



SUMMARY OF RESTRICTED USE PESTICIDES SOLD IN 2014

(Reported by Pounds of Active Ingredient, by County)*

	<u>Hawaii</u>	<u>Kauai</u>	<u>Maui</u>	<u>Oahu</u>	<u>Statewide</u>
January					
abamectin			0.150	4.350	4.500
alachlor			20.000		20.000
atrazine		132.300	9,147.400		9,279.700
bifenthrin		0.660	12.540	10.660	23.860
bromacil				115.200	115.200
chlorantraniliprole	3.340	10.020	3.758	35.070	52.188
chlorine	9,552.000		17,711.000	2,388.000	29,651.000
chlorpyrifos	247.138	450.600	75.100	244.075	1,016.913
diazinon			30.000		30.000
emamectin benzoate			0.060	0.688	0.748
esfenvalerate	3.300	5.280	7.920	32.340	48.840
hexazinone			960.000	144.000	1,104.000
lambda-cyhalothrin	10.400	5.004	2.080	28.640	46.124
magnesium phosphide				26.320	26.320
mesotrione			4.980		4.980
methomyl	6.000	36.000	12.000	251.400	305.400
methyl bromide				2,160.000	2,160.000
naled				172.500	172.500
oxamyl	10.000			110.000	120.000
paraquat dichloride	305.000	50.000	30.000	1,455.000	1,840.000
permethrin	12.800	25.600	37.100	41.200	116.700
pronamide	15.000				15.000
zeta-cypermethrin		6.000		7.500	13.500
s-metolachlor		38.200	49.800		88.000
sodium methylthiocarbamate				35,979.720	35,979.720
sulfuryl fluoride		124.750		374.250	499.000
β-cyfluthrin				12.000	12.000
Total for January	10,164.978	884.414	28,103.888	43,592.913	82,746.192
February					
1,3-dichloropropene			11,820.000	42,350.174	54,170.174
abamectin	0.450			0.900	1.350
aluminum phosphide				3.630	3.630
atrazine			5,792.250		5,792.250
bifenthrin	17.600	6.600	26.400	24.000	74.600
bromacil			38.400		38.400
chlorantraniliprole	1.670		13.360	48.430	63.460
chlorine	7,462.500		9,601.750	11,542.000	28,606.250
chlorpyrifos	199.850	81.350		441.213	722.413
clothianidin	35.520				35.520
cyfluthrin				24.000	24.000
diazinon			60.000		60.000
emamectin benzoate	0.070			6.000	6.070
esfenvalerate			5.280	27.720	33.000
fenpropathrin				9.600	9.600
hexazinone			480.000		480.000
lambda-cyhalothrin	32.080		3.748	13.668	49.496
lamda-cyhalothrin		3.225			3.225
methiocarb	3.000				3.000
methomyl	60.000		6.000	81.450	147.450
naled				127.500	127.500
oxamyl	115.000			100.000	215.000
paraquat dichloride	195.000	20.000		580.000	795.000
permethrin	2.300	25.600		17.400	45.300
picloram	20.000				20.000
S-[2-(Ethylsulfanyl)ethyl] O,O-dimethyl phosphorothioate				60.000	60.000
zeta-cypermethrin				9.400	9.400
sodium methylthiocarbamate	234.300			17,918.120	18,152.420
sulfuryl fluoride			124.750	499.000	623.750
β-cyfluthrin		4.000			4.000
Total for February	8,379.340	140.775	27,971.938	73,884.204	110,376.257

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	<u>Hawaii</u>	<u>Kauai</u>	<u>Maui</u>	<u>Oahu</u>	<u>Statewide</u>
March					
abamectin				1.200	1.200
alachlor				40.000	40.000
atrazine			8,018.700		8,018.700
bifenthrin	40.700	0.660	17.160	74.905	133.425
chlorantraniliprole	2.923		7.098	30.478	40.498
chlorine	11,193.750		21,840.250	11,442.500	44,476.500
chlorpyrifos	57.200	250.325		197.138	504.663
clothianidin	35.520				35.520
cyfluthrin				24.000	24.000
dazomet			3,960.000		3,960.000
diazinon			60.000	800.000	860.000
dichlofop-methyl				3.000	3.000
emamectin benzoate			0.281		0.281
esfenvalerate			10.560	14.520	25.080
fenpropathrin				2.400	2.400
hexakis	6.000				6.000
hexazinone			480.000		480.000
imidacloprid				19.140	19.140
lambda-cyhalothrin			35.360	14.080	49.440
lamda-cyhalothrin		3.225			3.225
mesotrione			4.980		4.980
methomyl	6.000	120.000	18.000	147.600	291.600
methyl bromide				2,160.000	2,160.000
naled				300.000	300.000
oxamyl	10.000			225.000	235.000
paraquat dichloride	390.000	90.000	16.000	1,070.000	1,566.000
permethrin	2.300			36.800	39.100
pronamide	8.250				8.250
S-[2-(Ethylsulfanyl)ethyl] O,O-dimethyl phosphorothioate				60.000	60.000
zeta-cypermethrin		12.000		6.100	18.100
simazine			40.000		40.000
s-metolachlor		114.600	155.100	76.400	346.100
sodium methylthiocarbamate	2,717.880			19,081.180	21,799.060
sulfuryl fluoride			374.250	499.000	873.250
zeta-cypermethrin				3.750	3.750
β-cyfluthrin				1.000	1.000
Total for March	14,470.523	590.810	35,037.739	36,330.190	86,429.261
April					
abamectin	1.500			1.050	2.550
alachlor			40.000	10.000	50.000
atrazine			9,050.250		9,050.250
bifenthrin	10.620		4.027		14.647
bromacil				115.200	115.200
chlorantraniliprole	2.088		10.020	40.080	52.188
chlorine	10,895.250	1,044.750	31,790.250	2,189.000	45,919.250
chlorpyrifos	213.525		18.775	168.975	401.275
diazinon			10.000		10.000
dichlofop-methyl				9.000	9.000
emamectin benzoate			0.734		0.734
esfenvalerate			10.560	25.740	36.300
ethoprop	45.000	45.000			90.000
fenpropathrin				4.800	4.800
hexakis	6.000				6.000
imidacloprid	1.800		1.276		3.076
lambda-cyhalothrin	2.080			14.560	16.640
methiocarb	1.500				1.500
methomyl			6.000	96.000	102.000
naled				360.000	360.000
oxamyl	120.000			370.000	490.000
paraquat dichloride	620.000	120.000		15.000	755.000
permethrin	9.200		79.100	55.200	143.500
zeta-cypermethrin				6.400	6.400
s-metolachlor		114.600	191.000	68.760	374.360
sodium methylthiocarbamate				17,943.440	17,943.440
sulfuryl fluoride		124.750		124.750	249.500
zeta-cypermethrin			0.250		0.250
β-cyfluthrin		12.000			12.000
Total for April	11,928.563	1,461.100	41,212.242	21,617.955	76,219.860

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	<u>Hawaii</u>	<u>Kauai</u>	<u>Maui</u>	<u>Oahu</u>	<u>Statewide</u>
May					
abamectin	1.500		0.150	1.800	3.450
alachlor		20.000		20.000	40.000
aluminum phosphide	10.890		1.815		12.705
atrazine		308.700	3,989.000		4,297.700
bifenthrin	1.820		18.480		20.300
bromacil			115.200	806.400	921.600
chlorantraniliprole		16.700	7.098	58.450	82.248
chlorine	8,059.500	1,044.750	21,392.500	11,492.250	41,989.000
chlorpyrifos	269.850		9.388	93.875	373.113
cyfluthrin				16.000	16.000
dazomet			1,980.000		1,980.000
diazinon				20.000	20.000
dichlofop-methyl				12.000	12.000
emamectin benzoate				20.484	20.484
esfenvalerate				27.060	27.060
ethoprop	4.500				4.500
fenpropathrin				2.400	2.400
hexakis	12.000			12.000	24.000
hexazinone			528.000		528.000
lambda-cyhalothrin	6.240	10.420	4.160	22.560	43.380
magnesium phosphide	26.320				26.320
methomyl	30.000	36.000	30.000	514.950	610.950
methyl bromide				2,160.000	2,160.000
naled			30.000	127.500	157.500
oxamyl	200.000		35.000	365.000	600.000
paraquat dichloride	485.000	30.000		530.000	1,045.000
permethrin	15.100			54.100	69.200
S-[2-(Ethylsulfinyl)ethyl] O,O-dimethyl phosphorothioate				40.000	40.000
zeta-cypermethrin		12.000		4.700	16.700
s-metolachlor		267.400	76.400	76.400	420.200
sodium methyldithiocarbamate	702.900			17,850.600	18,553.500
sulfuryl fluoride				249.500	249.500
β-cyfluthrin				1.000	1.000
Total for May	9,825.620	1,745.970	28,217.190	34,579.029	74,367.809
June					
abamectin	1.200			3.000	4.200
alachlor			20.000	60.000	80.000
atrazine		199.100	3,056.750		3,255.850
bifenthrin	10.900		13.200	27.960	52.060
bromacil			38.400	96.000	134.400
chlorantraniliprole			0.418	5.010	5.428
chlorine	12,238.500	597.000	23,681.000	9,601.750	46,118.250
chlorpyrifos	160.463	37.550	31.290	244.075	473.378
cyfluthrin				36.000	36.000
diazinon			20.000	20.000	40.000
dichlofop-methyl				9.000	9.000
emamectin benzoate				10.680	10.680
esfenvalerate		2.640		27.720	30.360
ethoprop	22.500				22.500
hexakis				24.000	24.000
hexazinone			960.000		960.000
lambda-cyhalothrin	4.160	2.080		18.400	24.640
lamda-cyhalothrin			0.645		0.645
methomyl	18.000	24.000	120.000	613.200	775.200
naled	30.000			300.000	330.000
oxamyl	60.000			200.000	260.000
paraquat dichloride	420.000	60.000	30.000	830.000	1,340.000
permethrin	9.200	12.800	12.800	32.200	67.000
picloram	20.000				20.000
S-[2-(Ethylsulfinyl)ethyl] O,O-dimethyl phosphorothioate				40.000	40.000
zeta-cypermethrin		6.000		16.700	22.700
simazine			20.000		20.000
s-metolachlor		120.000	152.800	38.200	311.000
sodium methyldithiocarbamate	234.300			17,859.040	18,093.340
sulfuryl fluoride			124.750		124.750
β-cyfluthrin			4.000	4.000	8.000
Total for June	13,229.223	1,061.170	28,286.053	30,116.935	72,693.380

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	<u>Hawaii</u>	<u>Kauai</u>	<u>Maui</u>	<u>Oahu</u>	<u>Statewide</u>
July					
1,3-dichloropropene			11,820.000	40,933.300	52,753.300
abamectin	1.200			2.100	3.300
alachlor			60.000		60.000
atrazine			2,009.175		2,009.175
bifenthrin	1.000	1.320	15.840		18.160
bromacil			38.400	38.400	76.800
chlorantraniliprole	3.340		3.340	11.690	18.370
chlorine	10,746.000	1,791.000	14,178.750	11,442.500	38,158.250
chlorpyrifos	76.425		18.775	122.038	217.238
cyfluthrin				2.000	2.000
diazinon				400.000	400.000
dichlofop-methyl			3.000		3.000
emamectin benzoate	0.798			1.365	2.163
esfenvalerate				55.440	55.440
hexakis				24.000	24.000
hexazinone			960.000		960.000
lambda-cyhalothrin	2.080	8.320	2.080	14.560	27.040
mesotrine			1.245		1.245
methiocarb	3.000				3.000
methomyl				200.400	200.400
methyl bromide				7,200.000	7,200.000
naled			7.500	225.000	232.500
oxamyl	50.000	10.000		90.000	150.000
paraquat dichloride	220.000	80.000	10.000	1,920.000	2,230.000
permethrin			17.400	55.500	72.900
zeta-cypermethrin		4.000		22.900	26.900
simazine			20.000		20.000
s-metolachlor			127.050		127.050
sulfuryl fluoride		124.750	124.750	124.750	374.250
Total for July	11,103.843	2,019.390	29,417.305	62,885.942	105,426.480
August					
abamectin	2.400			3.000	5.400
alachlor				20.000	20.000
aluminum phosphide				25.410	25.410
atrazine		224.400	4,981.250		5,205.650
bifenthrin	19.575		2.640	7.203	29.418
bromacil			76.800		76.800
chlorantraniliprole	1.670			35.488	37.158
chlorine	9,253.500	1,194.000	23,830.250	11,542.000	45,819.750
chlorpyrifos	73.650	150.200		131.425	355.275
cyfluthrin				18.000	18.000
diazinon			40.000	80.000	120.000
dichlofop-methyl				3.000	3.000
emamectin benzoate	0.141		0.201	1.522	1.863
esfenvalerate				23.100	23.100
ethoprop	18.000				18.000
hexazinone			960.000		960.000
imidacloprid	6.380			11.484	17.864
lambda-cyhalothrin		8.320		17.586	25.906
magnesium phosphide				26.320	26.320
mesotrine		59.760			59.760
methiocarb	3.000				3.000
methomyl				741.600	741.600
naled				397.500	397.500
oxamyl	60.000		5.000	560.000	625.000
paraquat dichloride	855.000	100.000	5.000	1,195.000	2,155.000
permethrin	4.600			23.800	28.400
S-[2-(Ethylsulfanyl)ethyl] O,O-dimethyl phosphorothioate				10.000	10.000
zeta-cypermethrin		19.600		13.700	33.300
simazine				40.000	40.000
s-metolachlor		597.600		38.200	635.800
sulfuryl fluoride			124.750	124.750	249.500
zeta-cypermethrin	1.250			2.250	3.500
Total for August	10,299.166	2,353.880	30,025.891	15,092.338	57,771.274

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	<u>Hawaii</u>	<u>Kauai</u>	<u>Mau</u>	<u>Oahu</u>	<u>Statewide</u>
September					
abamectin	6.200		0.450	3.750	10.400
alachlor				20.000	20.000
atrazine			4,374.450		4,374.450
bifenthrin	4.680		11.880	24.000	40.560
bromacil			76.800	254.400	331.200
chlorantraniliprole	10.020	13.360	13.360	13.360	50.100
chlorine	8,507.250	1,343.250	16,019.500	11,144.000	37,014.000
chlorpyrifos	616.550		463.115	37.550	1,117.215
cyfluthrin			16.000	18.000	34.000
diazinon			20.000		20.000
emamectin benzoate			0.360	0.605	0.965
esfenvalerate		2.640	15.840	25.080	43.560
ethoprop	75.000				75.000
hexakis	18.500			30.000	48.500
hexazinone			486.000		486.000
imidacloprid	1.800				1.800
lambda-cyhalothrin			18.308	20.480	38.788
lamda-cyhalothrin			0.645		0.645
mesotrione			17.430		17.430
methomyl	6.000			714.300	720.300
naled				217.500	217.500
oxamyl	25.000			195.000	220.000
paraquat dichloride	495.000			1,025.000	1,630.000
permethrin		12.800	51.200	50.100	114.100
S-[2-(Ethylsulfanyl)ethyl] O,O-dimethyl phosphorothioate				50.000	50.000
zeta-cypermethrin			12.000	4.700	16.700
simazine			40.000		40.000
s-metolachlor			250.700	76.400	327.100
sodium methylthiocarbamate	234.300				234.300
sulfuryl fluoride		124.750	124.750	249.500	499.000
tefluthrin		1.500			1.500
β-cyfluthrin				2.000	2.000
Total for September	10,000.300	1,608.300	22,012.788	14,175.725	47,797.113
October					
1,3-dichloropropene			11,820.000	43,824.226	55,644.226
abamectin	1.200		0.750	1.800	3.750
alachlor				20.000	20.000
atrazine		40.000	8,970.250		9,010.250
bifenthrin	5.089		11.880	24.000	40.969
bromacil				806.400	806.400
chlorantraniliprole	3.340	8.350	0.835	48.430	60.955
chlorine	9,999.750	597.000	13,731.000	11,741.000	36,068.750
chlorpyrifos	833.713	18.775		37.550	890.038
cyfluthrin				4.000	4.000
diazinon				360.000	360.000
dichlofop-methyl				18.000	18.000
emamectin benzoate				8.125	8.125
esfenvalerate	0.660	0.660	2.640	31.680	35.640
ethoprop	114.000				114.000
hexakis	13.500				13.500
hexazinone			1,437.000		1,437.000
imidacloprid	8.932				8.932
lambda-cyhalothrin	10.400	4.170	10.400	3.748	28.718
magnesium phosphide				26.320	26.320
methiocarb				9.000	9.000
methomyl			36.000	284.400	320.400
naled				240.000	240.000
oxamyl	10.000		5.000	85.000	100.000
paraquat dichloride	475.000	170.000		50.000	695.000
permethrin	11.500			4.600	16.100
picloram	20.000				20.000
zeta-cypermethrin	6.000	13.600		12.200	31.800
simazine			300.000	20.000	320.000
s-metolachlor		401.100	267.400	114.600	783.100
sodium methylthiocarbamate	937.200				937.200
sulfuryl fluoride		124.750	249.500	249.500	623.750
tefluthrin			27.000		27.000
zeta-cypermethrin	1.750				1.750
Total for October	12,452.034	1,378.405	36,869.655	58,024.579	108,724.673

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November					
abamectin	0.300			1.800	2.100
alachlor			40.000		40.000
atrazine		233.220	2,024.500	100.000	2,357.720
bifenthrin	50.000		6.600	106.908	163.508
bromacil			115.200	172.800	288.000
chlorantraniliprole	5.010	3.340	37.575	45.090	91.015
chlorine	11,193.750	895.500	19,701.000	1,194.000	32,984.250
chlorpyrifos	269.850	18.775	62.575	168.975	520.175
cyfluthrin				48.000	48.000
diazinon			80.000		80.000
diflubenzuron				40.000	40.000
emamectin benzoate				1.308	1.308
esfenvalerate				14.520	14.520
ethoprop	94.500				94.500
hexakis				6.000	6.000
hexazinone			480.000		480.000
imidacloprid				5.104	5.104
lambda-cyhalothrin		18.308		14.560	32.868
lamda-cyhalothrin			3.225		3.225
mesotrione		59.760			59.760
methiocarb				9.000	9.000
methomyl	12.000			201.600	213.600
naled				150.000	150.000
oxamyl	30.000			30.000	60.000
paraquat dichloride	435.000	10.000		235.000	680.000
permethrin			39.400	74.700	114.100
zeta-cypermethrin				9.200	9.200
simazine			140.000	20.000	160.000
s-metolachlor		1,094.200	76.400	229.200	1,399.800
sodium methyldithiocarbamate	2,108.700				2,108.700
sulfuryl fluoride			124.750	124.750	249.500
zeta-cypermethrin				1.000	1.000
Total for November	14,199.110	2,333.103	22,931.225	3,003.515	42,466.953
December					
abamectin	2.100		0.150	4.350	6.600
alachlor				20.000	20.000
atrazine			2,186.500	100.000	2,286.500
bifenthrin	1.320		3.960	98.640	103.920
bromacil			76.800	832.000	908.800
chlorantraniliprole		13.360		60.538	73.898
chlorine	11,940.000			21,193.500	33,133.500
chlorpyrifos	152.425	300.400	78.775	159.588	691.188
cyfluthrin				2.000	2.000
diazinon			50.000	20.000	70.000
emamectin benzoate			0.070	19.810	19.880
esfenvalerate			16.500	42.900	59.400
hexakis	6.000			24.000	30.000
hexazinone			960.000		960.000
lambda-cyhalothrin	10.400	27.040	4.160	60.320	101.920
methomyl	2.400	12.000	6.000	666.600	687.000
naled				210.000	210.000
oxamyl	50.000			320.000	370.000
paraquat dichloride	410.000			565.000	975.000
permethrin	4.600		2.300	85.700	92.600
S-[2-(Ethylsulfanyl)ethyl] O,O-dimethyl phosphorothioate				10.000	10.000
zeta-cypermethrin		18.900		15.200	34.100
simazine				80.000	80.000
s-metolachlor			621.000	191.000	812.000
sulfuryl fluoride				124.750	124.750
tefluthrin			4.500		4.500
β-cyfluthrin				4.000	4.000
Total for December	12,579.245	371.700	4,010.715	24,909.895	41,871.555
TOTAL FOR 2014	138,631.943	15,949.017	334,096.628	418,213.220	906,890.808

* Excludes sales for structural pest control pursuant to exception under Section 149A-31.2(a), HRS