

## Pesticide Use Report—Fiscal Year 1999

<u>Pesticide Common Name</u>	<u>Treatment Purpose</u>	<u>Treated</u>	<u>Units</u>	<u>Amount</u>	<u>Measure</u>
<i>Fungicides and Fumigants:</i>					
Basamid	Soil Fumigation	8	Acres	33.0	lbs
Benomyl	Nursery Disease Control	25	Acres	48.4	lbs
Borax	Disease Control	1,773	Acres	2,659.0	lbs
Borax	Fungus Control	31,992	Acres	35,715.0	lbs
Borax	Recreation Improvement	20	Acres	8.0	lbs
Carboxin/Thiram	Nursery Disease Control	525	Lbs Seed	0.8	lbs
Chloropicrin	Nursery Disease Control	43	Acres	9,495.0	lbs
Chlorothalonil	Disease Control	24	Acres	13.0	lbs
Chlorothalonil	Fungus Control	1,200	Trees	5.0	lbs
Chlorothalonil	Nursery Disease Control	8	Acres	19.3	lbs
Chlorothalonil	Nursery Disease Control	32	Acres	46.0	lbs
Dazomet	Nursery Disease Control	48	Acres	17,450.0	lbs
Dicloran	Nursery Disease Control	2	Acres	1.3	lbs
Dicloran	Nursery Disease Control	1	Cold Fr.	15.1	lbs
Dodine	Nursery Disease Control	5	Acres	8.0	lbs
Iprodione	Nursery Disease Control	2	Acres	0.8	lbs
Metalaxyl	Nursery Disease Control	8	Acres	10.6	lbs
Metalaxyl	Nursery Disease Control	1	Cold Fr.	0.4	lbs
Methyl bromide	Nursery Disease Control	74	Acres	17,112.0	lbs
Methyl bromide	Soil Fumigation	4	Acres	1,059.0	lbs
Propiconazole	Nursery Disease Control	163	Acres	9.3	lbs
Sodium hypochlorite	Fungus Control	1,026,900	Gallons	43.1	lbs
Thiophanate-methyl	Nursery Disease Control	20	Acres	10.5	lbs
Thiophanate-methyl	Nursery Disease Control	1	Cold Fr.	1.8	lbs
Thiram	Nursery Disease Control	0	Acres	2.0	lbs
Thiram	Nursery Disease Control	100	Lbs Seed	4.0	lbs
Triadimefon	Fungus Control	6	Acres	2.0	lbs
Triadimefon	Nursery Disease Control	1	Acres	0.5	lbs
Total 1999 Fungicides and Fumigants		34,529	Acres		
		3	Cold Frames		
		1,026,900	Gallons		
		625	Pounds of Seed		
		1,200	Trees		
				83,772.8	lbs

<b>Pesticide Common Name</b>	<b>Treatment Purpose</b>	<b>Treated</b>	<b>Units</b>	<b>Amount</b>	<b>Measure</b>
<b><i>Herbicides, Algicides, and Plant Growth Regulators:</i></b>					
2,4-D	Agricultural Weed Control	52	Acres	71.0	lbs
2,4-D	Housekeeping/Facilities	8	Acres	1.2	lbs
2,4-D	Noxious Weed Control	10,740	Acres	21,772.6	lbs
2,4-D	Nursery Weed Control	3	Acres	6.0	lbs
Agapeta zoegana	Noxious Weed Control	150	Acres	3,075.0	Insects
Aphthona cyparissiae	Noxious Weed Control	1	Acres	4,000.0	Insects
Aphthona flava	Noxious Weed Control	10	Acres	2,800.0	Insects
Aphthona lacertosa	Noxious Weed Control	5	Acres	15,250.0	Insects
Aphthona nigricutis	Noxious Weed Control	45	Acres	32,000.0	Insects
Aplocera plagiata	Noxious Weed Control	500	Acres	1,050.0	Insects
Brachyterolus spp.	Noxious Weed Control	5	Acres	100.0	Insects
Brachyterolus pulica	Noxious Weed Control	250	Acres	500.0	Insects
Bromacil	Housekeeping/Facilities	5	Acres	17.1	lbs
Bromacil	Noxious Weed Control	100	Acres	44.0	lbs
Cassida rubiginosa	Noxious Weed Control	70	Acres	475.0	Insects
Cetorhynchus litura	Noxious Weed Control	462	Acres	5,000.0	Insects
Ceuterhynchus litura	Noxious Weed Control	10	Acres	50.0	Galls
Chloridazon	Nursery Weed Control	0	Acres	1.0	lbs
Chlorsulfuron	Agricultural Weed Control	34	Acres	2.0	lbs
Chlorsulfuron	Noxious Weed Control	31	Acres	10.7	lbs
Chlosulfuron	Noxious Weed Control	252	Acres	0.0	lbs
Chysolina quadrigem	Noxious Weed Control	500	Acres	1,050.0	lbs
Clopyralid	Noxious Weed Control	4,078	Acres	1,599.4	lbs
Clopyralid	Noxious Weed Control	13	Side Mi.	9.0	lbs
Clopyralid	Recreation Improvement	50	Acres	3.0	lbs
Clopyralid	Site Preparation	115	Acres	28.0	lbs
Copper ethanolamines	Aquatic Weed Control	5	Acres	7.0	lbs
Cyphocleonus achates	Noxious Weed Control	405	Acres	5,065.0	Insects
Cystiphora schmidti	Noxious Weed Control	50	Acres	100.0	Galls
Dicamba	Noxious Weed Control	9,949	Acres	4,054.9	lbs
Dicamba	Nursery Weed Control	12	Acres	12.2	lbs
Diquat dibromide	Aquatic Weed Control	5	Acres	29.0	lbs
Diuron	Housekeeping/Facilities	0	Acres	12.3	lbs
Diuron	Noxious Weed Control	0	Acres	44.0	lbs
Diuron	Right-of-Way Vegetation	40	Acres	192.0	lbs
Eriophyes chondrillae	Noxious Weed Control	50	Acres	100.0	Galls
Ethofumesate	Nursery Weed Control	1	Acres	0.8	lbs
Eustenopus villosus	Noxious Weed Control	65	Acres	1,300.0	Insects
Fosamine ammonium	Noxious Weed Control	22	Acres	140.3	lbs
Fosamine ammonium	Right-of-Way Vegetation	284	Acres	852.8	lbs
Glyphosate	Agricultural Weed Control	10	Acres	57.0	lbs
Glyphosate	Aquatic Weed Control	15	Acres	20.0	lbs
Glyphosate	Conifer and Hardwood Release	420	Acres	687.0	lbs
Glyphosate	Conifer Release	12,660	Acres	30,859.5	lbs
Glyphosate	Hardwood Control	492	Acres	1,666.0	lbs
Glyphosate	Hardwood Release	60	Acres	23.3	lbs

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<i>Herbicides, Algcides, and Plant Growth Regulators: (Continued)</i>					
Glyphosate	Housekeeping/Facilities	116	Acres	158.6	lbs
Glyphosate	Noxious Weed Control	2,246	Acres	1,520.0	lbs
Glyphosate	Noxious Weed Control	2	Side Mi.	28.0	lbs
Glyphosate	Nursery Weed Control	181	Acres	480.2	lbs
Glyphosate	Recreation Improvement	87	Acres	194.0	lbs
Glyphosate	Research	15	Acres	12.8	lbs
Glyphosate	Right-of-Way Vegetation	424	Acres	447.5	lbs
Glyphosate	Seed Orchard Protection	258	Acres	629.6	lbs
Glyphosate	Site Preparation	1,848	Acres	2,702.7	lbs
Glyphosate	Wildlife Habitat Improvement	96	Acres	138.0	lbs
Gymnetron antirrhini	Noxious Weed Control	250	Acres	500.0	Insects
Gymnetron tetrum	Noxious Weed Control	25	Acres	100.0	Insects
Hexazinone	Conifer Release	821	Acres	397.8	lbs
Hexazinone	Housekeeping/Facilities	8	Acres	48.0	lbs
Hexazinone	Noxious Weed Control	18	Acres	18.0	lbs
Hexazinone	Site Preparation	2,163	Acres	7,422.5	lbs
Imazapyr	Conifer and Hardwood Release	1,630	Acres	81.0	lbs
Imazapyr	Conifer Release	1,626	Acres	200.0	lbs
Imazapyr	Noxious Weed Control	2	Acres	1.0	lbs
Imazapyr	Research	131	Acres	24.6	lbs
Imazapyr	Right-of-Way Vegetation	1	Acres	37.0	lbs
Imazapyr	Site Preparation	1,079	Acres	362.2	lbs
Larinus curtrus	Noxious Weed Control	15	Acres	300.0	Insects
Larinus minutus	Noxious Weed Control	570	Acres	8,750.0	Insects
Longitarsus jacobaeae	Noxious Weed Control	15	Acres	50.0	Insects
MCPA	Noxious Weed Control	8	Acres	20.0	lbs
Metsulfuron-methyl	Noxious Weed Control	5,805	Acres	205.5	lbs
Metsulfuron-methyl	Right-of-Way Vegetation	0	Acres	2.0	lbs
Metzneria	Noxious Weed Control	35	Acres	2,400.0	Insects
Oryzalin	Recreation Improvement	1	Acres	3.0	lbs
Oxyfluorfen	Housekeeping/Facilities	0	Acres	5.0	lbs
Oxyfluorfen	Nursery Weed Control	139	Acres	264.9	lbs
Pegohylemyia	Noxious Weed Control	10	Acres	570.0	Insects
Picloram	Agricultural Weed Control	300	Acres	453.1	lbs
Picloram	Noxious Weed Control	49,771	Acres	10,885.3	lbs
Picloram	Seed Orchard Protection	2	Acres	2.0	lbs
Puccinia chondrillina	Noxious Weed Control	50	Acres	100.0	Galls
Rhinocyllus conicus	Noxious Weed Control	40	Acres	4,000.0	Insects
Sethoxydim	Nursery Weed Control	13	Acres	3.8	lbs
Sulfometuron methyl	Conifer and Hardwood Release	1,109	Acres	37.9	lbs
Sulfometuron methyl	Conifer Release	455	Acres	10.6	lbs
Sulfometuron methyl	Seed Orchard Protection	28	Acres	4.8	lbs
Sulfometuron-methyl	Noxious Weed Control	32	Acres	0.1	lbs

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<i>Herbicides, Algicides, and Plant Growth Regulators: (Continued)</i>					
Sulfometuron-methyl	Right-of-Way Vegetation	0	Acres	6.0	lbs
Sulfometuron-methyl	Site Preparation	256	Acres	127.0	lbs
Tebuthiuron	Noxious Weed Control	250	Acres	305.0	lbs
Tebuthiuron	Wildlife Habitat Improvement	1,100	Acres	1,650.0	lbs
Triclopyr	Conifer and Hardwood Release	4,397	Acres	1,658.0	lbs
Triclopyr	Conifer Release	4,721	Acres	3,824.9	lbs
Triclopyr	Hardwood Control	40	Acres	60.0	lbs
Triclopyr	Hardwood Release	2,027	Acres	1,218.4	lbs
Triclopyr	Housekeeping/Facilities	1	Acres	0.5	lbs
Triclopyr	Noxious Weed Control	287	Acres	293.3	lbs
Triclopyr	Research	5	Acres	6.0	lbs
Triclopyr	Right-of-Way Vegetation	707	Acres	1,742.0	lbs
Triclopyr	Seed Orchard Protection	0	Acres	0.4	lbs
Triclopyr	Site Preparation	6,835	Acres	8,020.7	lbs
Triclopyr	Wildlife Habitat Improvement	1,206	Acres	599.0	lbs
Tyria jacobaeae	Noxious Weed Control	15	Acres	1,800.0	Insects
Tyta luctuosa	Noxious Weed Control	0	Acres	100.0	Insects
Urophora species	Noxious Weed Control	105	Acres	3,150.0	Insects
Total 1999 Herbicides, Algicides, and Plant Growth Regulators		135,396	Acres		
		15	Side Miles		
				109,585.7	lbs
				92,335	Insects
				350	Galls

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***Insecticides, Acaricides, and Pheromones:***

Acephate	Insect Suppression	0	Acres	0.4	lbs
Acephate	Nursery Insect Control	784	Ribes	0.2	lbs
Bacillus thuringiensis	Nursery Insect Control	27,000	Square ft.	5.8	lbs
Carbaryl	Insect Suppression	15	Acres	420.0	lbs
Carbaryl	Nursery Insect Control	7	Acres	13.0	lbs
Carbaryl	Seed Orchard Protection	3	Acres	0.5	lbs
Chlordane	Insect Suppression	0	Acres	0.4	lbs
Chlorpyrifos	Insect Eradication	4	Buildings	0.2	lbs
Chlorpyrifos	Nursery Insect Control	24	Acres	24.4	lbs
Cyfluthrin	Insect Eradication	4	Buildings	0.1	lbs
Cypermethrin	Insect Eradication	4	Buildings	0.2	lbs
DDVP	Research	95	Pheromo	0.3	lbs
Diazinon	Housekeeping/Facilities	5	Acres	1.0	lbs
Diazinon	Housekeeping/Facilities	11	Buildings	0.5	lbs
Diazinon	Insect Suppression	570	Acres	12.3	lbs
Diazinon	Nursery Insect Control	8	Acres	17.0	lbs
Diazinon	Vector/Plague Suppression	1,174	Acres	106.0	lbs
Dienochlor	Nursery Insect Control	500	Ribes	0.1	lbs
Dimethoate	Nursery Insect Control	12	Acres	16.0	lbs
Disparlure	Insect Suppression	150	Acres	100.0	lbs
Dormant oil	Insect Eradication	5	Acres	60.0	Gallons
Dursban	Housekeeping/Facilities	11	Buildings	0.4	lbs
Esfenvalerate	Insect Suppression	20	Acres	2.0	lbs
Esfenvalerate	Nursery Insect Control	43	Acres	2.1	lbs
Fenvalerate	Nursery Insect Control	10	Trees	0.3	lbs
Glyphosate	Noxious Weed Control	25	Acres	12.0	lbs
Hydramethylnon	Insect Suppression	18	Acres	12.0	lbs
Hydramethylnon	Recreation Improvement	1	Acres	5.0	lbs
Malathion	Insect Suppression	40	Acres	40.0	lbs
Malathion	Nursery Insect Control	1	Cold Fr.	1.0	lbs
Methylcarbamate	Housekeeping/Facilities	1	Buildings	0.0	lbs
Potassium salts of fatty	Insect Eradication	20	Acres	250.0	Gallons

Total 1999 Insecticides, Acaricides, and Pheromones

2,140	Acres		
1	Cold Frame		
95	Pheromone Traps		
1,284	Ribes Plants		
27,000	Square Feet		
10	Trees		
		793.1	lbs
		310	Gallons

<u>Pesticide Common Name</u>	<u>Treatment Purpose</u>	<u>Treated</u>	<u>Units</u>	<u>Amount</u>	<u>Measure</u>
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*Predacide, Piscicides and Repellents:*

Antimycin A	Fish Eradication	7	Stream	4,320.0	ml
Benzyl-diethyl	Animal Damage Control	0	Acres	5.0	lbs
Putrescent egg solids	Animal Damage Control	9,677	Acres	5,516.5	lbs
Sodium Cyanide	Animal Damage Control	78	Bait St.	.1	lbs
Strychnine	Animal Damage Control	2,988	Acres	5.1	lbs
Thiram	Animal Damage Control	720	Pounds	50.0	lbs
Thymol	Animal Damage Control	68	Acres	2.0	lbs

Total 1999 Predacide, Piscicides and Repellents

12,733	Acres				
78	Bait Stations				
720	Pounds of Seed				
7	Stream Miles				
				5,578.7	lbs
				4,320.0	ml

<b>Pesticide Common Name</b>	<b>Treatment Purpose</b>	<b>Treated</b>	<b>Units</b>	<b>Amount</b>	<b>Measure</b>
<b><i>Rodenticides:</i></b>					
Bromadiolone	Housekeeping/Facilities	23	Buildings	0.1	lbs
Diphacinone	Seed Orchard Protection	35	Acres	0.0	lbs
Diphacinone	Vector/Plague Suppression	20	Acres	1.0	lbs
Strychnine	Animal Damage Control	34,374	Acres	63.8	lbs
Strychnine	Seed Orchard Protection	143	Acres	0.2	lbs
Zinc phosphide	Animal Damage Control	<u>279</u>	<u>Acres</u>	<u>146.0</u>	<u>lbs</u>
Total 1999 Rodenticides		34,851	Acres		
		23	Buildings		
				211.1	lbs
<b>Grand total 1999 pesticide use</b>		<b>219,379</b>	<b>Acres</b>		
		<b>78</b>	<b>Bait Stations</b>		
		<b>58</b>	<b>Buildings</b>		
		<b>4</b>	<b>Cold Frams</b>		
		<b>1,026,900</b>	<b>Gallons</b>		
		<b>95</b>	<b>Pheromone Traps</b>		
		<b>1,345</b>	<b>Pounds of Seed</b>		
		<b>1,284</b>	<b>Ribes Plants</b>		
		<b>15</b>	<b>Side Miles, Roadsides</b>		
		<b>7</b>	<b>Stream Miles</b>		
		<b>1,210</b>	<b>Trees</b>		
				<b>199,941.5</b>	<b>lbs</b>
				<b>92,335</b>	<b>Insects</b>
				<b>350</b>	<b>Galls</b>
				<b>310</b>	<b>Gallons</b>
				<b>4,320</b>	<b>ml</b>