

**Commercial Applicator Pesticide Usage Host Group Summary**  
**Pounds of Active Ingredient Statewide**  
**Reporting Year: 2003**

**B - Birds/bats**

3-Chloro-p-toluidine hydrochloride	0.24
TOTAL B - Birds/bats	0.24

**C - Corn**

2,4-D	144.56
2,4-DB	20.00
Acetochlor	519.04
Alachlor	2,393.11
Atrazine	64,667.81
Bentazon	13.13
Carboxin	0.32
Clopyralid	636.24
Dicamba	751.24
Dimethenamid	2,211.30
EPTC	26.80
Flumetsulam	711.17
Glyphosate	2,638.05
Halosulfuron	60.91
Lambdacyhalothrin	10.59
Mesotrione	908.92
Metolachlor	3,250.55
Nicosulfuron	37.67
Pendimethalin	18,118.25
Permethrin	32.80
Primisulfuron	2.49
Primisulfuron methyl	4.25
Pymetrozine	0.47
Simazine	14,052.20
Sulfosate	415.50
Thifensulfuron-methyl	29.17
TOTAL C - Corn	111,656.53

**D - Cooling towers**

2-Methyl-4-isothiazolin-3-one	11,209.81
Ammonium chloride	41.65
Available Chlorine	2,832.10
Bromine	134.25
Busan 77	3,946.63
Dazomet	112,605.37
DBNPA	17,193.96
Dibromonitripropionamide	2,365.18
Glutaraldehyde	2,880.65
Methylene bithiocyanate	1,632.40
Nabam	18.75
Phosphoric Acid	2.50
Sodium hypochlorite	10,241.33
Sodium O-phenylphenate	96,137.40
TOTAL D - Cooling towers	261,241.97

**E - Golf Course**

2,4-D	587.84
2,4-DP	0.45
Aluminum tris	96.80
Azoxystrobin	79.49
Benzothiazole	5.85
Bifenthrin	2.24
Capsaicin	10.00
Carbaryl	19.00
Chloroneb	1,463.32
Chlorothalonil	10,318.45
Chlorpyrifos	154.58
Clopyralid	2.90
Cyfluthrin	2.96
Deltamethrin	3.84
Dicamba	10.21
Dichloro-8-quinolinecarboxylic acid	2.44
Dithiopyr	109.65
Ethephon	133.40
Ethofumesate	1.62
Fenarimol	3.00
Fenoxaprop-ethyl	2.16
Flutoanil	21.00
Fluvalinate	3.26
Glyphosate	12.18
Halofenozide	32.88
HYDROGEN PEROXIDE	347.56
Imidacloprid	58.75
Iprodione	1,457.43
Lambdacyhalothrin	7.00
Mancozeb	146.40
Manganese	99.50
Mefluidide	2.30
Metaxyl	34.42
Methyl Anthranilate	0.75
Metiram	657.60
Myclobutanil	19.76
Paclobutrazol	31.01
PCNB	9,267.46
Pendimethalin	10.96
Propamocarb hydrochloride	168.60
Propiconazole	112.59
Prosulfuron	0.16
Siduron	0.09
Spinosad	4.75
Thiophanate	1,170.91
Thiram	7.50
Triadimefon	215.25
Trichlorfon	23.25
Trichoderma harzianum	2.76
Tricopyr	5.92
Trifloxystrobin	2.36
Trifluralin	4.00
Trinexapac-ethyl	84.36
Vinclozolin	2,318.00

TOTAL E - Golf Course 29,340.90

**F - Forestry**

Diquat	0.04
Glyphosate	4.70
Triclopyr	8.00
TOTAL F - Forestry	12.74

**G - Lawncare**

2,4-D	1,303.23
2,4-DP	7.60
Acephate	0.80
Azoxystrobin	2.00
Bacillus popilliae	5.80
Benefin (benfluralin)	19.57
Bifenthrin	40.91
Carbaryl	0.50
Carfentrazone-ethyl	0.05
Chloroneb	24.07
Chlorothalonil	571.06
Chlorpyrifos	20.58
Deltamethrin	5.14
Diazinon	4.68
Dicamba	156.47
Dichloro-8-quinolinecarboxylic acid	11.20
Diquat	5.80
Dithiopyr	68.44
Fenarimol	0.20
Fenoxaprop-ethyl	4.40
Fluazifop-butyl	13.50
Glufosinate ammonium	0.50
Glyphosate	873.36
Halofenozide	3.60
Halosulfuron	0.03
HYDROGEN PEROXIDE	5.63
Imidacloprid	98.64
Iprodione	130.05
Lambdacyhalothrin	0.39
MCPA	210.00
Mefluidide	0.80
Metalaxyl	0.28
Metalddehyde	0.00
MSMA	51.00
PCNB	447.91
Pelargonic Acid	11.34
Pendimethalin	1,408.45
Phenothrin	0.06
Prodiamine	113.21
Prometon	2.80
Propiconazole	5.04
Pyrethrum	0.30
Sethoxydim	1.53
Siduron	54.41
Simazine	14.00
Thiophanate	18.37
Triadimefon	2.95

Trichlorfon	759.41
Triclopyr	28.74
Trifloxystrobin	0.50
Trifluralin	112.70
Trinexapac-ethyl	0.40
Zinc phosphide	0.02
<b>TOTAL G - Lawncare</b>	<b>6,622.41</b>

#### **H - Highway**

Fosamine ammonium	30.00
Glyphosate	139.67
Metsulfuron methyl	0.78
Prometon	3.00
Sulfometuron methyl	77.25
Triclopyr	19.50
<b>TOTAL H - Highway</b>	<b>270.20</b>

#### **M - Mosquitos**

Bacillus thuringiensis var. israelensis	252.42
Naled	10.00
Permethrin	17.82
<b>TOTAL M - Mosquitos</b>	<b>280.24</b>

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

2,4-D	0.40
Abamectin	0.08
Acephate	14.14
Azadirachtin	0.00
Bacillus popilliae	2.00
Bacillus thuringiensis var. israelensis	0.06
Bacillus thuringiensis var. kurstaki	3.48
Bifenthrin	11.29
Borax	0.12
Boric acid	3.03
Brodifacoum	0.00
Bromadiolone	0.00
Capsaicin	0.01
Captan	2.78
Carbaryl	5,758.78
Chlorothalonil	6.48
Chlorpyrifos	8.00
Clopyralid	3.00
Copper hydroxide	95.81
Copper oxychloride	16.01
Cyfluthrin	1.23
Cypermethrin	0.40
Deltamethrin	1.58
Diatomaceous earth	0.00
Dichlobenil	2.00
Dicofol	0.24
Dicrotophos	0.87
Difethialone	0.00
Dimethoate	1.06
Diquat	4.35
Disulfoton	1.54
Fenarimol	0.25

Fipronil	0.00
Fluvalinate	0.04
Glyphosate	434.14
Hexythiazox	0.38
Imidacloprid	166.19
Indoxacarb	0.38
IRON PHOSPHATE	0.05
Malathion	167.24
Mancozeb	24.86
Manganese	30.61
Metalaxyl	0.14
Methomyl	0.02
Myclobutanil	5.53
Napropamide	5.00
Oryzalin	18.00
Oxydemeton-methyl	3.00
Oxythioquinox	0.06
Paraffinic Oil	400.44
Pelargonic Acid	9.37
Permethrin	60.19
Phorate	16.80
Piperonyl butoxide	2.33
Potassium Phosphite	8.40
Potassium salts of fatty acids	2.99
Propiconazole	1,377.68
Pyrethrum	0.01
Simazine	8.00
Spinosad	1.45
Sulfur	10.36
Superior oil	1,082.88
Tetramethrin	0.01
Thiabendazole	1.00
Thiophanate	162.28
Triclopyr	0.08
Trifluralin	54.03
TOTAL O - Ornamental, shade trees	9,992.93

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

Abamectin	0.00
Acephate	24.94
Ammonium chloride	10.02
Ancymidol	0.00
Atrazine	6.75
Azadirachtin	0.01
Bacillus thuringiensis var. israelensis	6.00
Bendiocarb	1.33
Benomyl	0.25
Bifenthrin	16.08
Carboxin	3.19
Chlormequat chloride	0.05
Chlorothalonil	10.42
Chlorpyrifos	10.09
Copper	1.00
Cyfluthrin	0.00
Daminozide	20.40
DBNPA	4.40

Diazinon	11.00
Endosulfan	22.51
Fenoxycarb	0.06
Fluvalinate	0.02
Glyphosate	119.03
HYDROGEN PEROXIDE	13.59
Imidacloprid	0.02
Iprodione	6.00
Kinoprene	0.00
Lindane	0.13
Malathion	0.43
Mancozeb	0.80
Metaldehyde	0.40
Naphthaleneacetic acid	0.04
Neem Oil	68.30
Nicotine	0.77
Oryzalin	0.38
Paclobutrazol	0.00
Paraffinic Oil	1.60
PCNB	75.00
Pelargonic Acid	0.55
Piperonyl butoxide	0.25
Potassium salts of fatty acids	3.11
Prodiamine	1.95
Pyrethrum	0.02
Simazine	19.93
S-Kiroprene	0.15
Spinosad	39.01
Superior oil	2.00
Thiophanate	58.99
TOTAL P - Plant propagation, greenhouse, nurseries,Christmas trees	560.96
<b>Q - Aquatic</b>	
Bacillus thuringiensis var. israelensis	0.42
Didecyldimethyl ammonium Chloride	8.04
Diquat	67.14
Fluridone	77.20
Glyphosate	4.98
TOTAL Q - Aquatic	157.77
<b>R - Railroad</b>	
Diuron	1,828.00
Glyphosate	3,262.50
Imazapyr	254.80
Sulfometuron methyl	63.94
TOTAL R - Railroad	5,409.24
<b>S - General pest control, structural, food processing</b>	
2-Phenethyl Propionate	0.54
Abamectin	0.03
Acephate	0.12
Allethrin	0.03
Aluminum phosphide	0.48
Bendiocarb	5.82
Bifenthrin	47.15
Borax	339.47

Boric acid	203.30
Brodifacoum	0.32
Bromadiolone	0.10
Bromethalin	0.00
Butyl carbamate	0.04
Carbaryl	0.02
Chlorfenapyr	0.23
Chlorophacinone	0.03
Chlorpyrifos	0.15
Cholecalciferol	0.00
Cyfluthrin	85.44
Cypermethrin	267.29
Deltamethrin	28.27
Diazinon	32.16
Difethialone	0.02
Dimethoate	1,053.40
Diphacinone	0.00
Esfenvalerate	0.58
Eugenol	3.04
Fenoxycarb	0.01
Fipronil	0.53
Glyphosate	2.43
Hexaflumuron	0.18
Hydramethylnon	8.99
Hydroprene	40.71
Lambdacyhalothrin	42.85
Methomyl	0.03
Methoprene	0.30
Methyl bromide	825.00
Naphthalene	1.68
Perfluorooctanesulfonamide	0.05
Permethrin	131.49
Piperonyl butoxide	59.07
Propetamphos	2.31
Propoxur	0.30
Pyrethrum	2.82
Pyriproxyfen	0.06
Resmethrin	2.50
Tetramethrin	0.46
Tralomethrin	0.50
Zinc phosphide	0.50
TOTAL S - General pest control, structural, food processing	3,190.82

**T - Tree Fruits**

2,4-D	2.00
Ammonium Salts of Fatty Acids	0.01
Azinphos-methyl	2.00
Bifenthrin	0.05
Captan	101.22
Carbaryl	15.90
Clofentezine	1.39
Copper hydroxide	4.84
Copper oxychloride	15.03
Dicofol	0.70
Dimethoate	0.06
Fenpropathrin	0.35

Glyphosate	20.00
Kaolin	641.25
KRESOXIM-METHYL	2.28
Mancozeb	38.10
Metiram	1.60
Myclobutanil	0.92
Naphthaleneacetic acid	0.18
Norflurazon	3.54
Oryzalin	4.00
Permethrin	8.13
Phosmet	45.13
Streptomycin	0.34
Sulfur	9.00
Superior oil	135.04
Thiophanate	4.20
Thiram	18.75
Zinc - elemental	9.52
Zinc phosphide	2.30
TOTAL T - Tree Fruits	1,087.83

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

2,4-D	27.64
Chlorsulfuron	0.07
Dicamba	3.12
Dichlobenil	6.59
Diuron	106.69
Fosamine ammonium	1,391.24
Glyphosate	884.38
Imazapyr	234.12
Mefluidide	218.21
Metsulfuron methyl	64.08
Norflurazon	236.41
Sulfometuron methyl	11.16
Triclopyr	2,270.99
TOTAL U - Electrical Utility, substations, pipelines	5,454.70

**V - Small fruits & vegetables**

Atrazine	147.11
Azoxystrobin	4.58
Bendiocarb	0.76
Borax	5.88
Brodifacoum	0.00
Bromadiolone	0.00
Carbaryl	146.04
Chlorothalonil	436.92
Cyfluthrin	0.03
Cypermethrin	3.20
Diazinon	3.00
Dicamba	193.61
Halosulfuron	0.34
Mesotrione	1.24
Permethrin	5.22
Piperonyl butoxide	0.63
Pymetrozine	11.36
TOTAL V - Small fruits & vegetables	959.92



**W - Wood treatment**

Borax	160.91
Copper naphthenate	154.62
Creosote	604.44
Methyl isothiocyanate	5.73
Sodium arsenate	136.80
TOTAL W - Wood treatment	1,062.50

**X - Field & forage**

2,4-D	6.17
Alachlor	785.00
Atrazine	778.73
Carbaryl	17.52
Clomazone	30.00
Dicamba	103.20
Ethalfuralin	120.00
Flumetsulam	50.00
Glyphosate	77.85
Halosulfuron	0.50
Imazethapyr	5.76
Nicosulfuron	6.03
Primisulfuron	11.40
Primisulfuron methyl	57.43
Prometon	4.00
Thifensulfuron-methyl	2.50
Trichlorfon	26.04
TOTAL X - Field & forage	2,082.12

TOTAL Statewide 439,384.03

**GRAND TOTAL 439,384.03**