



**WASHINGTON'S AGRICULTURAL  
FRUIT CHEMICAL USAGE, 2005**  
NATIONAL AGRICULTURAL STATISTICS SERVICE  
United States Department of Agriculture  
Washington Field Office • Olympia, WA 98507  
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## Raspberries

Two states were surveyed for raspberries in 2005: Oregon and Washington. Surveyed acreage totaled 12,700 bearing acres. Washington was the largest state surveyed for raspberries and accounted for 75 percent of the acreage.

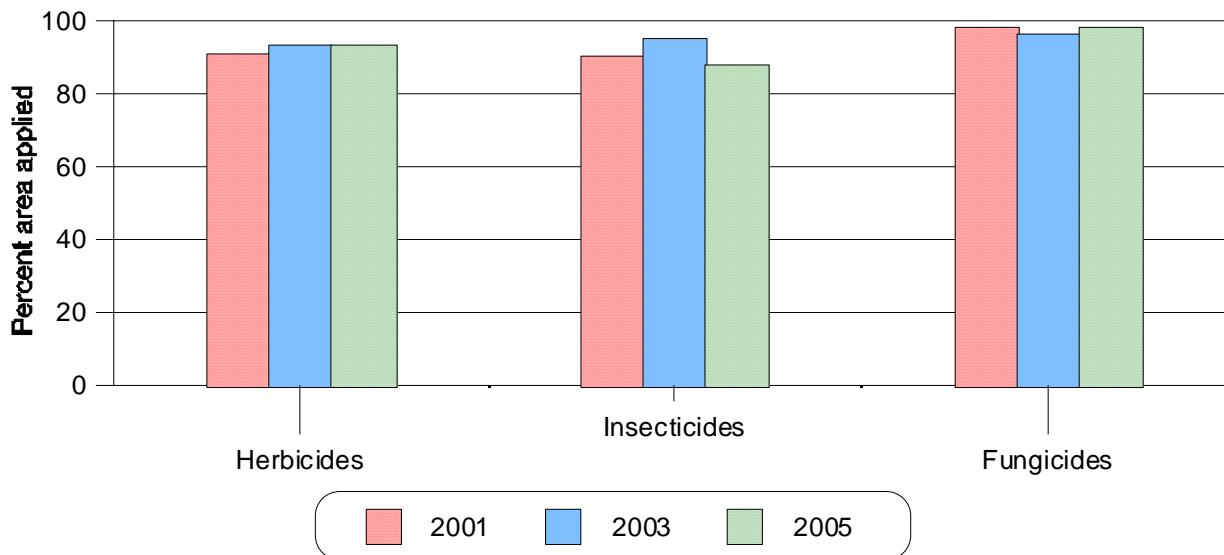
### Raspberries: Pesticide Applications, Bearing Acreage and Percentage Receiving Applications, Major States and Total, 2003 and 2005

State	Bearing Acreage		Area Receiving and Total Applied								
			Herbicide		Insecticide 1/		Fungicide		Other Chemicals		
	2003	2005	2003	2005	2003	2005	2003	2005	2003	2005	
Acres								Percent			
Oregon	2,300	3,200	64	80	55	64	81	76	2/	3	
Washington	9,200	9,500	93	93	95	88	96	98	2/	2/	
<b>TOTAL</b>	<b>11,500</b>	<b>12,700</b>	<b>87</b>	<b>90</b>	<b>87</b>	<b>82</b>	<b>93</b>	<b>93</b>	<b>2/</b>	<b>3</b>	

1/ Total Applied excludes Bt's (*Bacillus thuringiensis*) and other biologicals. Quantities are not available because amounts of active ingredient are not comparable between products.

2/ Insufficient reports to publish data for one or more pesticide classes.

### Raspberries: Ag Chemical Applications, Washington



## Raspberries: Agricultural Chemical Applications, Washington, 2003 and 2005 1/

Active Ingredient 2/	Area Applied		Applications		Rate Per Application		Rate Per Crop Year		Total Applied	
	2003	2005	2003	2005	2003	2005	2003	2005	2003	2005
	Percent		Number		Pounds Per Acre				1,000 Lbs.	
Herbicides:										
Carfentrazone-ethyl	58	41	1.1	1.2	0.02	0.023	0.02	0.028	0.1	0.1
Diuron	39	17	1.0	1.1	0.75	0.772	0.77	0.854	2.8	1.4
Norflurazon	-	6	-	1.0	-	0.999	-	0.999	-	0.5
Oryzalin	13	18	1.0	1.0	1.21	1.226	1.23	1.226	1.5	2.1
Oxyfluorfen	65	42	1.1	1.4	0.09	0.072	0.11	0.102	0.6	0.4
Paraquat	83	81	2.2	1.8	0.36	0.392	0.80	0.694	6.1	5.3
Simazine	44	65	1.0	1.2	0.57	0.700	0.59	0.811	2.4	5.0
Insecticides:										
Bifenthrin	88	80	1.3	1.5	0.10	0.094	0.13	0.142	1.1	1.1
Bt (Bacillus thur.)	40	-	1.7	-	3/	-	3/	-	3/	-
Bt subsp. kurstaki	-	27	-	1.9	-	3/	-	3/	-	**
Diazinon	61	56	1.3	1.3	1.02	1.049	1.41	1.362	7.9	7.3
Malathion	51	52	1.0	1.0	1.14	1.108	1.16	1.120	5.5	5.6
Spinosad	-	7	-	1.1	-	0.083	-	0.088	-	0.1
Fungicides:										
Boscalid	-	59	-	1.1	-	0.018	-	0.021	-	0.1
Calcium polysulfide	56	36	1.0	1.1	7.48	8.194	7.68	8.973	39.6	30.3
Captan	86	89	3.8	3.1	1.37	1.292	5.27	3.962	41.6	33.3
Copper hydroxide	39	40	1.0	1.2	0.85	0.916	0.92	1.092	3.3	4.2
Cyprodinil	92	93	2.0	1.6	0.29	0.269	0.60	0.432	5.1	3.8
Fenhexamid	65	39	1.5	1.4	0.66	0.623	1.02	0.877	6.1	3.2
Fludioxonil	92	93	2.0	1.6	0.19	0.179	0.40	0.288	3.4	2.5
Mefenoxam	26	28	1.0	1.2	0.46	0.424	0.50	0.490	1.2	1.3
Myclobutanil	27	11	1.6	1.0	0.03	0.055	0.06	0.055	0.1	0.1
Pyraclostrobin	-	58	-	1.2	-	0.005	-	0.006	-	**

Note: Data may not multiply across due to rounding. \*\* Total applied is less than 50 lbs.

1/ Bearing acres for Washington in 2003 were 9,200 acres and in 2005 bearing acres were 9,500 acres.

2/ Insufficient reports to publish data for the following agricultural chemicals: 2003; Herbicides: Dichlobenil, Norflurazon, Sethoxydim.

2003; Insecticides: Azadirachtin, Azinphos-methyl, Fenamiphos, Fenbutatin-oxide, Hexythiazox, Petroleum distillate, Pyrethrins, Rotenone.

2003; Fungicides: Benomyl, Copper sulfate, Iprodione, Pyraclostrobin, Sulfur. 2003; Other Chemicals: Metaldehyde, Monocarbamide dihyd.

2005; Herbicides: Dichlobenil, Fluazifop-P-butyl, Isoxaben. 2005; Insecticide: Azadirachtin, Fenamiphos, Fenbutatin-oxide, Hexythiazox, Petroleum distillate, Piperonyl butoxide, Pyrethrins, Rotenone. 2005; Fungicides: Azoxystrobin, Copper sulfate, Fosetyl-al, Iprodione, Mancozeb, Sulfur, Vinclozolin. 2005; Other Chemicals: Cytokinins, Metaldehyde.

3/ Rate per acre is less than 0.0005 lbs.

