

### 2011 Statewide usage by treatment type

- Animal
- Birds
- Corn,Field & Forage
- Biocides/Disinfectants
- Golf Course
- Forestry
- Lawncare & Ornamentals
- Highway & Railway
- Mosquitoes
- Greenhouse/Nursery
- Aquatic
- General Pest Control
- Utilities and Wood
- Produce Production



## 2011 Use by active ingredient (pounds)

Active ingredients	pounds
(S)-Hydroprene	73.976
(S)-Methoprene	0.779
(Z)-9-Tricosene	0.001
1,3-dichloro-5,5-dimethylhydantoin	44.000
1,3-dichloro-5-ethyl-5-methylhydantoin	24.208
1-bromo-3-chloro-5,5-dimethylhydantoin	82.520
1-Naphthaleneacetic acid	0.078
2,2-Dibromo-3-nitrilopropionamide	18197.480
2,4-D	9460.111
2,4-DP	4.429
2-Bromo-2-nitropropane-1,3-diol	247.940
2-Methyl-4-isothiazolin-3-one	2610.514
2-Phenethyl Propionate	3.670
3-iodo-2-propynyl butylcarbamate	0.250
5-Chloro-2-methyl-4-isothiazolin-3-one	7819.870
Abamectin	0.014
Acephate	34.590
Acetamiprid	1.419
Acetochlor	1940.631
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	16.880
Allethrin	0.037
Aluminum tris	508.800
Aminopyralid	25.303
Ammoniated soap of fatty acids	0.345
Amorphous Silica	10.238
Amorphous Silica Dioxide	1.376
Ancymidol	0.000
Atrazine	76614.836
Aviglycine	0.037
Azadirachtin	0.071
Azoxystrobin	102.402
Bacillus popilliae	0.012
Bacillus pumilus strain	0.276
Bacillus subtilis	0.796
Bacillus thuringiensis	1207.800
Bacillus thuringiensis subsp. Kurstaki	7.894
Barium metaborate	13.250
Bifenazate	2.090
Bifenthrin	373.689
Borax	1148.188
Boric acid	14.727

2011 Use by active ingredient

## 2011 Use by active ingredient (pounds)

Boscalid	124.917
Brodifacoum	0.129
Bromacil	7.056
Bromadiolone	0.223
Bromethalin	0.001
Buprofezin	0.028
Calcium	36.300
Calcium Hypochlorite	130.050
Capsaicin	0.000
Captan	61.757
Carbaryl	95.579
Carfentrazone	9.513
Chlorantraniliprole	28.486
Chlorfenapyr	27.937
Chloroneb	274.220
Chlorophacinone	0.001
Chlorothalonil	20050.837
Chlorpyrifos	22.754
Chlorsulfuron	8.533
Cholecalciferol	0.021
Clomazone	37.180
Clopyralid	133.825
Clothianidin	9.256
Clove oil	4.000
Copper	7.272
Copper 8-quinolinolate	4.601
Copper ethanolamine complex	4.280
Copper Hydroxide	210.927
Copper Naphthenate	317.966
Copper Oxychloride	0.026
Copper Sulfate	0.005
Cydia pomonella granulovirus	0.005
Cyfluthrin	91.516
Cypermethrin	186.351
Cyprodinil	0.703
	919641.15
Dazomet	6
Deltamethrin	77.675
Dicamba	5371.279
Dichlobenil	0.469
Dichlorprop	75.429
Dichlorvos	0.735
Dicrotophos (Bidrin)	0.008

**2011 Use by active ingredient**

### 2011 Use by active ingredient (pounds)

Didecyl dimethyl ammonium chloride	0.040
Difenacoum	0.005
Difethialone	0.072
Diisobutylphenoxyethoxy ethyl dimethyl benzyl ammonium chloride monohydrate	0.350
Dimethenamid	26.100
Dinotefuran	1.296
Diphacinone	0.051
Diquat	19.750
Disodium Octaborate Tetrahydrate	581.389
Dithiopyr	355.258
Diuron	287.377
DRC-1339	0.681
d-trans Allethrin	0.327
Endothall	10.575
Esfenvalerate	9.899
Ethalfuralin	118.976
Ethephon	613.960
Ethylenebisdithiocarbamate ion	29.486
Etofenprox	0.602
Etridiazole	0.600
Extract of Reynoutria sachalinensis	1.271
Fenarimol	0.016
Fenbutatin-oxide	0.014
Fenoxaprop-ethyl	2.025
Fenpropathrin	21.825
Fenvalerate	0.230
Fipronil	100.902
Fluazifop-P-butyl	0.030
Fludioxonil	133.617
Flumetsulam	35.884
Flumioxazin	0.597
Fluoxastrobin	15.920
Fluridone	15.532
Fluroxypyr	73.817
Flurprimidol	124.386
Flutolanil	43.400
Fosamine	1642.840
Gamma-cyhalothrin	0.040
Glufosinate-ammonium	1.960
Glutaraldehyde	188.000
Glyphosate	24818.459
Halofenozide	28.300

2011 Use by active ingredient

## 2011 Use by active ingredient (pounds)

Halosulfuron-methyl	177.881
Hydramethylnon	6.248
Hydrogen dioxide	48.865
Hydrogen peroxide	59.403
Imazapic	26.663
Imazapyr	653.134
Imidacloprid	410.483
Indoxacarb	17.159
Iprodione	3199.419
Iron Phosphate	0.001
Isopropyl Alcohol	21.438
Isoxaben	11.500
Kaolin	409.213
kresoxim-methyl	0.263
Lambda-cyhalothrin	144.552
Linalool	4.773
Malathion	6.255
Mancozeb	1003.240
Maneb	560.000
Manganese	7.613
MCPA	785.926
Mecoprop	583.570
Mefenoxam	16.263
Mefluidide	3.760
Mesotrione	604.130
Metaldehyde	0.040
Metconazole	16.775
Methomyl	0.030
methylene bis(thiocyanate)	16314.000
Methylisothiocyanate	1939.224
Metolachlor	81854.987
Metsulfuron methyl	277.058
Mineral oil	10089.555
Monosodium methanearsonate	0.450
Myclobutanil	45.159
N-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	6.000
N-Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	0.361
N-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride	6.000
Naphthalene	2.520
Neem Oil	4.872
Nicosulfuron	288.145
Nithiazine	0.000

## 2011 Use by active ingredient

## 2011 Use by active ingredient (pounds)

N-Octyl bicycloheptene dicarboximide	163.894
Novaluron	0.002
o-Phenylphenol	0.110
Oregano Oil	1.500
Orthoboric Acid	17.318
Oryzalin	24.000
Paclobutrazol	126.854
Paraquat	16.000
Pelargonic acid	0.180
Pendimethalin	4361.710
Penoxsulam	0.146
Pentachloronitrobenzene	348.105
Permethrin	58.469
Peroxyacetic Acid	0.053
Phenothrin	1.658
Phosmet	67.200
Phosphorous acid	117.373
Piperonyl butoxide	208.130
Poly [oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]	903.800
Polyoxorim	1.034
Potassium bicarbonate	0.323
Potassium salts of fatty acids	2.832
Prallethrin	0.037
Primisulfuron-methyl	16.282
Prodiamine	2406.840
Prometon	54.900
Propamocarb hydrochloride	147.960
Propiconazole	1375.571
Propoxur	0.543
Prosulfuron	5.395
Pymetrozine	0.025
Pyraclostrobin	725.261
Pyraflufen ethyl	323.646
Pyrethrins	67.517
Pyriproxyfen	2.796
Quinclorac	233.660
Rimsulfuron	1083.696
Sethoxydim	1.270
Siduron	33.714
Simazine	5210.380
Sodium bromide	872.340
Sodium bromosulfamate	745.200

2011 Use by active ingredient

## 2011 Use by active ingredient (pounds)

Sodium chlorosulfamate	745.200
Sodium Fluoride	61.876
Sodium hypochlorite	10766.975
Sodium Lauryl Sulfate	3.000
	175294.00
Sodium Orthophenylphenate	0
Spinetoram	0.328
Spinosad	1.133
Spiromesifen	0.476
Sulfentrazone	2.738
Sulfometuron methyl	281.811
Sulfur	82.750
Tau-fluvalinate	0.031
Tebuconazole	12.452
Tembotrione	0.392
Tetrakis(hydroxymethyl) phosphonium sulfate	0.550
Tetramethrin	0.003
TFM	1460.860
Thiabendazole Hypophosphite	0.127
Thiacloprid	0.372
Thiamethoxam	1.355
Thifensulfuron methyl	102.946
Thiophanate-methyl	985.406
Thiram	313.200
Thyme oil	0.170
Topramezone	2.351
Triadimefon	1125.981
Trichlorfon	413.129
Trichloro-s-triazinetrione	46.450
Triclopyr	6482.738
Triconazole	4.225
Trifloxystrobin	27.881
Trifluralin	16.000
Triforine	0.046
Trinexapac-ethyl	174.394
Triticonazole	1.980
Uniconazole-P	0.000
Vinclozolin	527.188
Z-9-Tricosene	0.040
Zinc	1.030
Zinc phosphide	3.163
<b>Grand Total</b>	<b>1435233</b>

2011 Use by active ingredient

**2011 Use by active ingredient (pounds)**



2011	_not specified	Addison	Bennington	Caledonia	Chittenden	Essex	Franklin	Grand Isle	Lamoille	Orange	Orleans	Rutland	Washington	Windham	Windsor
<b>Aquatic</b>			<b>6.688</b>						<b>8.664</b>			<b>3865.847</b>	<b>7.056</b>		<b>2</b>
Bromacil													7.056		
Copper			1.818						5.454						
Copper ethanolamine complex			1.07						3.21						
Diquat			3.8												2
Endothall												10.575			
Fluridone												15.532			
TFM												1460.86			
Triclopyr												2378.88			
<b>Biocides/Disinfectants</b>		<b>431.99</b>	<b>6.22</b>	<b>384.78</b>	<b>12565.7639</b>		<b>80585.491</b>		<b>63.045</b>		<b>465.802</b>	<b>1059201.067</b>	<b>840.044</b>	<b>3.15</b>	<b>14.35</b>
1,3-dichloro-5,5-dimethylhydantoin					44.00025										
1,3-dichloro-5-ethyl-5-methylhydantoin					24.20775										
1-bromo-3-chloro-5,5-dimethylhydantoin					82.5195										
2,2-Dibromo-3-nitrilopropionamide					28.98		18146						17.5		5
2-Bromo-2-nitropropane-1,3-diol					247.94										
2-Methyl-4-isothiazolin-3-one		2.6208	1.4742	3.4398	47.2918		3.1122		2.457		2.03112	2545.008	2.26044	0.819	
5-Chloro-2-methyl-4-isothiazolin-3-one		7.4592	4.1958	9.7902	133.0046		8.8578		6.993		5.78088	7635.024	6.43356	2.331	
Dazomet							46052.496					873588.66			
Glutaraldehyde					32		9.625					138.375		8	
Hydrogen peroxide														17.5	
methylene bis(thiocyanate)							16314								
Poly [oxyethylene (dimethyliminio) ethylene (dimethyliminio) ethylene dichloride]				7.65	830.85		11.9						44.05		9.35
Sodium bromide		44.31		174.05	92.07				15.42		251.09		295.4		
Sodium bromosulfamate		166.5		22.5	468		13.5		13.5				61.2		
Sodium chlorosulfamate		166.5		22.5	468		13.5		13.5				61.2		
Sodium hypochlorite		44.6		144.85	10020.45		12.5		11.175		206.9		326.5		
Sodium Orthophenylphenate												175294			
Tetrakis(hydroxymethyl) phosphonium sulfate			0.55												
Trichloro-s-triazinetriene					46.45										
<b>Birds</b>		<b>0.274607</b>		<b>0.012416</b>	<b>0.032689</b>	<b>0.032689</b>	<b>0.09797</b>			<b>0.062565</b>	<b>0.077794</b>	<b>0.016878</b>	<b>0.041031</b>	<b>0.032689</b>	
DRC-1339		0.274607		0.012416	0.032689	0.032689	0.09797			0.062565	0.077794	0.016878	0.041031	0.032689	
<b>Corn, Field &amp; Forage</b>		<b>45028.27113</b>	<b>3591.848666</b>	<b>8307.732808</b>	<b>15233.96634</b>	<b>2670.534026</b>	<b>54528.38121</b>	<b>6699.05</b>	<b>2998.358496</b>	<b>9921.060291</b>	<b>23008.25044</b>	<b>11093.48666</b>	<b>7193.139581</b>	<b>2265.56998</b>	<b>1948.149293</b>
2,4-D		10	165.148	6.84	14.35		62.4512			11.5	0.76	38	172.4692		
Acetochlor		42.266		389.15			1085.25				409.79		14.175		
Aminopyralid		2											5		7.25
Atrazine		19804.5571	1143.6821	2961.662	6069.346	501.4	21985.1875	3128.3475	1136.95	2965.8377	9207.8618	3792.95341	1619.22	1398.265	896.896
Azadirachtin											0.03948				
Azoxystrobin							17.85								
Clopyralid							109.972					3.75			
Dicamba		69.1629	3	444.2381	434.2554	46.5	2122.46335	485.36	96.1	256.52	815.428503	85.347	194.74575	27.1625	22.069
Dimethenamid				26.1											
Esfenvalerate		8.844													
Flumetsulam							34.728					1.15625			
Glyphosate		1054.1281	608.82	503.625	659.2128	570.504	7009.35	255	227.25	875.803	1756.487	746.89165	1971.168	26.0625	152.577
Halosulfuron-methyl		6.80975		11.21775	7.3875	8.75	0.703125		8.75	48.25	42.625	12.6425	28.633125	0.71875	0.6975
Lambda-cyhalothrin		8.79008		9.2		1.9	5.2332			2.82672	11.76				
Mesotrione		184.3085577	7.8449658	22.23015	39.22502184	55.255626	8.29815		0.971376	80.3736769	85.197546	73.7182093	43.7028264	0.1017975	1.66164694
Metolachlor		20177.74472	1566.9255	2366.9424	7925.7056	1303.2464	20805.2125	2678.1525	1468.222	5072.842	9573.6494	4606.13545	2798.0388	643.355	865.51518
Nicosulfuron		148.6934656	0.378		0.0339696		0.478751		3.5	36.055		9.9885276		88.899048	0.117936
Pendimethalin		271.244	38.494	1273.38		36.518				149.872	768.74	1679.904		35.644	
Primisulfuron-methyl				3.424						0.574804	0.022275	11.235		0.692076	0.334268
Prometon		10								20		1			
Propiconazole							20.65								
Prosulfuron				1.136						0.190706		3.7275		0.229614	0.110902
Pyraclostrobin							23.8469								
Quinclorac					0.75				0.75						
Rimsulfuron		117.692992	47.2351	60.205728	59.67425	2.76	447.82653	61.44	26.74992	25.372044	137.75704	19.9077445	31.94608	44.378454	0.75026
Sethoxydim				0.15											
Simazine		3087.15		225.94	22.5	143.1	749.7	90	26.1	372.25	186.3		306.9		

2011	_not specified	Addison	Bennington	Caledonia	Chittenden	Essex	Franklin	Grand Isle	Lamoille	Orange	Orleans	Rutland	Washington	Windham	Windsor	
Tembotrione											0.196		0.196			
Thifensulfuron methyl		17.52802	10.321	2.29168	1.5258		0.6	39.18		3.7652	1.59664	11.8324	7.12942	6.9448	0.06124	0.1696
Topramezone		2.35144														
Triclopyr		5									1					
<b>Forestry</b>		<b>49.44991</b>	<b>87.84279</b>	<b>4.81116</b>	<b>65.312445</b>	<b>10.878</b>	<b>25.375</b>	<b>6.9</b>	<b>1.2</b>	<b>90.15561</b>		<b>31.6544</b>	<b>85.0243</b>	<b>3.2988</b>	<b>288.787</b>	
Aminopyralid			0.004									0.009				
Diquat					0.045625								0.0073	0.0339		
Fosamine		0.72														
Glyphosate		35.345	46.7444	4.589	64.5025	10.878	19	6.9	1.2	38.233		31	85.017	3.2649	246.787	
Imazapyr		2.38491	0.19439	0.22216	0.44432					2.76261		0.5554				
Triclopyr		11	40.9		0.32		6.375			49.16		0.09			42	
<b>General Pest Control</b>	<b>2000.860746</b>		<b>33.59851651</b>		<b>0.02255</b>						<b>2.397088</b>	<b>16.3697325</b>	<b>83.95174</b>	<b>14.7298</b>	<b>0.07625</b>	
(S)-Hydroprene	73.7485332										0.002718	0.225				
(S)-Methoprene	0.740213										0.00527	0.033995				
(Z)-9-Tricosene	0.00147															
2-Phenethyl Propionate	3.64887											0.021				
3-iodo-2-propynyl butylcarbamate	0.25															
Abamectin	0.013179375										0.000216					
Acetamiprid	0.2879891															
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride													16.88			
Amorphous Silica	8.96556										1.272					
Amorphous Silica Dioxide	1.296136													0.08		
Barium metaborate	13.25															
Bifenthrin	251.8444675											0.667	1.53334			
Borax	2.593062															
Boric acid	12.4															
Brodifacoum	0.115948775		0.002315625												0.0105	
Bromadiolone	0.212360815											0.00005		0.0045	0.00625	
Bromethalin	0.000756															
Chlorfenapyr	27.90742															
Chlorophacinone	0.00136															
Cholecalciferol	0.020518575											0.0001875				
Cyfluthrin	78.414566		7.2								0.2271	0.05	0.1041		0.02	
Cypermethrin	173.1788												12.4			
Deltamethrin	77.6745416															
Dichlorvos	0.7347															
Didecyl dimethyl ammonium chloride	0.04047															
Difenacoum	0.000003125															0.0045
Difethialone	0.071608475											0.0002	0.0005			
Diisobutylphenoxyethoxy ethyl dimethyl benzyl ammonium chloride monohydrate	0.35															
Dinotefuran	0.449215															
Diphacinone	0.0499516														0.0008	
Disodium Octaborate Tetrahydrate	526.72378		9.8													
d-trans Allethrin	0.327402															
Esfenvalerate	0.93116															
Etofenprox	0.602															
Fenvalerate	0.20682				0.0055								0.018			
Fipronil	97.48217241		0.00000088								0.000014		0.5	2.92		
Glyphosate	16															
Hydramethylnon	6.224594										0.0036			0.02		
Hydrogen peroxide	0.23												41.6725			
Imidacloprid	50.54330493										0.0126					
Indoxacarb	0.16563915										0.0024					
Isopropyl Alcohol	21.43845															
Lambda-cyhalothrin	85.471456		0.97												11.64	
Linalool	4.773															
Methomyl	0.03															
N-Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	0.36098															
Naphthalene	2.17												0.35			











2011	_not specified	Addison	Bennington	Caledonia	Chittenden	Essex	Franklin	Grand Isle	Lamoille	Orange	Orleans	Rutland	Washington	Windham	Windsor
Chlorsulfuron		0.87	0.2825	0.0275	1.64		0.9425	0.1275	0.0975	0.525		1.57	0.3	1.195	0.955
Copper 8-quinolinolate					1.254		0.081					0.1671	0.2208		2.8776
Copper Hydroxide				0.71804					16.9415	0.71804	16.9415				
Copper Naphthenate					109.3655		24.762		6.8		6.8	6.1905	44.36525		119.683
Cypermethrin					0.172								0.19		0.41
Disodium Octaborate Tetrahydrate				22.43256						22.43256					
Diuron					4.8		3.2						9.6		10.4
Fosamine		84.56	232.2	59.2	44.4	1.6				4.16		1064.12		31.88	120
Glyphosate		14.68	311.76	4.52	229.86	100.12	1304.28	92.52	29.6	56.51	65.36	83.6075	59.86	504.92	173.8
Imazapic		2.32	1.54		5.26	0.4	2.6	0.34	1.02	1.7	1	4.18	1.74	2.4	2.1
Imazapyr		0.72	25.5866	2.2	9.38	7.26	571.4	6.14	0.64	0.46	1.76	0.56		9.52	7.52
Imidacloprid					0.022								0.031		
Methylisothiocyanate					467.443		39.188		162.863		162.863	65.572	83.614		957.681
Metsulfuron methyl		1.206	22.98282	1.0605	1.1565	1.899	180.73986	0.24	0.6135	1.383	1.041	1.6245	2.046	2.511	3.816
Pendimethalin					0.66		0.99							7.491	
Propiconazole														354	
Sodium Fluoride					22.2335		5.034					1.2585	9.01925		24.331
Sulfometuron methyl		5.9475	4.620625	4.031875	5.929375	7.12125	5.681875	0.9075	1.843125	2.79375	2.08125	9.074375	7.0575	6.04625	13.4075
Tebuconazole					0.836		0.054					0.1114	0.1472		1.9184
Triclopyr		312.88	258	35.6		0.52	4.3					603.66	160	36.42	60.03
<b>Grand Total</b>	<b>3852.355246</b>	<b>48909.9216</b>	<b>19906.17464</b>	<b>10478.86494</b>	<b>38100.93693</b>	<b>3158.283253</b>	<b>138443.6648</b>	<b>7427.42446</b>	<b>4713.48057</b>	<b>11847.20441</b>	<b>26035.03105</b>	<b>1085758.379</b>	<b>13242.67485</b>	<b>7218.685323</b>	<b>16140.70503</b>