | 459.0 | A |
| Garlic | citric acid | 4.57 | 4 | 266.0 | A |
| Garlic | dimethenamid-p | 151.47 | 5 | 179.0 | A |
| Garlic | dimethyl alkyl tertiary amines | 3.14 | 11 | 507.0 | A |
| Garlic | fluazifop-p-butyl | 54.73 | 6 | 193.0 | A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|--------------------------|---|-----------------------|-------------|---------------------|---------------------|
| Garlic | flumioxazin | 29.65 | 4 | 266.0 | A |
| Garlic | glyphosate, potassium salt | 524.09 | 4 | 266.0 | A |
| Garlic | methylated soybean oil | 109.99 | 11 | 507.0 | A |
| Garlic | mineral oil | 47.36 | 4 | 131.0 | A |
| Garlic | oxyfluorfen | 15.55 | 2 | 62.0 | A |
| Garlic | pendimethalin | 321.97 | 9 | 445.0 | A |
| Garlic | penthiopyrad | 14.32 | 1 | 48.0 | A |
| Garlic | polyoxyethylene polyol fatty acid esters | 21.14 | 4 | 266.0 | A |
| Garlic | polyoxyethylene sorbitan monolaurate | 34.01 | 6 | 193.0 | A |
| Garlic | polysorbate 65 | 4.18 | 4 | 131.0 | A |
| Garlic | silica filled polydimethylsiloxane | 0.02 | 6 | 193.0 | A |
| Garlic | sorbitan trioleate | 4.18 | 4 | 131.0 | A |
| Horseradish | alkyl (c8,c10) polyglucoside | 30.54 | 3 | 251.3 | A |
| Horseradish | ammonium nitrate | 109.52 | 3 | 251.3 | A |
| Horseradish | benzoic acid | 0.82 | 3 | 251.3 | A |
| Horseradish | carfentrazone-ethyl | 3.52 | 2 | 171.3 | A |
| Horseradish | clethodim | 11.11 | 1 | 80.0 | A |
| Horseradish | dimethyl alkyl tertiary amines | 0.89 | 3 | 251.3 | A |
| Horseradish | glyphosate, potassium salt | 242.74 | 2 | 171.3 | A |
| Horseradish | linuron | 11.63 | 1 | 31.0 | A |
| Horseradish | methylated soybean oil | 122.57 | 6 | 502.6 | A |
| Horseradish | poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates | 3.51 | 3 | 251.3 | A |
| Horseradish | polyethoxylated castor oil | 34.22 | 3 | 251.3 | A |
| Horseradish | tall oil fatty acids | 23.69 | 3 | 251.3 | A |
| Landscape maintenance | 2,4-d | 1.22 | N/A | N/A | N/A |
| Landscape maintenance | 2,4-d, butoxyethanol ester | 2.16 | N/A | N/A | N/A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|--------------------------|--|-----------------------|-------------|---------------------|---------------------|
| Landscape maintenance | 2,4-d, dimethylamine salt | 6.27 | N/A | N/A | N/A |
| Landscape maintenance | 4-(2,4-db), dimethylamine salt | 9.95 | N/A | N/A | N/A |
| Landscape maintenance | alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene) | 26.78 | N/A | N/A | N/A |
| Landscape maintenance | alpha-alkyl (c10-c16)-omega-hydroxypoly(oxyethylene) | 0.43 | N/A | N/A | N/A |
| Landscape maintenance | alpha-alkyl (secondary c12-c14)-omega-hydroxypoly(oxyethylene) | 0.35 | N/A | N/A | N/A |
| Landscape maintenance | aminopyralid, triisopropanolamine salt | 0.39 | N/A | N/A | N/A |
| Landscape maintenance | butyl lactate | 1.92 | N/A | N/A | N/A |
| Landscape maintenance | citric acid | 0.62 | N/A | N/A | N/A |
| Landscape maintenance | dicamba, dimethylamine salt | 2.13 | N/A | N/A | N/A |
| Landscape maintenance | glyphosate, isopropylamine salt | 166.38 | N/A | N/A | N/A |
| Landscape maintenance | imazapyr, isopropylamine salt | 81.81 | N/A | N/A | N/A |
| Landscape maintenance | methylated soybean oil | 216.36 | N/A | N/A | N/A |
| Landscape maintenance | oxyfluorfen | 1.96 | N/A | N/A | N/A |
| Landscape maintenance | pendimethalin | 6.63 | N/A | N/A | N/A |
| Landscape maintenance | penoxsulam | 0.04 | N/A | N/A | N/A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|------------------------------|---|-----------------------|-------------|---------------------|---------------------|
| Landscape maintenance | polyoxyethylene polyol fatty acid esters | 2.85 | N/A | N/A | N/A |
| Landscape maintenance | sodium lauryl ether sulfate | 0.29 | N/A | N/A | N/A |
| Mint | alkyl (c8,c10) polyglucoside | 78.28 | 9 | 724.0 | A |
| Mint | alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene) | 6.24 | 1 | 70.0 | A |
| Mint | alpha-alkyl (c10-c14)-omega-hydroxypoly(oxyethylene) | 8.78 | 1 | 70.0 | A |
| Mint | alpha-alkyl (c12-c16)-omega-hydroxypoly(oxyethylene) | 1.09 | 1 | 70.0 | A |
| Mint | ammonium nitrate | 280.74 | 9 | 724.0 | A |
| Mint | ammonium sulfate | 44.36 | 4 | 303.0 | A |
| Mint | bentazon, sodium salt | 131.71 | 1 | 80.0 | A |
| Mint | benzoic acid | 2.0 | 11 | 862.0 | A |
| Mint | bromoxynil octanoate | 28.38 | 1 | 80.0 | A |
| Mint | butyl lactate | 4.1 | 2 | 138.0 | A |
| Mint | carfentrazone-ethyl | 14.43 | 7 | 535.0 | A |
| Mint | citric acid | 3.31 | 5 | 373.0 | A |
| Mint | clethodim | 90.01 | 4 | 327.0 | A |
| Mint | decyl phenoxy benzene disulfonic acid, disodium salt | 2.54 | 4 | 303.0 | A |
| Mint | dimethyl alkyl tertiary amines | 2.19 | 11 | 862.0 | A |
| Mint | diuron | 106.86 | 1 | 70.0 | A |
| Mint | methylated soybean oil | 310.48 | 20 | 1,586.0 | A |
| Mint | oxyfluorfen | 302.55 | 8 | 605.0 | A |
| Mint | poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates | 9.0 | 9 | 724.0 | A |
| Mint | polyethoxylated castor oil | 87.73 | 9 | 724.0 | A |
| Mint | polyoxyethylene sorbitan monolaurate | 36.09 | 2 | 138.0 | A |
| Mint | silica filled polydimethylsiloxane | 0.02 | 2 | 138.0 | A |
| Mint | tall oil fatty acids | 60.74 | 9 | 724.0 | A |
| Onion, dry | alkyl (c8,c10) polyglucoside | 7.83 | 1 | 70.4 | A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|-------------------|---|----------------|------|--------------|--------------|
| Onion, dry | ammonium nitrate | 28.07 | 1 | 70.4 | A |
| Onion, dry | azoxystrobin | 309.13 | 24 | 1,728.8 | A |
| Onion, dry | benzoic acid | 12.49 | 34 | 2,392.0 | A |
| Onion, dry | bromoxynil octanoate | 134.88 | 33 | 1,734.0 | A |
| Onion, dry | butyl lactate | 63.8 | 40 | 2,814.4 | A |
| Onion, dry | chlorothalonil | 1,161.61 | 10 | 864.5 | A |
| Onion, dry | chlorthal-dimethyl | 538.85 | 5 | 344.0 | A |
| Onion, dry | citric acid | 4.92 | 7 | 504.6 | A |
| Onion, dry | copper hydroxide | 792.62 | 13 | 1,001.5 | A |
| Onion, dry | dimethenamid-p | 394.33 | 13 | 945.0 | A |
| Onion, dry | dimethyl alkyl tertiary amines | 13.64 | 34 | 2,392.0 | A |
| Onion, dry | ethofumesate | 14.73 | 1 | 66.8 | A |
| Onion, dry | fluazifop-p-butyl | 203.45 | 11 | 790.0 | A |
| Onion, dry | glyphosate, isopropylamine salt | 80.14 | 1 | 70.0 | A |
| Onion, dry | glyphosate, potassium salt | 999.91 | 13 | 874.0 | A |
| Onion, dry | mancozeb | 2,191.57 | 24 | 1,730.7 | A |
| Onion, dry | mefenoxam | 33.61 | 5 | 355.7 | A |
| Onion, dry | methylated soybean oil | 500.72 | 35 | 2,462.4 | A |
| Onion, dry | oxyfluorfen | 315.7 | 58 | 3,302.8 | A |
| Onion, dry | pendimethalin | 664.65 | 15 | 980.5 | A |
| Onion, dry | penthiopyrad | 148.59 | 8 | 542.5 | A |
| Onion, dry | poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates | 0.9 | 1 | 70.4 | A |
| Onion, dry | polyethoxylated castor oil | 8.77 | 1 | 70.4 | A |
| Onion, dry | polyoxyethylene polyol fatty acid esters | 22.76 | 7 | 504.6 | A |
| Onion, dry | polyoxyethylene sorbitan monolaurate | 425.85 | 33 | 2,309.8 | A |
| Onion, dry | pyrimethanil | 115.18 | 9 | 656.2 | A |
| Onion, dry | silica filled polydimethylsiloxane | 0.24 | 33 | 2,309.8 | A |
| Onion, dry | spinetoram | 35.1 | 9 | 650.1 | A |
| Onion, dry | spirotetramat | 122.15 | 19 | 1,445.0 | A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|-------------------|--|----------------|------|--------------|--------------|
| Onion, dry | tall oil fatty acids | 6.07 | 1 | 70.4 | A |
| Onion, dry | tebuconazole | 212.28 | 7 | 502.5 | A |
| Orchardgrass | lambda-cyhalothrin | 5.93 | 4 | 199.0 | A |
| Pastureland | 2,4-d, dimethylamine salt | 45.39 | 1 | 40.0 | A |
| Pastureland | alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene) | 1.14 | 1 | 40.0 | A |
| Pastureland | chlorsulfuron | 390.0 | 1 | 640.0 | A |
| Pastureland | dicamba, dimethylamine salt | 390.43 | 2 | 680.0 | A |
| Pastureland | methylated soybean oil | 6.06 | 1 | 40.0 | A |
| Pastureland | polyalkene oxide modified heptamethyl trisiloxane | 0.3 | 1 | 40.0 | A |
| Potato | 1,4-dimethylnaphthalene | 76.16 | N/A | 7,850.0 | T |
| Potato | 2-(3-hydroxypropyl)-hepta-methyl trisiloxane, ethoxylated, acetate | 4.72 | 5 | 298.0 | A |
| Potato | abamectin | 5.51 | 9 | 539.0 | A |
| Potato | alkyl (c8,c10) polyglucoside | 135.86 | 25 | 1,393.0 | A |
| Potato | alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene) | 92.39 | 7 | 448.0 | A |
| Potato | alpha-alkyl (c10-c16)-omega-hydroxypoly(oxyethylene) | 26.4 | 7 | 448.0 | A |
| Potato | alpha-alkyl (secondary c12-c14)-omega-hydroxypoly(oxyethylene) | 31.6 | 20 | 1,314.0 | A |
| Potato | alpha-undecyl-omega-hydroxypoly(oxyethylene) | 53.82 | 10 | 715.0 | A |
| Potato | ammonium nitrate | 487.22 | 25 | 1,393.0 | A |
| Potato | azoxystrobin | 92.36 | 8 | 580.0 | A |
| Potato | benzoic acid | 23.35 | 84 | 4,949.0 | A |
| Potato | beta-cyfluthrin | 14.1 | 12 | 649.0 | A |
| Potato | bifenthrin | 36.6 | 9 | 539.0 | A |
| Potato | boscalid | 98.5 | 7 | 509.0 | A |
| Potato | burkholderia sp strain a396 cells and fermentation media | 834.06 | 1 | 106.0 | A |
| Potato | butyl lactate | 24.65 | 27 | 1,510.0 | A |
| Potato | carfentrazone-ethyl | 11.81 | 10 | 632.0 | A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|-------------------|--|----------------|------|--------------|--------------|
| Potato | chlorothalonil | 2,462.17 | 33 | 2,031.42 | A |
| Potato | chlorpropham | 873.18 | N/A | 19,440.0 | T |
| Potato | copper hydroxide | 1,774.59 | 46 | 2,948.3 | A |
| Potato | copper oxychloride | 112.69 | 4 | 239.0 | A |
| Potato | cymoxanil | 44.7 | 8 | 493.0 | A |
| Potato | dimethenamid-p | 65.99 | 1 | 75.0 | A |
| Potato | dimethyl alkyl tertiary amines | 25.51 | 84 | 4,949.0 | A |
| Potato | diquat dibromide | 509.96 | 9 | 548.0 | A |
| Potato | emulsifiable methylated vegetable oil | 266.37 | 10 | 715.0 | A |
| Potato | eptc | 978.43 | 12 | 736.0 | A |
| Potato | esfenvalerate | 7.32 | 3 | 166.0 | A |
| Potato | famoxadone | 44.7 | 8 | 493.0 | A |
| Potato | fluopyram | 219.17 | 18 | 1,179.0 | A |
| Potato | glufosinate-ammonium | 402.83 | 19 | 1,072.0 | A |
| Potato | glyphosate, potassium salt | 175.16 | 2 | 85.0 | A |
| Potato | hydrogen peroxide | 224.1 | 1 | 90.0 | A |
| Potato | hydrogen peroxide | 43.29 | N/A | 4,500.0 | T |
| Potato | imidacloprid | 110.59 | 17 | 1,005.0 | A |
| Potato | maleic hydrazide, potassium salt | 678.27 | 4 | 175.0 | A |
| Potato | mancozeb | 1,093.46 | 13 | 802.0 | A |
| Potato | mefenoxam | 100.66 | 17 | 1,075.0 | A |
| Potato | mefenoxam, other related | 0.02 | 1 | 74.0 | A |
| Potato | metam-sodium | 17,101.79 | 3 | 191.0 | A |
| Potato | methylated soybean oil | 1,298.62 | 109 | 6,342.0 | A |
| Potato | metribuzin | 874.95 | 31 | 1,822.0 | A |
| Potato | n,n-bis-(2-(omega-hydroxypoly(oxyethylene)/poly(oxypropylene))ethyl)alkyl (c8-c18) amine | 62.2 | 17 | 1,111.0 | A |
| Potato | oxamyl | 970.4 | 14 | 1,025.96 | A |
| Potato | pendimethalin | 1,166.24 | 18 | 1,182.0 | A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|-------------------------|---|----------------|------|--------------|--------------|
| Potato | peroxyacetic acid | 16.54 | 1 | 90.0 | A |
| Potato | peroxyacetic acid | 9.15 | N/A | 4,500.0 | T |
| Potato | poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates | 25.98 | 42 | 2,504.0 | A |
| Potato | polyether modified polysiloxane | 13.62 | 10 | 715.0 | A |
| Potato | polyethoxylated castor oil | 152.26 | 25 | 1,393.0 | A |
| Potato | polyoxyethylene sorbitan monolaurate | 216.77 | 27 | 1,510.0 | A |
| Potato | polyoxyethylene tall oil fatty acid ester | 31.1 | 17 | 1,111.0 | A |
| Potato | potassium phosphite | 466.58 | 1 | 74.42 | A |
| Potato | pyrimethanil | 655.56 | 18 | 1,179.0 | A |
| Potato | reynoutria sachalinensis | 39.88 | 3 | 262.0 | A |
| Potato | rimsulfuron | 76.32 | 61 | 3,747.0 | A |
| Potato | silica filled polydimethylsiloxane | 0.12 | 27 | 1,510.0 | A |
| Potato | sodium lauryl ether sulfate | 26.41 | 20 | 1,314.0 | A |
| Potato | spinosad | 4.65 | 1 | 50.0 | A |
| Potato | spirotetramat | 44.48 | 10 | 631.0 | A |
| Potato | tall oil fatty acids | 193.72 | 42 | 2,504.0 | A |
| Public health | permethrin | 44.49 | N/A | N/A | N/A |
| Public health | piperonyl butoxide | 35.59 | N/A | N/A | N/A |
| Public health | piperonyl butoxide, other related | 8.9 | N/A | N/A | N/A |
| Regulatory pest control | 2,4-d, dimethylamine salt | 29.28 | N/A | N/A | N/A |
| Regulatory pest control | alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene) | 1.94 | N/A | N/A | N/A |
| Regulatory pest control | alpha-alkyl (c12-c14)-omega-hydroxypoly(oxyethylene) | 1.94 | N/A | N/A | N/A |
| Regulatory pest control | chlorsulfuron | 13.52 | N/A | N/A | N/A |
| Regulatory pest control | fatty acids derived from tallow | 0.78 | N/A | N/A | N/A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|--------------------------------|---|-----------------------|-------------|---------------------|---------------------|
| Regulatory pest control | glyphosate, isopropylamine salt | 99.51 | N/A | N/A | N/A |
| Rights of way | 2,4-d | 415.19 | N/A | N/A | N/A |
| Rights of way | 2,4-d, 2-ethylhexyl ester | 1,903.24 | N/A | N/A | N/A |
| Rights of way | 2,4-d, butoxyethanol ester | 983.34 | N/A | N/A | N/A |
| Rights of way | 2,4-d, dimethylamine salt | 547.49 | N/A | N/A | N/A |
| Rights of way | 2,4-dichlorophenoxyacetic acid, choline salt | 5.35 | N/A | N/A | N/A |
| Rights of way | alkyl (c8,c10) polyglucoside | 92.85 | N/A | N/A | N/A |
| Rights of way | alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene) | 1,258.75 | N/A | N/A | N/A |
| Rights of way | alpha-alkyl (c12-c14)-omega-hydroxypoly(oxyethylene) | 24.64 | N/A | N/A | N/A |
| Rights of way | alpha-undecyl-omega-hydroxypoly(oxyethylene) | 4.03 | N/A | N/A | N/A |
| Rights of way | aminocyclopyrachlor | 4.79 | N/A | N/A | N/A |
| Rights of way | aminocyclopyrachlor, potassium salt | 131.35 | N/A | N/A | N/A |
| Rights of way | aminopyralid, triisopropanolamine salt | 283.87 | N/A | N/A | N/A |
| Rights of way | ammonium nitrate | 44.21 | N/A | N/A | N/A |
| Rights of way | ammonium sulfate | 88.43 | N/A | N/A | N/A |
| Rights of way | bromacil | 592.0 | N/A | N/A | N/A |
| Rights of way | butyl lactate | 19.95 | N/A | N/A | N/A |
| Rights of way | carbaryl | 91.78 | N/A | N/A | N/A |
| Rights of way | chlorsulfuron | 30.47 | 1 | 50.0 | A |
| Rights of way | chlorsulfuron | 116.5 | N/A | N/A | N/A |
| Rights of way | citric acid | 5.8 | N/A | N/A | N/A |
| Rights of way | clopyralid, monoethanolamine salt | 46.28 | N/A | N/A | N/A |
| Rights of way | dicamba, dimethylamine salt | 30.15 | 1 | 50.0 | A |
| Rights of way | dicamba, dimethylamine salt | 3.01 | N/A | N/A | N/A |
| Rights of way | diethylene glycol | 1,381.37 | N/A | N/A | N/A |
| Rights of way | diglycolamine salt of 3,6-dichloro-o-anisic acid | 311.11 | N/A | N/A | N/A |
| Rights of way | dimethylpolysiloxane | 4.03 | N/A | N/A | N/A |
| Rights of way | dithiopyr | 0.2 | N/A | N/A | N/A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|--------------------------------|---|-----------------------|-------------|---------------------|---------------------|
| Rights of way | diuron | 592.0 | N/A | N/A | N/A |
| Rights of way | fatty acids derived from tallow | 9.86 | N/A | N/A | N/A |
| Rights of way | fatty acids, mixed | 2.41 | N/A | N/A | N/A |
| Rights of way | flumioxazin | 86.47 | N/A | N/A | N/A |
| Rights of way | glycerol | 279.19 | N/A | N/A | N/A |
| Rights of way | glyphosate, dimethylamine salt | 1,321.02 | N/A | N/A | N/A |
| Rights of way | glyphosate, isopropylamine salt | 3,814.9 | N/A | N/A | N/A |
| Rights of way | glyphosate, potassium salt | 1,773.56 | N/A | N/A | N/A |
| Rights of way | imazamox, ammonium salt | 26.46 | N/A | N/A | N/A |
| Rights of way | imazapyr, isopropylamine salt | 39.67 | N/A | N/A | N/A |
| Rights of way | indaziflam | 28.65 | N/A | N/A | N/A |
| Rights of way | isoxaben | 1.88 | N/A | N/A | N/A |
| Rights of way | lecithin | 1.02 | N/A | N/A | N/A |
| Rights of way | methylated soybean oil | 3,499.71 | N/A | N/A | N/A |
| Rights of way | polyacrylamide, polyethylene glycol mixture | 1.6 | N/A | N/A | N/A |
| Rights of way | polyoxyethylene polyol fatty acid esters | 26.83 | N/A | N/A | N/A |
| Rights of way | polyoxyethylene sorbitan monolaurate | 16.0 | N/A | N/A | N/A |
| Rights of way | rimsulfuron | 0.09 | N/A | N/A | N/A |
| Rights of way | silica filled polydimethylsiloxane | 0.01 | N/A | N/A | N/A |
| Rights of way | sodium diisooctylsulfosuccinate | 4.13 | N/A | N/A | N/A |
| Rights of way | sodium xylene sulfonate | 45.74 | N/A | N/A | N/A |
| Rights of way | sulfentrazone | 0.48 | N/A | N/A | N/A |
| Rights of way | sulfometuron-methyl | 91.61 | N/A | N/A | N/A |
| Rights of way | tall oil | 7.81 | N/A | N/A | N/A |
| Rights of way | triclopyr choline | 104.74 | N/A | N/A | N/A |
| Rights of way | triclopyr, butoxyethyl ester | 365.71 | N/A | N/A | N/A |
| Rights of way | zineb | 139.5 | N/A | N/A | N/A |
| Structural pest control | abamectin | <0.01 | N/A | N/A | N/A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|--------------------------------|--------------------|-----------------------|-------------|---------------------|---------------------|
| Structural pest control | alpha-cypermethrin | 0.08 | N/A | N/A | N/A |
| Structural pest control | beta-cyfluthrin | 0.36 | N/A | N/A | N/A |
| Structural pest control | bifenthrin | 0.1 | N/A | N/A | N/A |
| Structural pest control | bromadiolone | <0.01 | N/A | N/A | N/A |
| Structural pest control | bromethalin | <0.01 | N/A | N/A | N/A |
| Structural pest control | chlorfenapyr | 0.02 | N/A | N/A | N/A |
| Structural pest control | cholecalciferol | 0.01 | N/A | N/A | N/A |
| Structural pest control | cypermethrin | 0.02 | N/A | N/A | N/A |
| Structural pest control | deltamethrin | 0.17 | N/A | N/A | N/A |
| Structural pest control | dinotefuran | 0.06 | N/A | N/A | N/A |
| Structural pest control | diphacinone | <0.01 | N/A | N/A | N/A |
| Structural pest control | fipronil | 0.07 | N/A | N/A | N/A |
| Structural pest control | imidacloprid | 0.83 | N/A | N/A | N/A |
| Structural pest control | indoxacarb | 0.01 | N/A | N/A | N/A |
| Structural pest control | lambda-cyhalothrin | 0.09 | N/A | N/A | N/A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|--------------------------------|--|-----------------------|-------------|---------------------|---------------------|
| Structural pest control | permethrin | 0.01 | N/A | N/A | N/A |
| Structural pest control | phenylethyl propionate | 0.01 | N/A | N/A | N/A |
| Structural pest control | pyrethrins | <0.01 | N/A | N/A | N/A |
| Structural pest control | thiamethoxam | <0.01 | N/A | N/A | N/A |
| Structural pest control | thyme | 0.01 | N/A | N/A | N/A |
| Triticale | 2,4-d, dimethylamine salt | 113.46 | 2 | 100.0 | A |
| Triticale | alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene) | 2.84 | 2 | 100.0 | A |
| Triticale | methylated soybean oil | 15.16 | 2 | 100.0 | A |
| Triticale | polyalkene oxide modified heptamethyl trisiloxane | 0.76 | 2 | 100.0 | A |
| Uncultivated ag | 2,4-d | 56.02 | 5 | 250.0 | A |
| Uncultivated ag | 2,4-d, butoxyethanol ester | 99.46 | 5 | 250.0 | A |
| Uncultivated ag | alkyl (c8,c10) polyglucoside | 39.86 | 9 | 409.0 | A |
| Uncultivated ag | alpha-alkyl (secondary c12-c14)-omega-hydroxypoly(oxyethylene) | 3.32 | 2 | 96.0 | A |
| Uncultivated ag | ammonium nitrate | 103.05 | 9 | 409.0 | A |
| Uncultivated ag | ammonium sulfate | 12.22 | 2 | 54.0 | A |
| Uncultivated ag | benzoic acid | 1.94 | 16 | 963.0 | A |
| Uncultivated ag | butyl lactate | 45.84 | 12 | 786.0 | A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|--------------------------|---|-----------------------|-------------|---------------------|---------------------|
| Uncultivated ag | citric acid | 14.09 | 11 | 680.0 | A |
| Uncultivated ag | diglycolamine salt of 3,6-dichloro-o-anisic acid | 195.73 | 12 | 661.0 | A |
| Uncultivated ag | dimethyl alkyl tertiary amines | 2.12 | 16 | 963.0 | A |
| Uncultivated ag | dimethylpolysiloxane | 0.01 | 2 | 54.0 | A |
| Uncultivated ag | glyphosate, isopropylamine salt | 358.47 | 6 | 207.0 | A |
| Uncultivated ag | glyphosate, potassium salt | 2,177.4 | 18 | 1,084.0 | A |
| Uncultivated ag | mcpa, dimethylamine salt | 44.3 | 1 | 106.0 | A |
| Uncultivated ag | methylated soybean oil | 154.88 | 23 | 1,318.0 | A |
| Uncultivated ag | poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates | 3.11 | 7 | 355.0 | A |
| Uncultivated ag | polyacrylamide polymer | 0.24 | 2 | 96.0 | A |
| Uncultivated ag | polyethoxylated castor oil | 30.29 | 7 | 355.0 | A |
| Uncultivated ag | polyoxyethylene polyol fatty acid esters | 65.16 | 11 | 680.0 | A |
| Uncultivated ag | polyoxyethylene polyoxypropylene | 0.01 | 1 | 68.0 | A |
| Uncultivated ag | polyoxyethylene sorbitan monolaurate | 15.92 | 1 | 106.0 | A |
| Uncultivated ag | silica filled polydimethylsiloxane | 0.01 | 1 | 106.0 | A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|---------------------------|--|-----------------------|-------------|---------------------|---------------------|
| Uncultivated ag | sodium dioctylsulfosuccinate | 0.01 | 1 | 68.0 | A |
| Uncultivated ag | sodium lauryl ether sulfate | 2.78 | 2 | 96.0 | A |
| Uncultivated ag | tall oil fatty acids | 20.97 | 7 | 355.0 | A |
| Uncultivated ag | tribenuron-methyl | 5.09 | 5 | 371.0 | A |
| Uncultivated ag | vinyl ester polymer | 2.64 | 1 | 68.0 | A |
| Vertebrate control | strychnine | 0.42 | N/A | N/A | N/A |
| Wheat | 2,4-d | 46.39 | 2 | 277.0 | A |
| Wheat | 2,4-d, butoxyethanol ester | 82.36 | 2 | 277.0 | A |
| Wheat | 2,4-d, dimethylamine salt | 378.11 | 7 | 438.6 | A |
| Wheat | alkyl (c8,c10) polyglucoside | 56.73 | 6 | 309.0 | A |
| Wheat | alpha-(para-nonylphenyl)-omega-hydroxypoly(oxyethylene) | 19.8 | 2 | 103.6 | A |
| Wheat | alpha-alkyl (c10-c16)-omega-hydroxypoly(oxyethylene) | 5.66 | 2 | 103.6 | A |
| Wheat | alpha-alkyl (secondary c12-c14)-omega-hydroxypoly(oxyethylene) | 6.5 | 3 | 324.0 | A |
| Wheat | ammonium nitrate | 118.31 | 6 | 309.0 | A |
| Wheat | ammonium sulfate | 26.07 | 3 | 114.0 | A |
| Wheat | azoxystrobin | 15.59 | 2 | 135.0 | A |
| Wheat | benzoic acid | 5.68 | 23 | 1,590.0 | A |
| Wheat | bromoxynil octanoate | 46.3 | 2 | 102.0 | A |
| Wheat | butyl lactate | 33.89 | 20 | 1,375.0 | A |
| Wheat | citric acid | 2.11 | 1 | 88.0 | A |
| Wheat | clethodim | 22.22 | 2 | 130.0 | A |
| Wheat | dicamba, dimethylamine salt | 53.48 | 6 | 482.6 | A |
| Wheat | diglycolamine salt of 3,6-dichloro-o-anisic acid | 197.54 | 19 | 1,287.0 | A |

| Commodity or Site | Chemical | Pounds Applied | Apps | Area Treated | Unit Treated |
|--------------------------|---|-----------------------|-------------|---------------------|---------------------|
| Wheat | dimethyl alkyl tertiary amines | 6.2 | 23 | 1,590.0 | A |
| Wheat | dimethylpolysiloxane | 0.03 | 3 | 114.0 | A |
| Wheat | fluroxypyr, 1-methylheptyl ester | 18.31 | 2 | 102.0 | A |
| Wheat | glyphosate, potassium salt | 703.44 | 5 | 358.0 | A |
| Wheat | lambda-cyhalothrin | 2.37 | 1 | 75.0 | A |
| Wheat | mcpa, 2-ethyl hexyl ester | 49.6 | 2 | 102.0 | A |
| Wheat | mcpa, dimethylamine salt | 630.72 | 17 | 1,086.0 | A |
| Wheat | methylated soybean oil | 304.8 | 26 | 1,785.0 | A |
| Wheat | pinoxaden | 3.77 | 1 | 75.0 | A |
| Wheat | poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-c11-14-isoalkyl ethers, c13-rich, phosphates | 3.37 | 3 | 195.0 | A |
| Wheat | polyethoxylated castor oil | 32.9 | 3 | 195.0 | A |
| Wheat | polyoxyethylene polyol fatty acid esters | 9.75 | 1 | 88.0 | A |
| Wheat | polyoxyethylene sorbitan monolaurate | 240.05 | 19 | 1,287.0 | A |
| Wheat | propiconazole | 4.43 | 1 | 60.0 | A |
| Wheat | silica filled polydimethylsiloxane | 0.14 | 19 | 1,287.0 | A |
| Wheat | sodium lauryl ether sulfate | 5.43 | 3 | 324.0 | A |
| Wheat | tall oil fatty acids | 22.78 | 3 | 195.0 | A |
| Wheat | tribenuron-methyl | 4.26 | 6 | 342.0 | A |