

SUMMARY OF RESTRICTED USE PESTICIDES SOLD\* IN 2019  
(Reported by pounds of active ingredient, by County)

January	Hawaii	Kauai	Maui	Oahu	Statewide
abamectin	2.80		0.88	5.25	8.93
atrazine		450.00	120.00		570.00
bicyclopyrone					0.00
bifenthrin	8.52		33.44		41.97
bromacil				460.80	460.80
chlorantraniliprole		12.53		6.68	19.21
chlorpyrifos				37.55	37.55
cyfluthrin				10.00	10.00
diazinon			20.00	360.00	380.00
emamectin benzoate				1.20	1.20
esfenvalerate		10.56		34.32	44.88
hexakis				8.00	8.00
hexazinone			5.00		5.00
imidacloprid	11.48		58.70		70.18
lambda-cyhalothrin	6.24	22.90	4.16	16.64	49.94
mesotrione					0.00
methomyl			30.00	147.60	177.60
naled				150.00	150.00
oxamyl				245.00	245.00
paraquat dichloride	145.00		10.00	60.00	215.00
permethrin	2.30		32.66	20.70	55.66
s-metolachlor		152.80			152.80
sulfuryl fluoride		249.50	249.50		499.00
zeta-cypermethrin	2.25	6.00	11.50	13.40	33.15
β-cyfluthrin		4.00			4.00
<b>January Total</b>	<b>178.60</b>	<b>908.28</b>	<b>575.83</b>	<b>1577.14</b>	<b>3239.85</b>

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

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(Reported by pounds of active ingredient, by County)

February	Hawaii	Kauai	Maui	Oahu	Statewide
1,3-dichloropropene				41353.85	41353.85
abamectin	1.40		0.18	2.80	4.38
bicyclopyrone					0.00
bifenthrin	1.98			9.32	11.30
chlorantraniliprole				30.06	30.06
chlorpyrifos	3.50				3.50
cyfluthrin				12.00	12.00
emamectin benzoate			0.42	0.60	1.02
esfenvalerate				22.44	22.44
ethoprop	15.00				15.00
hexazinone			10.00	288.00	298.00
imidacloprid			2.55		2.55
lambda-cyhalothrin	24.96			8.32	33.28
mesotrione					0.00
methomyl	18.00		12.00	70.80	100.80
naled				90.00	90.00
oxamyl	30.00			190.00	220.00
paraquat dichloride	254.00			70.00	324.00
permethrin				9.20	9.20
s-metolachlor		38.20			38.20
sulfuryl fluoride			374.25		374.25
zeta-cypermethrin				3.20	3.20
<b>February Total</b>	<b>348.84</b>	<b>38.20</b>	<b>399.40</b>	<b>42160.59</b>	<b>42947.02</b>

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SUMMARY OF RESTRICTED USE PESTICIDES SOLD\* IN 2019  
(Reported by pounds of active ingredient, by County)

March	Hawaii	Kauai	Maui	Oahu	Statewide
1,3-dichloropropene			11820.00		11820.00
abamectin	4.20		0.18	1.40	5.78
bicyclopyrone					0.00
bifenthrin	1.98		4.02	16.00	22.00
chlorantraniliprole	1.67		1.67	65.13	68.47
chlorpyrifos	66.56				66.56
cyfluthrin				20.00	20.00
diazinon			40.00		40.00
emamectin benzoate				8.44	8.44
esfenvalerate				11.22	11.22
fenpropathrin				1.20	1.20
hexakis				12.00	12.00
hexazinone			5.00		5.00
imidacloprid					0.00
lambda-cyhalothrin	32.52		4.16	16.64	53.32
mesotrione					0.00
methomyl	12.00			441.60	453.60
naled			15.00	150.00	165.00
oxamyl	10.00		5.00	405.00	420.00
paraquat dichloride	115.00			530.00	645.00
permethrin				9.20	9.20
picloram	10.00				10.00
sodium methylthiocarbamate				16933.50	16933.50
sulfuryl fluoride		124.75	374.25	124.75	623.75
zeta-cypermethrin			1.36	11.20	12.56
<b>March Total</b>	<b>253.93</b>	<b>124.75</b>	<b>12270.63</b>	<b>18757.28</b>	<b>31406.59</b>

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SUMMARY OF RESTRICTED USE PESTICIDES SOLD\* IN 2019  
(Reported by pounds of active ingredient, by County)

April	Hawaii	Kauai	Maui	Oahu	Statewide
1,3-dichloropropene			39079.88		39079.88
abamectin			2.98	59.85	62.83
atrazine		20.00			20.00
bicyclopyrone		1.20			1.20
bifenthrin	5.35			16.00	21.35
bromacil				72.00	72.00
chlorantraniliprole	5.01			16.70	21.71
chlorine	14925.00				14925.00
chlorpyrifos	41.55				41.55
cyantraniliprole				271.20	271.20
cyfluthrin				4.00	4.00
diazinon			40.00	360.00	400.00
emamectin benzoate			0.18	5.42	5.60
esfenvalerate				28.38	28.38
hexazinone			20.00		20.00
imidacloprid	1.28				1.28
lambda-cyhalothrin	1.67		2.08		3.75
mesotrione		4.80			4.80
methiocarb	1.50				1.50
methomyl			60.00	120.00	180.00
naled				150.00	150.00
oxamyl	10.00			70.00	80.00
paraquat dichloride	155.00	60.00	10.00	530.00	755.00
permethrin		25.60	2.30	25.30	53.20
s-metolachlor		157.40	114.60		272.00
sodium methyldithiocarbamate				1874.40	1874.40
sulfuryl fluoride		124.75	124.75		249.50
zeta-cypermethrin	0.25			6.20	6.45
<b>April Total</b>	<b>15146.60</b>	<b>393.75</b>	<b>39456.76</b>	<b>3609.45</b>	<b>58606.56</b>

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SUMMARY OF RESTRICTED USE PESTICIDES SOLD\* IN 2019  
(Reported by pounds of active ingredient, by County)

May	Hawaii	Kauai	Maui	Oahu	Statewide
1,3-dichloropropene				41334.15	41334.15
abamectin				1.40	1.40
aluminum phosphide		29.70			29.70
atrazine		35.00			35.00
bicyclopyrone		2.10			2.10
bifenthrin		3.42	1.52	42.00	46.94
bromacil				691.20	691.20
chlorantraniliprole	3.34	33.40		28.39	65.13
chlorpyrifos	29.00			37.55	66.55
cyfluthrin		4.00		8.00	12.00
diazinon			40.00	20.00	60.00
emamectin benzoate			0.86	6.83	7.68
esfenvalerate		2.64		7.92	10.56
hexakis				12.00	12.00
imidacloprid					0.00
lambda-cyhalothrin	17.47		4.16	10.40	32.03
mesotrione		8.40			8.40
methiocarb	10.50				10.50
methomyl		240.00	12.00	106.80	358.80
methyl bromide				8640.00	8640.00
naled				240.00	240.00
oxamyl	10.00		5.00	355.00	370.00
paraquat dichloride	250.00		5.00	510.00	765.00
permethrin		25.60	4.60	27.60	57.80
s-metolachlor		151.30			151.30
sodium methyldithiocarbamate	468.60			16933.50	17402.10
sulfuryl fluoride				124.75	124.75
zeta-cypermethrin		4.34	0.29	8.80	13.43
<b>May Total</b>	<b>788.91</b>	<b>539.90</b>	<b>73.42</b>	<b>69146.28</b>	<b>70548.51</b>

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SUMMARY OF RESTRICTED USE PESTICIDES SOLD\* IN 2019  
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June	Hawaii	Kauai	Maui	Oahu	Statewide
abamectin				6.30	6.30
bicyclopyrone					0.00
bifenthrin			1001.32	21.32	1022.64
chlorantraniliprole	3.34	12.53		10.86	26.72
chlorine	14925.00				14925.00
chlorpyrifos	58.08			168.98	227.05
cyfluthrin		16.00			16.00
diazinon			60.00		60.00
diphacinone				0.04	0.04
emamectin benzoate			0.21	0.60	0.81
esfenvalerate				7.26	7.26
ethoprop	480.00				480.00
hexakis	1.50			12.00	13.50
hexazinone			15.00		15.00
imidacloprid					0.00
lambda-cyhalothrin	56.16	6.26		8.33	70.74
mesotrione					0.00
methomyl	12.00		6.00	120.00	138.00
oxamyl	25.00		5.00	560.00	590.00
paraquat dichloride	440.00		-10.00	500.00	930.00
permethrin			2.30	9.20	11.50
s-metolachlor		38.20			38.20
sulfuryl fluoride			124.75		124.75
zeta-cypermethrin		6.40	25.00	3.20	34.60
<b>June Total</b>	<b>16001.08</b>	<b>79.38</b>	<b>1229.58</b>	<b>1428.07</b>	<b>18738.10</b>

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July	Hawaii	Kauai	Maui	Oahu	Statewide
1,3-dichloropropene				41353.55	41353.55
abamectin			0.35	0.18	0.53
bicyclopyrone					0.00
bifenthrin	2.71		1.98	64.00	68.69
bromacil				4.80	4.80
chlorantraniliprole	0.84			68.47	69.31
chlorpyrifos	275.74			46.94	322.68
cyfluthrin				6.00	6.00
emamectin benzoate			0.30	5.07	5.37
esfenvalerate				10.56	10.56
hexakis	1.00			18.00	19.00
hexazinone			15.00	300.00	315.00
imidacloprid	1.28				1.28
lambda-cyhalothrin	2.50		2.08	37.66	42.24
mesotrione					0.00
methomyl			6.00	12.00	18.00
naled				60.00	60.00
oxamyl	50.00			990.00	1040.00
paraquat dichloride	645.00			1500.00	2145.00
permethrin				20.70	20.70
s-metolachlor		76.40			76.40
sulfuryl fluoride		124.75	249.50	124.75	499.00
zeta-cypermethrin	0.25			14.00	14.25
<b>July Total</b>	<b>979.30</b>	<b>201.15</b>	<b>275.21</b>	<b>44636.67</b>	<b>46092.34</b>

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August	Hawaii	Kauai	Maui	Oahu	Statewide
abamectin				1.40	1.40
bicyclopyrone					0.00
bifenthrin	5.94		0.66	0.66	7.26
bromacil				652.80	652.80
chlorantraniliprole	8.35			16.70	25.05
chlorine	25870.00				25870.00
chlorpyrifos	56.33			9.39	65.71
cyfluthrin				14.00	14.00
diazinon			20.00		20.00
emamectin benzoate	0.21		0.06	7.73	8.01
esfenvalerate				15.84	15.84
hexakis				12.00	12.00
hexazinone			15.00		15.00
imidacloprid					0.00
lambda-cyhalothrin	12.70			4.16	16.86
mesotrione					0.00
methomyl			24.00	126.00	150.00
naled	7.50			30.00	37.50
oxamyl	5.00			45.00	50.00
paraquat dichloride	575.00	20.00	0.00	1465.00	2060.00
permethrin	2.30		4.60	29.90	36.80
picloram	10.00				10.00
s-metolachlor			19.10		19.10
sodium methyldithiocarbamate				16933.50	16933.50
sulfuryl fluoride			499.00	249.50	748.50
zeta-cypermethrin				7.20	7.20
β-cyfluthrin				1.00	1.00
<b>August Total</b>	<b>26553.33</b>	<b>20.00</b>	<b>582.42</b>	<b>19621.78</b>	<b>46777.53</b>

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September	Hawaii	Kauai	Maui	Oahu	Statewide
1,3-dichloropropene				41062.88	41062.88
abamectin			4.55	1.40	5.95
bicyclopyrone					0.00
bifenthrin	7.92	0.66	22.91		31.49
bromacil				691.20	691.20
chlorantraniliprole	8.35	6.68		11.69	26.72
chlorpyrifos	56.33				56.33
cyfluthrin				2.00	2.00
diazinon			20.00	380.00	400.00
emamectin benzoate			0.30	12.64	12.94
esfenvalerate		5.28		5.28	10.56
hexakis	2.00			6.00	8.00
hexazinone			15.00		15.00
imidacloprid			5.10		5.10
lambda-cyhalothrin	26.63		2.08		28.71
mesotrione					0.00
methomyl	12.00	12.00	6.75	316.80	347.55
naled				67.50	67.50
oxamyl	30.00		15.00	270.00	315.00
paraquat dichloride	420.00		110.00	110.00	640.00
permethrin			4.60	13.80	18.40
sulfuryl fluoride		124.75			124.75
zeta-cypermethrin	27.20	6.00	6.00	4.00	43.20
β-cyfluthrin			8.00	1.00	9.00
<b>September Total</b>	<b>590.42</b>	<b>155.37</b>	<b>220.29</b>	<b>42956.18</b>	<b>43922.27</b>

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October	Hawaii	Kauai	Maui	Oahu	Statewide
1,3-dichloropropene			11820.00		11820.00
abamectin	1.40		2.45	1.05	4.90
atrazine		47.50			
bicyclopyrone		2.85			2.85
bifenthrin	10.44	18.06	69.15	2.64	100.28
bromacil				2400.00	2400.00
chlolantraniliprole	0.00	13.36		36.74	50.10
chlorine	13731.00				13731.00
chlorpyrifos	56.33				56.33
cyfluthrin				2.00	2.00
diazinon			20.00		20.00
emamectin benzoate			0.55	3.41	3.96
esfenvalerate				22.44	22.44
hexakis	6.00			12.00	18.00
hexazinone			15.00		15.00
imidacloprid	10.21		95.70		105.91
lambda-cyhalothrin	24.96	3.34		0.22	28.52
mesotrione		11.40			11.40
methomyl		204.00	15.75	177.60	397.35
naled			75.00	217.50	292.50
oxamyl	10.00		5.00	930.00	945.00
paraquat dichloride	845.00	40.00	5.00	140.00	1030.00
permethrin		51.20			51.20
s-metolachlor		292.65		38.20	330.85
sodium methyldithiocarbamate	1128.90			33867.00	34995.90
zeta-cypermethrin	2.00	5.58	21.25	7.20	36.03
<b>October Total</b>	<b>15826.23</b>	<b>689.94</b>	<b>12144.84</b>	<b>37858.00</b>	<b>66471.51</b>

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SUMMARY OF RESTRICTED USE PESTICIDES SOLD\* IN 2019  
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<b>November</b>	<b>Hawaii</b>	<b>Kauai</b>	<b>Maui</b>	<b>Oahu</b>	<b>Statewide</b>
abamectin	1.05		-0.18	1.90	2.78
atrazine		112.50			112.50
bicyclopyrone		0.75			0.75
bifenthrin	5.28		2.66		7.94
chlorantraniliprole	3.34	15.03		48.43	66.80
chlorpyrifos	75.10			18.78	93.88
cyantraniliprole				4.18	4.18
cyfluthrin				16.00	16.00
diazinon			20.00	20.00	40.00
emamectin benzoate			0.42	18.08	18.50
esfenvalerate				16.50	16.50
fludioxonil				48.72	48.72
hexakis				12.00	12.00
hexazinone			10.00	600.00	610.00
hydrogen cyanamide			129.00		129.00
imidacloprid					0.00
lambda-cyhalothrin	8.32		4.16	4.16	16.64
mesotrione		3.00			3.00
methomyl				572.40	572.40
naled			7.50	172.50	180.00
oxamyl	5.00				5.00
paraquat dichloride	370.00		365.00	60.00	795.00
permethrin	2.30		2.30		4.60
propiconazole				20.64	20.64
s-metolachlor		26.75	76.40		103.15
sulfuryl fluoride				124.75	124.75
zeta-cypermethrin		25.60		7.90	33.50
<b>November Total</b>	<b>470.39</b>	<b>183.63</b>	<b>617.27</b>	<b>1766.93</b>	<b>3038.21</b>

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December	Hawaii	Kauai	Maui	Oahu	Statewide
abamectin			1.75	0.70	2.45
atrazine		7.50			7.50
bifenthrin	8.85		2.64		11.49
bicyclopyrone		0.45			0.45
chlorantraniliprole	3.34		1.67	53.44	58.45
chlorpyrifos	93.88				93.88
cyantraniliprole				24.10	24.10
diazinon			20.00	720.00	740.00
emamectin benzoate				1.20	1.20
esfenvalerate		3.30		36.96	40.26
ethoprop	180.00				180.00
fludioxonil				0.31	0.31
hexazinone			5.00	192.00	197.00
imidacloprid	5.10				5.10
lambda-cyhalothrin	51.59	8.32	4.16	16.64	80.71
mesotrione		1.80			1.80
methiocarb	3.00				3.00
methomyl			6.75	982.80	989.55
naled				150.00	150.00
oxamyl				1445.00	1445.00
paraquat dichloride	500.00			130.00	630.00
permethrin			2.30	18.40	20.70
s-metolachlor		54.25			54.25
sodium methyldithiocarbamate				16933.50	16933.50
sulfuryl fluoride			249.50	124.75	374.25
zeta-cypermethrin	1.00			15.20	16.20
β-cyfluthrin				1.00	1.00
<b>December Total</b>	<b>846.76</b>	<b>75.62</b>	<b>293.77</b>	<b>20846.00</b>	<b>22062.14</b>

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2019 Total	Hawaii	Kauai	Maui	Oahu	Statewide
1,3-dichloropropene	0.00	0.00	62719.88	165104.42	227824.29
abamectin	10.85	0.00	13.13	83.63	107.60
aluminum phosphide		29.70			29.70
atrazine	0.00	672.50	120.00	0.00	745.00
bicyclopyrone	0.00	7.35	0.00	0.00	7.35
bifenthrin	58.96	22.14	1140.29	171.94	1393.33
bromacil	0.00	0.00	0.00	4972.80	4972.80
chlorantraniliprole	37.58	93.52	3.34	393.29	527.72
chlorine	69451.00	0.00	0.00	0.00	69451.00
chlorpyrifos	812.38	0.00	0.00	319.18	1131.55
cyantraniliprole	0.00	0.00	0.00	299.47	299.47
cyfluthrin	0.00	20.00	0.00	94.00	114.00
diazinon	0.00	0.00	300.00	1860.00	2160.00
diphacinone				0.04	0.04
emamectin benzoate	0.21	0.00	3.29	71.21	74.72
esfenvalerate	0.00	21.78	0.00	219.12	240.90
ethoprop	675.00	0.00	0.00	0.00	675.00
fenpropathrin				1.20	1.20
fludioxonil	0.00	0.00	0.00	49.03	49.03
hexakis	10.50	0.00	0.00	104.00	114.50
hexazinone	0.00	0.00	130.00	1380.00	1510.00
hydrogen cyanamide			129.00		129.00
imidacloprid	29.35	0.00	162.05	0.00	191.40
lambda-cyhalothrin	265.72	40.81	27.04	123.17	456.73
mesotrione	0.00	29.40	0.00	0.00	29.40
methiocarb	15.00	0.00	0.00	0.00	15.00
methomyl	54.00	456.00	179.25	3194.40	3883.65
methyl bromide				8640.00	8640.00
naled	7.50	0.00	97.50	1477.50	1582.50
oxamyl	185.00	0.00	35.00	5505.00	5725.00
paraquat dichloride	4714.00	120.00	495.00	5605.00	10934.00
permethrin	6.90	6.90	6.90	6.90	6.90
picloram	20.00	0.00	0.00	0.00	20.00
propiconazole				20.64	20.64
s-metolachlor	0.00	987.95	210.10	38.20	1236.25
sodium methyldithiocarbamate	1597.50	0.00	0.00	103475.40	105072.90
sulfuryl fluoride	0.00	748.50	2245.50	873.25	3867.25
zeta-cypermethrin	32.95	53.92	65.39	101.50	253.76
β-cyfluthrin	0.00	4.00	8.00	3.00	15.00
<b>2019 Total</b>	<b>77984.39</b>	<b>3314.47</b>	<b>68090.65</b>	<b>304187.27</b>	<b>453508.58</b>

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