

Commercial Applicator Pesticide Usage Host Group Summary
Pounds of Active Ingredient Statewide
Reporting Year: 2009

B - Birds/bats

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|------------------------------------|------|
| 3-Chloro-p-toluidine hydrochloride | 6.73 |
| TOTAL B - Birds/bats | 6.73 |

C - Corn

| | |
|--------------------------------|------------|
| 2,4-D | 61.28 |
| 2,4-Dichlorophenoxyacetic Acid | 0.61 |
| Acetochlor | 42,311.98 |
| Atrazine | 60,224.40 |
| Azoxystrobin | 35.50 |
| Bifenthrin | 35.54 |
| Carbaryl | 36.00 |
| CGA-77102 | 15,001.76 |
| Clomazone | 331.50 |
| Clopyralid | 96.77 |
| Cyclopropanecarboxylic acid | 0.25 |
| Cypermethrin | 0.26 |
| Dicamba | 1,852.21 |
| Dimethenamid | 6,004.16 |
| Diuron | 9.96 |
| Ethalfuralin | 1,060.80 |
| Flumetsulam | 42.04 |
| Glufosinate ammonium | 12.53 |
| Glyphosate | 13,125.79 |
| Halosulfuron | 51.36 |
| HYDROGEN PEROXIDE | 1.67 |
| Imazapyr | 1.24 |
| Indoxacarb | 1.34 |
| Lambdacyhalothrin | 214.11 |
| Mesotrione | 333.11 |
| Metolachlor | 9,113.59 |
| Nicosulfuron | 41.12 |
| Pendimethalin | 1,879.76 |
| Permethrin | 2.92 |
| Peroxyacetic Acid | 2.50 |
| Primisulfuron methyl | 5.64 |
| Prosulfuron | 1.22 |
| Rimsulfuron | 412.79 |
| Simazine | 9,607.48 |
| Thifensulfuron methyl | 18.31 |
| Thifensulfuron-methyl | 144.52 |
| Topramezone | 1.30 |
| Triclopyr | 0.00 |
| TOTAL C - Corn | 162,077.33 |

D - Cooling towers

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|--|--------|
| 2,2-Dibromo-3-nitropropionamide | 113.89 |
| 2-Bromo-2-nitropropane-1,3-diol | 77.18 |
| 2-Methyl-4-isothiazolin-3-one | 87.45 |
| 5-Chloro-2-methyl-4-isothiazolin-3-one | 125.82 |
| Bromine | 393.05 |

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|--------------------------|-----------|
| Busan 77 | 360.50 |
| Butyl carbamate | 0.02 |
| Chlorine | 267.16 |
| Dazomet | 7,442.20 |
| DBNPA | 47.96 |
| Glutaraldehyde | 281.52 |
| HYDROGEN PEROXIDE | 14.58 |
| Methylene bithiocyanate | 7,809.99 |
| Propiconazole | 98.30 |
| Sodium Bromide | 104.64 |
| Sodium hypochlorite | 9,278.34 |
| Sodium O-phenylphenate | 4,203.40 |
| TOTAL D - Cooling towers | 30,705.98 |

E - Golf Course

| | |
|-------------------------------------|-----------|
| 2,4-D | 286.95 |
| 2,4-Dichlorophenoxyacetic Acid | 32.80 |
| Aluminum tris | 516.80 |
| Aminopyralid | 7.10 |
| Azoxystrobin | 50.01 |
| Bifenthrin | 52.41 |
| Carbaryl | 48.00 |
| Carfentrazone-ethyl | 9.46 |
| Chlorantraniliprole | 2.34 |
| Chloroneb | 605.84 |
| Chlorothalonil | 11,854.72 |
| Chlorpyrifos | 455.84 |
| Clopyralid | 18.05 |
| Clothianidin | 10.90 |
| Cyfluthrin | 3.75 |
| Deltamethrin | 0.01 |
| Dicamba | 30.82 |
| Dichloro-8-quinolinecarboxylic acid | 23.23 |
| Diquat | 0.48 |
| Dithiopyr | 140.89 |
| Ethephon | 397.80 |
| Fenoxaprop-ethyl | 1.43 |
| Fludioxonil | 77.55 |
| Fluoxastrobin | 11.07 |
| Flurprimidol | 33.97 |
| Flutoanil | 61.60 |
| Glyphosate | 25.37 |
| Halofenozide | 41.16 |
| HYDROGEN PEROXIDE | 130.39 |
| Imidacloprid | 419.98 |
| Indoxacarb | 77.19 |
| Iprodione | 2,736.24 |
| Isoxaben | 0.75 |
| Lambdacyhalothrin | 0.43 |
| Mancozeb | 948.59 |
| Maneb | 1,110.00 |
| MCPA | 0.01 |
| MCPP | 150.90 |
| Mecoprop | 15.04 |
| Mesotrione | 1.40 |
| Metalaxyl | 31.50 |

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|---------------------------|-----------|
| Metconazole | 2.50 |
| Methanearsonic acid | 0.03 |
| Mineral Oil | 555.29 |
| Myclobutanil | 19.21 |
| Paclobutrazol | 37.05 |
| PCNB | 7,502.82 |
| Pendimethalin | 7.95 |
| Propamocarb hydrochloride | 102.00 |
| Propiconazole | 506.87 |
| Pymetrozine | 1.48 |
| Spinosad | 0.88 |
| Sulfentrazone | 0.09 |
| Sulfur | 45.00 |
| Thiamethoxam | 12.50 |
| Thiophanate | 1,606.43 |
| Triadimefon | 82.80 |
| Triclopyr | 33.88 |
| Trifloxystrobin | 10.70 |
| Trifluralin | 3.00 |
| Trinexapac-ethyl | 147.10 |
| Vinclozolin | 520.73 |
| TOTAL E - Golf Course | 31,621.04 |

F - Forestry

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|--------------------|--------|
| 2,4-D | 4.00 |
| Diquat | 12.96 |
| Glyphosate | 478.99 |
| Triclopyr | 11.21 |
| TOTAL F - Forestry | 507.16 |

G - Lawncare

| | |
|--------------------------------------|-----------|
| 2,4-D | 27,643.60 |
| 2,4-Dichlorophenoxyacetic Acid | 1,623.56 |
| 2,4-DP | 50.86 |
| Abamectin | 0.03 |
| Allethrin | 0.01 |
| Azoxystrobin | 0.09 |
| Bacillus popilliae | 0.45 |
| Bacillus thuringiensis var. kurstaki | 10.30 |
| Bifenthrin | 109.83 |
| Boric acid | 0.05 |
| Calcium hypochlorite | 4.70 |
| Carfentrazone-ethyl | 6.04 |
| Chlorantraniliprole | 109.28 |
| Chloroneb | 3.59 |
| Chlorothalonil | 147.62 |
| Chlorpyrifos | 72.00 |
| Clopyralid | 4.92 |
| Clothianidin | 176.50 |
| Copper oxychloride | 1.05 |
| Copper sulfate | 0.20 |
| Deltamethrin | 3.99 |
| Dicamba | 2,458.71 |
| Dichloro-8-quinolinecarboxylic acid | 21.75 |
| Diquat | 42.74 |
| Dithiopyr | 136.44 |

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|--------------------------------|-----------|
| Fenoxaprop-ethyl | 0.71 |
| Ferrous sulfate | 19.20 |
| Fluroxypyr | 2.49 |
| Glyphosate | 1,692.76 |
| Halosulfuron | 1.03 |
| Imazapic | 0.00 |
| Imidacloprid | 195.76 |
| Isoxaben | 1.33 |
| Lambdacyhalothrin | 0.00 |
| MCPA | 9,510.35 |
| MCPP | 523.22 |
| Mecoprop | 33.43 |
| Metalaxyl | 0.49 |
| Methanearsonic acid | 0.07 |
| Myclobutanil | 4.15 |
| Oxyfluorfen | 0.01 |
| Oxytetracycline Calcium | 0.00 |
| PCNB | 10.00 |
| Pendimethalin | 63.50 |
| Permethrin | 5.07 |
| Phenothrin | 0.01 |
| Piperonyl butoxide | 0.01 |
| Potassium salts of fatty acids | 10.00 |
| Prodiamine | 56.65 |
| Prometon | 1.00 |
| Propiconazole | 2.91 |
| Propionic acid | 197.08 |
| Pyrethrum | 0.10 |
| Quinclorac | 76.92 |
| Siduron | 11.64 |
| Sulfentrazone | 0.61 |
| Superior oil | 189.73 |
| Tetramethrin | 0.02 |
| Thiamethoxam | 19.18 |
| Thiophanate | 1.79 |
| Trichlorfon | 163.88 |
| Triclopyr | 172.67 |
| Trifluralin | 5.30 |
| TOTAL G - Lawncare | 45,601.34 |

M - Mosquitos

| | |
|---|----------|
| Bacillus sphaericus | 141.00 |
| Bacillus thuringiensis var. israelensis | 2,182.01 |
| Bifenthrin | 6.86 |
| Malathion | 544.50 |
| Methoprene | 0.02 |
| Permethrin | 15.97 |
| Piperonyl butoxide | 66.78 |
| TOTAL M - Mosquitos | 2,957.14 |

O - Ornamental, shade trees

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|--------------|-------|
| 2,4-D | 2.20 |
| Abamectin | 0.01 |
| Acephate | 23.13 |
| Azadirachtin | 0.02 |
| Azoxystrobin | 0.20 |

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| Bacillus thuringiensis var. kurstaki | 0.56 |
| Bifenazate | 1.32 |
| Bifenthrin | 34.11 |
| Bromoxynil | 2.68 |
| Captan | 1.84 |
| Carbaryl | 29.73 |
| Chlorothalonil | 52.54 |
| Copper hydroxide | 14.67 |
| Diatomaceous earth | 0.00 |
| Diclotophos | 49.70 |
| Dinotefuran | 2.20 |
| Diquat | 9.94 |
| Disulfoton | 0.10 |
| Dithiopyr | 2.50 |
| Fenarimol | 0.34 |
| Glufosinate ammonium | 0.50 |
| Glyphosate | 386.31 |
| Imidacloprid | 133.94 |
| IRON PHOSPHATE | 0.01 |
| Malathion | 5.04 |
| Mancozeb | 562.42 |
| Metalaxyl | 0.52 |
| Methoxychlor | 1.84 |
| Mineral Oil | 1,159.41 |
| Myclobutanil | 36.78 |
| Oryzalin | 4.00 |
| Permethrin | 23.89 |
| Phosmet | 35.00 |
| Piperonyl butoxide | 14.44 |
| Potassium salts of fatty acids | 0.04 |
| Prodiamine | 2.97 |
| Propiconazole | 10.90 |
| Pymetrozine | 0.02 |
| Pyrethrum | 1.45 |
| Pyriproxyfen | 1.15 |
| Rotenone | 0.04 |
| Spinosad | 0.64 |
| Spiromesifen | 0.20 |
| Superior oil | 1,621.04 |
| Tebuconazole | 0.05 |
| Thiophanate | 50.99 |
| Thiram | 4.20 |
| Triclopyr | 4.58 |
| Whole Egg Solids | 3.08 |
| TOTAL O - Ornamental, shade trees | 4,293.22 |

P - Plant propagation, greenhouse, nurseries, Christmas trees

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|-------------------|-------|
| Abamectin | 0.00 |
| Ammonium chloride | 11.67 |
| Azadirachtin | 0.01 |
| Bifenthrin | 0.28 |
| Buprofezin | 0.79 |
| Carboxin | 0.09 |
| Chlorfenapyr | 0.02 |
| Clopyralid | 0.19 |
| Copper sulfate | 0.21 |

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| Diazinon | 0.18 |
| Diphacinone | 0.00 |
| Etoxazole | 0.00 |
| Glyphosate | 81.46 |
| HYDROGEN PEROXIDE | 10.06 |
| Malathion | 1.00 |
| Novaluron | 0.01 |
| Oryzalin | 8.00 |
| Oxyfluorfen | 20.00 |
| Pelargonic Acid | 2.10 |
| Permethrin | 0.40 |
| Potassium salts of fatty acids | 0.98 |
| Prodiamine | 5.20 |
| Pymetrozine | 0.01 |
| Pyridalyl | 0.02 |
| Simazine | 8.48 |
| S-Kiroprene | 0.03 |
| Thiamethoxam | 0.00 |
| Triadimefon | 0.04 |
| Triclopyr | 5.68 |
| Zinc phosphide | 2.00 |
| TOTAL P - Plant propagation, greenhouse, nurseries,Christmas trees | 158.90 |
| Q - Aquatic | |
| Bifenthrin | 0.13 |
| Copper | 0.54 |
| Copper quinolinolate | 1.12 |
| Glyphosate | 8.75 |
| Sodium Tetraborate Decahydrate | 162.39 |
| Tebuconazole | 0.71 |
| TFM | 6,300.00 |
| Triclopyr | 3,597.00 |
| TOTAL Q - Aquatic | 10,070.64 |
| R - Railroad | |
| Glyphosate | 1,155.00 |
| Imazapyr | 64.00 |
| Metsulfuron methyl | 1.06 |
| Sulfometuron methyl | 3.97 |
| TOTAL R - Railroad | 1,224.02 |
| S - General pest control, structural, food processing | |
| 2-Phenethyl Propionate | 1,799.85 |
| Abamectin | 1.32 |
| Amorphous Silica | 2.40 |
| Atrazine | 225.00 |
| Benzene acetate | 1.85 |
| Bifenthrin | 49,200.42 |
| Borax | 5,516.37 |
| Boric acid | 33.06 |
| Brodifacoum | 0.29 |
| Bromadiolone | 0.21 |
| Bromethalin | 0.00 |
| Butyl carbamate | 0.02 |
| Carbendazim | 0.03 |
| Chlorfenapyr | 15.17 |
| Chlorophacinone | 0.00 |

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| Cholecalciferol | 0.02 |
| Cyclopropanecarboxylic acid | 0.25 |
| Cyfluthrin | 43.66 |
| Cypermethrin | 224.46 |
| Debacarb | 0.14 |
| Deltamethrin | 106.60 |
| Diatomaceous earth | 13.00 |
| Dichlorvos | 0.16 |
| Dicrotophos | 7.00 |
| Difethialone | 0.05 |
| Dinotefuran | 0.18 |
| Diphacinone | 2.82 |
| Esfenvalerate | 0.14 |
| fipronil | 11,104.16 |
| Glyphosate | 0.44 |
| Hydramethylnon | 27.47 |
| Hydroprene | 2,775.63 |
| Imidacloprid | 41.98 |
| Indoxacarb | 0.66 |
| Lambdacyhalothrin | 313.47 |
| Metam-sodium | 16,200.78 |
| Methomyl | 0.00 |
| Methoprene | 91.28 |
| MGK-264 | 0.71 |
| Naphthalene | 6.16 |
| Orthoboric Acid | 11.88 |
| Permethrin | 126.78 |
| Phenethyl Propionate | 0.00 |
| Phenothrin | 3.56 |
| Piperonyl butoxide | 69.46 |
| Polybutene | 0.97 |
| Propetamphos | 0.23 |
| Propoxur | 0.08 |
| Pyrethrins | 718.37 |
| Pyrethrum | 13.10 |
| Pyriproxyfen | 4.88 |
| QUARTERNARY AMMONIUM COMPOUNDS | 1.08 |
| RAK *1 | 0.00 |
| Rotenone | 43.80 |
| Sulfur | 24.64 |
| Tebuconazole | 1.33 |
| Tetramethrin | 0.03 |
| Thiamethoxam | 2.25 |
| Thyme Oil | 0.14 |
| Thymol | 3.44 |
| Zinc phosphide | 0.20 |
| TOTAL S - General pest control, structural, food processing | 88,783.43 |

T - Tree Fruits

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|--------------------------------------|-------|
| Acetamiprid | 0.30 |
| Atrazine | 13.35 |
| Bacillus thuringiensis var. kurstaki | 11.03 |
| Bifenthrin | 1.00 |
| Captan | 0.71 |
| Carbaryl | 20.82 |
| Clomazone | 2.50 |

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|------------------------------|--------|
| Copper hydroxide | 8.86 |
| Copper oxychloride | 11.22 |
| Copper sulfate | 2.13 |
| Esfenvalerate | 0.24 |
| Ethalfuralin | 8.00 |
| Ethephon | 1.00 |
| Ethylenebis dithio carbamate | 0.10 |
| Fenarimol | 0.03 |
| Fenpropathrin | 0.90 |
| Glufosinate ammonium | 0.15 |
| Glyphosate | 28.00 |
| Imidacloprid | 0.10 |
| Indoxacarb | 0.86 |
| Kaolin | 204.25 |
| KRESOXIM-METHYL | 0.13 |
| Malathion | 0.01 |
| Mancozeb | 34.50 |
| Manganese | 0.03 |
| Methoxychlor | 0.71 |
| Metolachlor | 16.65 |
| Myclobutanil | 18.79 |
| Naphthaleneacetic acid | 0.09 |
| Paraffinic Oil | 37.22 |
| Permethrin | 0.00 |
| Phosmet | 11.20 |
| Pyrethrins | 0.09 |
| Spinetoram | 0.26 |
| Spinosad | 3.33 |
| Sulfur | 44.80 |
| Superior oil | 84.00 |
| Thiacloprid | 0.56 |
| Trifloxystrobin | 7.17 |
| Zinc - elemental | 0.00 |
| TOTAL T - Tree Fruits | 575.09 |

U - Electrical Utility, substations, pipelines

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|--|----------|
| 2,4-D | 8.25 |
| Aminopyralid | 2.61 |
| Bromacil | 6.30 |
| Chlorsulfuron | 57.10 |
| Dichlobenil | 18.00 |
| Diquat | 9.33 |
| Diuron | 7.68 |
| Fosamine ammonium | 532.04 |
| Glyphosate | 2,118.88 |
| Imazapic | 20.41 |
| Imazapyr | 93.01 |
| Maneb | 5.68 |
| Metsulfuron methyl | 9.44 |
| Sulfometuron methyl | 117.21 |
| Triclopyr | 2,171.00 |
| TOTAL U - Electrical Utility, substations, pipelines | 5,176.93 |

V - Small fruits & vegetables

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|--------------|-------|
| Glyphosate | 20.00 |
| Halosulfuron | 0.75 |

TOTAL V - Small fruits & vegetables 20.75

W - Wood treatment

| | |
|--------------------------------|-----------|
| Bifenthrin | 4.86 |
| Copper | 12.30 |
| Copper naphthenate | 120.66 |
| Copper quinolinolate | 40.51 |
| Cypermethrin | 4.80 |
| Hydramethylnon | 0.17 |
| Imidacloprid | 0.36 |
| Methyl isothiocyanate | 14,150.70 |
| Sodium fluoride | 20.23 |
| Sodium Tetraborate Decahydrate | 5,899.15 |
| Tebuconazole | 25.92 |
| TOTAL W - Wood treatment | 20,279.65 |

X - Field & forage

| | |
|--------------------------|-------|
| 2,4-D | 5.00 |
| Aminopyralid | 0.62 |
| Atrazine | 0.22 |
| CGA-77102 | 0.59 |
| Clethodim | 0.46 |
| Esfenvalerate | 21.56 |
| Glyphosate | 11.50 |
| Imazapyr | 0.87 |
| Mesotrione | 0.01 |
| Pendimethalin | 1.90 |
| Triclopyr | 2.50 |
| Trifluralin | 0.38 |
| TOTAL X - Field & forage | 45.61 |

TOTAL Statewide 404,104.96

GRAND TOTAL 404,104.96