

**Commercial Applicator Pesticide Usage Host Group Summary**  
**Pounds of Active Ingredient Statewide**  
**Reporting Year: 2012**

**A - Animal**

Hydroprene	5.46
TOTAL A - Animal	5.46

**B - Birds/bats**

3-Chloro-p-toluidine hydrochloride	5.59
TOTAL B - Birds/bats	5.59

**C - Corn**

2,4-D	230.78
Acetochlor	27,958.90
Atrazine	72,238.63
Bromoxynil	38.00
CGA-77102	11,916.94
Chlorpyrifos	312.00
Clopyralid	103.40
Dicamba	987.50
Flumetsulam	31.88
Glyphosate	25,873.28
Halosulfuron	835.80
Lambdacyhalothrin	607.69
Mesotrione	798.69
Metolachlor	33,688.61
Nicosulfuron	22.05
Paraquat	24.00
Pendimethalin	1,037.89
Primisulfuron methyl	12.04
Prosulfuron	6.34
Rimsulfuron	479.94
Simazine	5,509.33
Thifensulfuron methyl	69.91
Topramezone	0.22
TOTAL C - Corn	182,783.82

**D - Cooling towers**

2,2-Dibromo-3-nitropropionamide	17,637.05
2-Bromo-2-nitropropane-1,3-dol	200.66
2-Methyl-4-isothiazolin-3-one	76.79
5-Chloro-2-methyl-4-isothiazolin-3-one	127.94
ALKYL DIMETHYLBENZYL AMMONIUM CHLORIDE	34.70
Bromine	164.45
Busan 77	215.33
Chlorine	136.76
Chlorine dioxide	0.15
Dazomet	152,420.40
DBNPA	60.47
Glutaraldehyde	41.48
Glyphosate	0.40
Methoprene	0.01
Methylene bithiocyanate	14,787.39
QUARternary AMMONIUM COMPOUNDS	6.64
Sodium Bromide	158.90

Sodium hypochlorite	5,541.90
Sodium O-phenylphenate	5,511.60
Trichloro-s-triazinetriene	1,393.50
TOTAL D - Cooling towers	198,516.49

**E - Golf Course**

2,4-D	438.51
Aluminum tris	461.20
Aminopyralid	0.83
Azoxystrobin	42.35
Bifenthrin	26.23
Boscald	1,149.20
Carfentrazone-ethyl	8.14
Chlorantraniliprole	23.28
Chloroneb	150.05
Chlorothalonil	9,120.35
Chlorpyrifos	4.89
Clopyralid	17.43
Clothianidin	16.08
Copper hydroxide	16.56
Cyfluthrin	0.20
Dicamba	55.26
Dichloro-8-quinolinecarboxylic acid	3.53
Diquat	0.01
Dithiopyr	182.17
Ethephon	624.45
Fenoxaprop-ethyl	0.14
Fludioxonil	109.93
Fluoxastrobin	11.81
Flurprimidol	75.55
Flutoanil	50.40
Glufosinate ammonium	0.99
Glyphosate	61.41
Halofenozide	29.80
HYDROGEN PEROXIDE	1.13
Imidacloprid	129.80
Indoxacarb	173.50
Iprodione	988.69
Isoxaben	7.50
Lambdacyhalothrin	0.34
Mancozeb	1,465.80
MCPA	9.14
MCPP	224.70
Mecoprop	21.32
Mefenoxam	24.00
Mefluidide	2.44
Mesotrione	1.40
Metalaxyl	35.83
Metconazole	13.99
Mineral Oil	6,770.02
Myclobutanil	28.61
Pacllobutrazol	41.27
PCNB	544.69
Propamocarb hydrochloride	270.54
Propiconazole	610.15
Pymetrozine	0.99

Pyraclostrobin	577.32
Quinclorac	37.91
Sethoxydim	0.08
Siduron	67.00
Spinosad	1.50
Sulfentrazone	3.28
Thiamethoxam	2.13
Thiophanate	1,164.17
Triadimefon	160.27
Triclopyr	32.78
Trifloxystrobin	9.96
Trinexapac-ethyl	127.62
Vinclozolin	643.69
TOTAL E - Golf Course	26,874.30

**F - Forestry**

Diquat	0.07
Fosamine ammonium	12.00
Glyphosate	691.34
Imazapyr	0.70
Metsulfuron methyl	0.73
Triclopyr	127.72
TOTAL F - Forestry	832.56

**G - Lawncare**

2,4-D	2,811.91
2,4-Dichlorophenoxyacetic Acid	1,441.65
2,4-DP	7.82
Azoxystrobin	0.12
Bacillus popilliae	0.16
Bifenthrin	45.26
Boric acid	0.06
Bromethalin	0.00
Carfentrazone-ethyl	2.94
Chlorantraniliprole	2.39
Chloroneb	1.96
Chlorothalonil	32.86
Chlorpyrifos	96.00
Clopyralid	5.80
Clothianidin	0.99
Copper hydroxide	5.12
Dicamba	316.91
Dichlobenil	0.20
Dichloro-8-quinolinecarboxylic acid	27.00
Diflufenzopyr-sodium	0.14
Diquat	64.42
Dithiopyr	143.30
Fenoxaprop-ethyl	2.30
Fludioxonil	0.21
Fluroxypyr	1.03
Glyphosate	2,404.19
Halosulfuron	16.73
Imazapic	0.03
Imidacloprid	613.18
Iprodione	2.75
Isoxaben	1.65

Mancozeb	1.67
MCPA	1,083.09
MCPP	521.30
Mecoprop	21.35
Mesotrione	184.24
Metalaxyl	1.09
Methanearsonic acid	0.03
Myclobutanil	76.82
Pelargonic Acid	0.10
Pendimethalin	2.48
Phenothrin	0.00
Prodiamine	51.63
Prometon	60.70
Propiconazole	0.82
Propionic acid	46.58
Quinclorac	48.16
Siduron	11.19
Simazine	4.00
Sulfentrazone	1.05
Tetramethrin	0.00
Thiophanate	6.20
Triadimefon	830.64
Trichlorfon	360.05
Triclopyr	463.45
Trifluralin	6.60
TOTAL G - Lawncare	11,832.32

#### **H - Highway**

Glyphosate	1,880.35
Metsulfuron methyl	36.43
Sulfometuron methyl	135.96
Triclopyr	1.16
TOTAL H - Highway	2,053.90

#### **M - Mosquitos**

Bacillus thuringiensis var. israelensis	108.00
Permethrin	0.72
Phenothrin	91.00
Piperonyl butoxide	91.00
TOTAL M - Mosquitos	290.72

#### **O - Ornamental, shade trees**

Acephate	12.00
Ammonium Salts of Fatty Acids	0.28
Bacillus thuringiensis var. kurstaki	0.03
Bifenthrin	1,059.26
Bromoxynil	20.00
Carbaryl	26.46
Carfentrazone-ethyl	0.10
Chlorothalonil	21,337.33
Copper	0.01
Copper hydroxide	25.37
Copper oxychloride	0.06
Copper sulfate	0.01
Dazomet	56,817.60
Dicrotophos	0.19
Dinotefuran	4.61

Diquat	23.45
Fenoxaprop-ethyl	6.38
Flurprimidol	40.50
Glyphosate	974.04
Imidacloprid	57,587.11
IRON PHOSPHATE	0.09
Isoxaben	1.91
Malathion	2.50
Mancozeb	12.90
Mefenoxam	57.82
Mesotrione	0.36
Mineral Oil	778.87
Myclobutanil	7.88
Oryzalin	0.08
Pendimethalin	7.83
Permethrin	2,129.16
Phosmet	39.20
Phosphoric Acid	15.00
Piperonyl butoxide	148.20
Potassium salts of fatty acids	0.26
Propiconazole	455.11
Pymetrozine	0.03
Pyrethrum	14.82
Pyriproxyfen	78.91
Rotenone	0.04
Spinosad	2.00
Spiromesifen	132.94
Sulfur	1,723.20
Superior oil	299.76
Tebuconazole	0.09
Thiabendazole	111.55
Thiamethoxam	0.03
Thiophanate	3.50
Thiram	1.20
Triclopyr	1.40
Trifloxystrobin	31.28
Trifluralin	7.64
TOTAL O - Ornamental, shade trees	144,000.35

**P - Plant propagation, greenhouse, nurseries, Christmas trees**

Abamectin	0.00
Ancymidol	0.00
Bifenthrin	0.07
Carboxin	0.34
Chlorfenapyr	0.02
Diazinon	0.38
Diphacinone	0.00
Diquat	0.01
Etoxazole	0.00
Etridiazole	0.30
Glyphosate	47.86
HYDROGEN PEROXIDE	0.68
Malathion	1.50
Myclobutanil	0.28
Neem Oil	0.09
Novaluron	0.00

Piperonyl butoxide	0.32
Potassium salts of fatty acids	0.07
Pyrethrins	0.16
Pyridalyl	0.01
Pyriproxyfen	0.00
Simazine	1.50
Spinosad	0.00
Sulfur	534.72
Thiamethoxam	0.01
Thiophanate	0.50
Triadimefon	0.00
Triclopyr	15.74
TOTAL P - Plant propagation, greenhouse, nurseries,Christmas trees	604.56

**Q - Aquatic**

2,4-D	7.20
Bromacil	7.20
Copper	0.18
Copper ethanolamine complex	10.70
Diquat	20.52
Glyphosate	536.56
TFM	69,120.00
Triclopyr	3,186.40
TOTAL Q - Aquatic	72,888.75

**R - Railroad**

Glyphosate	2,607.84
Imazapyr	16.69
Metsulfuron methyl	46.38
Sulfometuron methyl	173.94
TOTAL R - Railroad	2,844.85

**S - General pest control, structural, food processing**

2,4-D	0.08
2-Phenethyl Propionate	0.90
3-phenoxybenzyl-(1RS,3RS,1SR,3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate	0.27
Abamectin	0.01
Amorphous Silica	0.10
Benzene acetate	11.82
Bifenthrin	237.56
Borax	577.86
Boric acid	9.61
Brodifacoum	0.13
Bromadiolone	0.35
Bromethalin	0.01
Chlorfenapyr	30.43
Chlorophacinone	0.01
Cholecalciferol	0.00
Cyfluthrin	86.32
Cypermethrin	178.55
Deltamethrin	100.97
Difethialone	0.28
Dinotefuran	0.03
Diphacinone	0.02
Esfenvalerate	0.15
fipronil	65.24

Hydramethylnon	2.34
Hydroprene	0.85
Imidacloprid	73.46
Indoxacarb	0.89
Lambdacyhalothrin	53.84
MCPPP	0.04
Methomyl	0.00
Methoprene	260.00
MGK-264	2.03
Naphthalene	4.06
Orthoboric Acid	0.25
Permethrin	17.04
Phenethyl Propionate	0.00
Phenothrin	9.87
Piperonyl butoxide	103.46
Propoxur	0.00
Pyrethrins	0.84
Pyrethrum	15.84
Pyriproxyfen	0.23
QUARTERNARY AMMONIUM COMPOUNDS	0.13
RAK *1	0.00
Rotenone	0.08
Spinosad	0.01
Sulfur	16.24
Tetramethrin	0.00
Thiamethoxam	0.00
Thyme Oil	0.13
Zinc phosphide	0.01
TOTAL S - General pest control, structural, food processing	1,862.33

#### **T - Tree Fruits**

Aminoethoxyvinylglycine hydrochloride	4.72
Atrazine	2.67
Bacillus thuringiensis var. kurstaki	5.72
Captan	139.75
Carbaryl	20.00
Chlorantraniliprole	0.18
Chlorothalonil	1.44
Clomazone	1.25
Copper hydroxide	44.17
Diuron	1.20
Esfenvalerate	0.12
Ethalfuralin	4.00
Ethylenebis dithio carbamate	1.31
Fenpropathrin	0.22
Glyphosate	9.80
Indoxacarb	1.26
Kaolin	235.60
KRESOXIM-METHYL	2.11
Lambdacyhalothrin	0.00
Malathion	0.00
Mancozeb	38.25
Manganese	0.34
Methoxychlor	0.16
Metolachlor	3.33
Myclobutanil	1.13

Naphthaleneacetic acid	0.04
Paraffinic Oil	21.85
Paraquat	1.00
Permethrin	12.32
Phosmet	11.20
Spinetoram	3.54
Spinosad	1.33
Streptomycin	0.03
Superior oil	48.00
Thiacloprid	0.50
Thiophanate	0.36
Trifloxystrobin	0.54
Zinc - elemental	6.34
Zinc phosphide	0.16
<b>TOTAL T - Tree Fruits</b>	<b>625.96</b>

**U - Electrical Utility, substations, pipelines**

2,4-D	15.91
Aminopyralid	14.48
Bifenthrin	4.40
Chlorsulfuron	75.76
Copper naphthenate	152.74
Copper quinolinolate	36.67
Cypermethrin	0.42
Dichlobenil	14.85
Fosamine ammonium	881.68
Glyphosate	22,954.58
Imazapyr	117.95
Methyl isothiocyanate	2,665.95
Metsulfuron methyl	7.57
Sodium fluoride	31.08
Sodium Tetraborate Decahydrate	5,340.98
Sulfometuron methyl	154.66
Tebuconazole	23.47
Triclopyr	959.74
<b>TOTAL U - Electrical Utility, substations, pipelines</b>	<b>33,452.90</b>

**V - Small fruits & vegetables**

Azoxystrobin	38.24
Clomazone	341.50
Diquat	30.00
Ethalfuralin	1,092.80
Metam-sodium	3,578.40
Myclobutanil	1.50
Propamocarb hydrochloride	9.81
<b>TOTAL V - Small fruits &amp; vegetables</b>	<b>5,092.25</b>

**W - Wood treatment**

Borax	332.87
Copper	18.72
Diquat	8.95
Hydramethylnon	0.30
Propiconazole	74.71
Triclopyr	0.36
<b>TOTAL W - Wood treatment</b>	<b>435.91</b>

**X - Field & forage**

2,4-D	10.10
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Atrazine	12,769.57
Azoxystrobin	0.54
CGA-77102	696.79
Dicamba	123.08
Esfenvalerate	7.97
Glyphosate	6.37
Halosulfuron	37.97
Lambdacyhalothrin	1,957.00
Mesotrione	93.10
Metolachlor	6,699.81
Nicosulfuron	8.25
Pyrethrins	0.06
Rimsulfuron	149.26
Simazine	4,696.00
Thifensulfuron methyl	31.31
Thifensulfuron-methyl	0.27
Topramezone	0.22
Triclopyr	3.00
TOTAL X - Field & forage	27,290.68
TOTAL Statewide	712,293.71
<b>GRAND TOTAL</b>	<b>712,293.71</b>