

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

**B - Birds/bats**

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**

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

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

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**

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

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**

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

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**

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

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
<b>Q - Aquatic</b>	
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
<b>R - Railroad</b>	
Glyphosate	1,155.00
Imazapyr	64.00
Metsulfuron methyl	1.06
Sulfometuron methyl	3.97
TOTAL R - Railroad	1,224.02
<b>S - General pest control, structural, food processing</b>	
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

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

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

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**

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**

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**