

**Commercial Applicator Pesticide Usage Host Group Summary**  
**Pounds of Active Ingredient Statewide**  
**Reporting Year: 1999**

**C - Corn**

2,4-D	197.66
2,4-DB	44.56
Acetochlor	1,834.34
Alachlor	2,787.07
Atrazine	92,365.92
Bensulide	30.00
Bentazon	250.88
Bromoxynil	15.75
Carbaryl	175.00
Carboxin	0.02
Chlorpyrifos	172.50
Clomazone	44.00
Clopyralid	515.40
Cyanazine	9,102.38
Cytokinin	0.13
Diazinon	0.29
Dicamba	1,361.07
EPTC	15.08
Ethalfuralin	8.98
Glyphosate	2,313.00
Halosulfuron	63.56
Lambdacyhalothrin	3.00
Maneb	0.72
Metolachlor	24,945.05
Nicosulfuron	15.86
Paraquat	48.75
Pendimethalin	35,371.41
Permethrin	6.30
Primisulfuron	43.13
Primisulfuron methyl	8.97
Sethoxydim	7.00
Simazine	22,485.18
Thifensulfuron-methyl	1.81
TOTAL C - Corn	194,234.76

**D - Cooling towers**

2-Methyl-4-isothiazolin-3-one	7,713.65
Benzisothiazolin	4,795.77
Benzothiazole	16,500.00
Dazomet	484,174.90
Dibromonitripropionamide	84,800.00
Potassium methyldithiocarbamate	22,203.13
Sodium hypochlorite	9,342.64
Sodium O-phenylphenate	33,235.59
TOTAL D - Cooling towers	662,765.67

**E - Golf Course**

2,4-D	320.08
2,4-DP	6.00

Aluminum tris	108.00
Azadirachtin	0.20
Azoxystrobin	29.75
Bendiocarb	35.82
Bensulide	40.29
Bifenthrin	0.76
Carbaryl	79.20
Chloroneb	735.22
Chlorothalonil	8,821.38
Chlorpyrifos	347.56
Cyfluthrin	3.42
Dicamba	19.07
Dithiopyr	19.44
Ethofumesate	35.21
Fenarimol	11.00
Fenoxaprop-ethyl	0.14
Flutoanil	6.04
Fonofos	18.00
Glyphosate	24.18
Halofenozide	57.52
Imidacloprid	69.09
Iprodione	1,054.39
Isofenphos	20.48
Lambdacyhalothrin	6.25
Mancozeb	149.25
Manganese	505.60
Mefenoxam	0.28
Mefluidide	2.40
Metalaxyl	19.59
Methyl Anthranilate	30.75
Metiram	204.00
Paclobutrazol	14.64
PCNB	11,751.92
Pendimethalin	151.00
Propamocarb hydrochloride	76.38
Propiconazole	69.93
Siduron	8.72
Spinosad	3.80
Thiophanate	1,334.96
Thiram	7.50
Triadimefon	199.55
Trichlorfon	55.12
Trichoderma harzianum	11.04
Triclopyr	6.98
Trinexapac-ethyl	46.45
Vinclozolin	278.35
TOTAL E - Golf Course	26,796.69

**G - Lawncare**

2,4-D	2,032.09
Bendiocarb	60.80
Benefin (benfluralin)	68.26
Bensulide	51.00
Bentazon	0.40
Bifenthrin	4.48
Castor Oil	16.50

Chloroneb	17.21
Chlorothalonil	252.72
Chlorpyrifos	1,448.47
Cyfluthrin	0.01
Diazinon	4.07
Dicamba	100.30
Dithiopyr	0.16
Fenoxaprop-ethyl	2.82
Glufosinate ammonium	0.04
Glyphosate	273.67
Halofenozide	17.29
Halosulfuron	0.01
Imidacloprid	32.20
Iprodione	29.00
Isofenphos	4.00
Lambdacyhalothrin	1.86
Malathion	2.03
Methanearsonic acid	0.87
Methoxychlor	2.00
Oryzalin	4.00
PCNB	400.63
Pelargonic Acid	13.65
Pendimethalin	2,803.96
Potassium salts of fatty acids	1.00
Prodiamine	1.22
Prometon	245.00
Propiconazole	3.14
Simazine	0.06
Sodium arsenate	1.28
Sodium dimethyldithiocarbamate	2.29
Thiophanate	19.20
Triadimefon	2.75
Trichlorfon	576.24
Triclopyr	179.99
Trifluralin	9.20
Trinexapac-ethyl	0.75
TOTAL G - Lawncare	8,686.61

#### **H - Highway**

Fosamine ammonium	32.00
Glyphosate	2,138.93
Metsulfuron methyl	20.48
Prometon	26.00
Sulfometuron methyl	112.48
TOTAL H - Highway	2,329.89

#### **M - Mosquitos**

Bacillus thuringiensis var. israelensis	184.12
Cyfluthrin	3.06
Methoxychlor	3.25
TOTAL M - Mosquitos	190.43

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

Abamectin	0.01
Acephate	89.11
Ammonium Salts of Fatty Acids	2.12
Bifenthrin	0.80

Capsaicin	0.00
Captan	50.05
Carbaryl	433.93
Chlorothalonil	61.58
Chlorpyrifos	0.50
Copper	0.26
Cyfluthrin	1.54
Dichlobenil	6.00
Dicofol	18.46
Dicrotophos	0.16
Diflubenzuron	0.13
Diquat	4.00
Disulfoton	0.02
Fenarimol	0.05
Glufosinate ammonium	2.51
Glyphosate	473.29
Imidacloprid	24.39
Lindane	0.39
Malathion	5.47
Mancozeb	35.89
Manganese	20.69
Metaxyl	0.30
Methoxychlor	35.25
Myclobutanil	0.19
Naled	10.80
Oryzalin	22.00
Oxyfluorfen	0.50
Oxytetracycline Calcium	0.00
Oxythioquinox	4.40
Paraffinic Oil	120.00
Pelargonic Acid	1.18
Permethrin	8.65
Phorate	16.80
Phosmet	0.00
Piperonyl butoxide	0.07
Potassium salts of fatty acids	8.67
Propiconazole	2.98
Simazine	6.00
Spinosad	19.49
Sulfur	0.90
Superior oil	738.30
Thiabendazole	0.42
Thiophanate	28.63
Triclopyr	1.23
Trifluralin	1.40
Zinc phosphide	1.50
TOTAL O - Ornamental, shade trees	2,260.98

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

Abamectin	0.00
Acephate	0.37
Aluminum tris	0.12
Ammonium chloride	0.23
Atrazine	10.75
Azadirachtin	0.02
Bacillus thuringiensis var. israelensis	0.21

Beauveria bassiana	0.01
Bendiocarb	0.67
Benomyl	0.09
Capsaicin	0.00
Captan	2.50
Chlormequat chloride	0.38
Chlorothalonil	0.01
Chlorpyrifos	23.72
Copper sulfate	0.00
Cyfluthrin	0.00
Daminozide	0.09
Diazinon	38.36
Dichlobenil	8.00
Dichlorvos	0.33
Diflubenzuron	0.20
Fenaminosulf	0.00
Fenoxycarb	0.00
Fenprothrin	0.15
Fluvalinate	0.01
Glufosinate ammonium	2.50
Glyphosate	74.00
Iprodione	0.00
Kinoprene	0.00
Lindane	0.13
Malathion	0.08
Manganese	0.06
Nicotine	0.72
Oryzalin	20.00
Paraffinic Oil	6.30
PCNB	0.00
Piperonyl butoxide	0.16
Potassium Bicarbonate	0.42
Potassium salts of fatty acids	0.50
Pyrethrum	0.00
Simazine	80.25
Spinosad	0.00
Sulfotep	0.28
Thiophanate	8.50
TOTAL P - Plant propagation, greenhouse, nurseries, Christmas trees	280.11
<b>Q - Aquatic</b>	
Glyphosate	2.38
TOTAL Q - Aquatic	2.38
<b>R - Railroad</b>	
Diuron	1,556.00
Glyphosate	814.50
Imazapyr	16.00
Sulfometuron methyl	98.58
TOTAL R - Railroad	2,485.08
<b>S - General pest control, structural, food processing</b>	
Abamectin	0.19
Acephate	10.82
Allethrin	0.32
Bendiocarb	88.39
Bifenthrin	0.28

Borax	1,146.68
Boric acid	62.12
Brodifacoum	0.43
Bromadiolone	0.06
Bromethalin	0.01
Carbaryl	0.01
Chlorophacinone	0.09
Chlorpyrifos	205.77
Cholecalciferol	0.00
Cyfluthrin	119.12
Cypermethrin	296.12
Deltamethrin	4.90
Diazinon	106.29
Difethialone	0.00
Dimethoate	159.56
Diphacinone	0.01
Esfenvalerate	0.44
Eugenol	0.24
Fipronil	0.04
Glyphosate	75.52
Hexaflumuron	0.01
Hydramethylnon	4.99
Hydroprene	8.22
Lambdacyhalothrin	283.26
Metam-sodium	73.14
Methomyl	0.11
Methoprene	0.10
Naphthalene	3.43
Perfluorooctanesulfonamide	0.15
Permethrin	125.86
Phosphoric Acid	0.01
Piperonyl butoxide	36.78
Polybutene	6.24
Propetamphos	10.66
Propoxur	0.71
Pyrethrum	6.11
Pyriproxyfen	0.26
Sulfuramid	0.00
Tetrachlorvinphos	49.72
Tetramethrin	0.00
Tralomethrin	2.96
Trichlorfon	23.78
Zinc phosphide	0.08
TOTAL S - General pest control, structural, food processing	2,914.00

**T - Tree Fruits**

Boric acid	0.03
Captan	262.65
Carbaryl	9.32
Clofentezine	0.09
Copper oxychloride	36.83
Dodine	6.50
Ethephon	0.59
Fenarimol	0.08
Glyphosate	33.00
Lindane	0.03

Mancozeb	10.50
Manganese	12.45
Metiram	1.60
Myclobutanil	2.43
Naphthaleneacetic acid	0.00
Paraffinic Oil	300.00
Permethrin	12.13
Phorate	23.10
Phosmet	106.96
Pyrethrum	0.00
Simazine	15.00
Superior oil	660.78
Thiophanate	5.60
Zinc - elemental	8.68
Zinc phosphide	4.00
Ziram	19.50
TOTAL T - Tree Fruits	1,531.85

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

2,4-D	6.35
Diuron	273.59
Fosamine ammonium	1,690.40
Glufosinate ammonium	2.25
Glyphosate	2,814.64
Imazapyr	30.34
Metsulfuron methyl	1.26
Norflurazon	50.01
Sulfometuron methyl	9.59
Triclopyr	1,953.86
TOTAL U - Electrical Utility, substations, pipelines	6,832.29

**V - Small fruits & vegetables**

Alachlor	33.00
Chlorothalonil	389.40
Clomazone	180.80
Copper hydroxide	13.45
Diquat	5.00
Ethalfuralin	7.05
Permethrin	0.25
Rimsulfuron	0.03
TOTAL V - Small fruits & vegetables	628.98

**W - Wood treatment**

2,4-D	1.00
Acephate	0.84
Allethrin	0.04
Bendiocarb	0.02
Borax	11.51
Boric acid	0.38
Bromadiolone	0.00
Copper naphthenate	5.78
Creosote	2,255.20
Cyfluthrin	0.19
Glyphosate	24.00
Lambdacyhalothrin	1.60
Metam-sodium	85.86
Methoprene	0.01

Methyl isothiocyanate	231.05
Pyrethrum	0.00
Sodium arsenate	159.60
TOTAL W - Wood treatment	2,777.07

**X - Field & forage**

2,4-D	132.35
2,4-DB	4.58
Acetochlor	664.00
Alachlor	631.78
Atrazine	5,843.73
Cyanazine	829.08
Cyfluthrin	13.67
Dicamba	53.07
Dimethoate	222.00
Flumetsulam	0.07
Glyphosate	1,497.00
Halosulfuron	0.29
Lambdacyhalothrin	8.65
Metolachlor	1,006.70
Metribuzin	55.31
Nicosulfuron	0.19
Paraquat	45.00
Pendimethalin	3,889.20
Primisulfuron	0.29
Prometon	2.45
Simazine	646.20
Sulfosate	60.00
TOTAL X - Field & forage	15,605.61

TOTAL Statewide 930,322.41

GRAND TOTAL 930,322.41