

Pennsylvania<sup>1</sup> and Program States<sup>2</sup>: Apples – Agricultural Chemical Applications, 2007

Active Ingredient	Area Applied		Applications		Rate per Application		Rate per Crop Year		Total Applied	
	PA	US <sup>2</sup>	PA	US <sup>2</sup>	PA	US <sup>2</sup>	PA	US <sup>2</sup>	PA	US <sup>2</sup>
	Percent		Number		Pounds per Acre				1,000 lbs.	
<b>Herbicides</b>										
2,4-D dimeth. salt	15	8	1.1	1.3	1.120	0.977	1.260	1.280	4.1	29.7
Diuron	9	6	1.2	1.1	1.682	1.484	2.059	1.688	3.9	31.0
Glyphosate iso. salt	26	45	1.2	1.6	1.219	1.193	1.504	1.925	8.3	250.5
Paraquat	22	12	1.1	1.2	0.818	1.194	0.908	1.440	4.2	49.7
Pendimethalin	9	3	1.0	1.4	1.771	1.443	1.858	2.055	3.4	16.9
Simazine	11	10	1.2	1.3	1.710	1.421	1.989	1.843	4.7	52.1
Terbacil	2	1	1.0	1.0	0.603	0.826	0.603	0.826	0.2	2.0
<b>Insecticides</b>										
Abamectin	12	2	1.4	1.2	0.008	0.010	0.011	0.012	3/	0.1
Acetamiprid	29	37	1.6	1.7	0.141	0.147	0.224	0.254	1.4	27.0
Azinphos-methyl	70	62	2.8	2.5	0.433	0.832	1.226	2.045	18.5	363.3
Benzoic acid	54	19	1.9	1.4	0.133	0.197	0.252	0.273	2.9	15.2
Bt subsp. kurstaki	2	10	1.8	1.8	4/	4/	0.273	0.273	4/	4/
Carbaryl	44	52	1.4	1.4	1.005	1.115	1.402	1.566	13.3	233.8
Chlorpyrifos	36	59	1.7	1.2	0.941	1.502	1.567	1.732	12.0	292.2
Cyfluthrin	8	1	1.2	1.1	0.028	0.032	0.032	0.034	0.1	0.1
Diazinon	34	8	1.9	1.4	0.796	1.504	1.504	2.078	11.1	50.1
Endosulfan	2	9	1.2	1.2	2.302	1.458	2.690	1.723	1.2	43.3
Esfenvalerate	26	10	1.8	1.5	0.034	0.044	0.061	0.064	0.3	1.9
Ethion	3	5/	1.8	1.9	0.347	0.220	0.636	0.413	0.3	0.4
Etoxazole	10	3	1.0	1.0	0.050	0.085	0.050	0.088	0.1	0.7
Fenpropathrin	23	12	1.6	1.6	0.175	0.258	0.278	0.402	1.4	14.3
Gamma-cyhalothrin	20	5	1.4	2.0	0.010	0.015	0.014	0.030	0.1	0.4
Imidacloprid	21	25	1.4	1.5	0.036	0.086	0.051	0.128	0.2	9.3
Lambda-cyhalothrin	15	10	2.5	1.5	0.015	0.031	0.038	0.048	0.1	1.4
Methomyl	23	4	2.1	1.8	0.352	0.526	0.747	0.943	3.7	9.5
Novaluron	22	15	1.9	1.5	0.093	0.163	0.178	0.238	0.8	10.6
Petroleum distillate	28	58	1.5	1.8	7.101	17.808	10.610	31.410	64.5	5,281.8
Petroleum oil	12	4	1.4	1.5	19.510	14.180	26.389	20.719	67.2	262.0
Phosmet	39	25	3.3	2.2	1.098	1.609	3.592	3.561	30.3	255.0
Pyridaben	2	7	1.2	1.1	0.216	0.248	0.262	0.262	0.1	5.6
Thiacloprid	10	8	1.6	1.5	0.094	0.167	0.147	0.258	0.3	5.7
<b>Fungicides</b>										
Basic copper sulfate	11	3	1.5	1.2	1.041	1.239	1.542	1.523	3.7	13.3
Boscalid	13	14	1.4	1.4	0.013	0.014	0.018	0.020	0.1	0.8
Captan	80	34	4.8	5.2	1.326	1.988	6.350	10.274	109.1	1,005.5
Chlorothalonil	3	5/	1.0	1.2	0.708	1.303	0.708	1.537	0.4	1.2
Copper hydroxide	5	7	1.4	1.3	1.707	2.617	2.383	3.361	2.6	66.8
Copper oxychloride sulfate	3	2	1.0	1.5	2.534	1.529	2.534	2.264	1.8	13.3
Copper oxychloride	8	2	1.0	1.0	3.477	2.526	3.577	2.626	5.9	13.3
Cyprodinil	15	4	1.4	1.5	0.171	0.183	0.240	0.276	0.8	3.4
Dodine	3	3	1.3	1.5	0.490	0.800	0.659	1.223	0.5	9.4
Fenarimol	5	13	2.4	1.4	0.047	0.067	0.112	0.091	0.1	3.5
Kresoxim-methyl	56	13	1.8	1.7	0.081	0.111	0.148	0.190	1.8	7.0
Mancozeb	68	37	3.6	2.7	1.589	2.676	5.701	7.309	82.5	769.8
Metiram	23	7	3.0	3.1	1.818	2.586	5.533	8.078	26.9	172.7
Myclobutanil	33	36	2.1	1.5	0.115	0.128	0.247	0.191	1.7	19.5
Pyraclostrobin	13	14	1.4	1.4	0.001	0.001	0.001	0.001	3/	3/
Streptomycin	4	9	1.8	1.6	0.145	0.173	0.257	0.273	0.2	6.7
Thiophanate-methyl	60	18	2.7	2.5	0.320	0.375	0.873	0.939	11.2	49.8
Thiram	2	5/	2.9	2.6	5.188	4.592	15.194	11.709	5.0	5.6
Trifloxystrobin	24	20	1.9	1.6	0.051	0.066	0.100	0.103	0.5	6.0
Ziram	30	11	3.0	2.0	2.025	3.009	6.173	6.100	39.8	195.7

See footnote(s) at end of table.

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