

Pennsylvania and Program States ^{1 2 3}: Peaches – Agricultural Chemical Applications, 2011

Active Ingredient	Area Applied		Applications		Rate per Application		Rate per Crop Year		Total Applied	
	PA	US	PA	US	PA	US	PA	US	PA	US
	(percent)		(number)		(pounds per acre)		(pounds per acre)		(1,000 lbs.)	
Fungicides ³										
Basic Copper Sulfate	11	9	1.3	1.1	2.525	6.638	3.346	7.328	1,600	58,700
Boscalid	31	24	2.2	1.2	0.163	0.18	0.353	0.224	500	4,900
Captan	53	23	5.6	3.4	1.327	1.762	7.44	6.07	17,400	125,700
Chlorothalonil	51	26	2.9	1.6	1.325	2.187	3.875	3.495	8,700	82,800
Copper Chloride Hyd.	3	1	1	1.6	4.924	3.044	4.991	4.797	600	2,700
Copper Hydroxide	7	25	4.1	3	0.194	1.737	0.784	5.281	200	124,700
Copper Resinate	4	2	3.8	4.7	0.01	0.014	0.038	0.065	(Z)	100
Cyprodinil	4	6	1	1.3	0.116	0.231	0.118	0.311	(Z)	1,800
Fenbuconazole	46	19	2.4	2.2	0.121	0.085	0.285	0.187	600	3,300
Mancozeb	1	1	1.9	1.1	1.973	0.428	3.829	0.473	200	400
Mono-Potassium Salt	18	1	3.4	3.4	1.078	1.078	3.667	3.667	2,900	2,900
Myclobutanil	36	4	4.3	3	0.076	0.082	0.325	0.244	500	1,000
Oxytetracycline Calc	21	13	3	3	0.22	0.301	0.662	0.915	600	11,200
Propiconazole	12	34	1.4	2.1	0.096	0.113	0.136	0.236	100	7,200
Pyraclostrobin	31	24	2.2	1.2	0.091	0.092	0.201	0.115	300	2,500
Streptomycin Sulfate	1	1	1.3	2.9	0.577	0.331	0.745	0.96	(Z)	1,100
Sulfur	40	56	4.4	3.7	3.868	10.814	17.163	40.128	30,100	2,014,800
Tebuconazole	14	5	2.4	1.6	0.079	0.162	0.193	0.263	100	1,200
Thiophanate-Methyl	9	13	1.8	1.5	0.373	0.604	0.688	0.923	300	10,500
Thiram	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Trifloxystrobin	(D)	3	(D)	3.7	(D)	0.081	(D)	0.296	(D)	700
Ziram	3	13	2.3	1.2	2.96	5.403	6.804	6.494	800	75,000
Herbicides ⁴										
2, 4-D	5	(Z)	1.2	1.2	0.468	0.468	0.564	0.564	100	100
2, 4-D, Dimeth. Salt	8	9	1.1	1.1	0.99	1.052	1.085	1.13	400	9,200
Diuron	1	1	1.4	1.2	1.842	1.35	2.604	1.605	100	1,600
Flumioxazin	2	3	1	1	0.319	0.179	0.319	0.182	(Z)	500
Glyphosate Iso. Salt	5	16	1.3	1.2	1.373	1.001	1.82	1.193	400	17,400
Norflurazon	2	1	1	1	1.85	2.263	1.85	2.302	200	2,400
Oryzalin	5	1	1	1.1	3.218	3.028	3.316	3.291	700	4,100
Paraquat	19	8	1.1	1.2	0.499	0.578	0.563	0.693	500	5,300
Pendimethalin	13	6	1	1.1	2.174	1.897	2.203	2.005	1,300	11,400
Simazine	3	3	1	1.3	2.159	1.273	2.159	1.609	300	4,500
Terbacil	(D)	2	(D)	1	(D)	0.568	(D)	0.58	(D)	1,000
Trifluralin	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Insecticides ⁵										
Acetamiprid	26	2	2	2	0.091	0.098	0.181	0.201	200	400
Beta-Cyfluthrin	2	6	1.8	2.2	0.016	0.018	0.028	0.038	(Z)	200
Carbaryl	11	4	1.8	1.4	1.149	1.564	2.021	2.233	1,000	7,500
Chlorantraniliprole	3	5	2.5	1.3	0.076	0.08	0.193	0.102	(Z)	400
Chlorpyrifos	9	7	1.3	1.3	1.293	1.051	1.619	1.32	700	8,900
Cyfluthrin	11	11	1.8	3.2	0.027	0.032	0.048	0.105	(Z)	1,100
Diazinon	3	2	1.8	1.3	0.843	1.632	1.535	2.197	200	4,300
Dinotefuran	2	(Z)	1.3	1.4	0.144	0.176	0.185	0.241	(Z)	(Z)
Endosulfan	6	2	1.6	1.5	0.812	1.005	1.337	1.515	400	2,300
Esfenvalerate	15	31	2.5	2.3	0.025	0.049	0.063	0.114	(Z)	3,200
Fenpropathrin	18	2	2.8	2.2	0.171	0.202	0.479	0.447	400	600
Flubendiamide	5	3	3.3	1.6	0.086	0.112	0.282	0.173	100	400
Imidacloprid	31	6	1.9	1.7	0.043	0.052	0.082	0.09	100	500
Indoxacarb	6	2	1.6	1.5	0.074	0.096	0.119	0.147	(Z)	200
Lambda-Cyhalothrin	46	19	4.5	2.6	0.022	0.029	0.097	0.075	200	1,300
Methomyl	35	2	2.9	3	0.514	0.506	1.475	1.503	2,300	3,200
Permethrin	3	7	1.4	3.6	0.154	0.21	0.219	0.751	(Z)	4,700
Phosmet	25	13	3.2	2.9	1.191	1.591	3.796	4.663	4,200	56,300
Spinetoram	9	2	1.9	1.4	0.026	0.04	0.049	0.056	(Z)	100
Spinetoram-L	9	2	1.9	1.4	0.026	0.04	0.049	0.056	(Z)	100
Thiamethoxam	26	12	2	2.9	0.035	0.085	0.07	0.245	100	2,700
Other ⁶										
Mineral Oil	13	23	1.3	1.3	10.696	21.603	14.147	27.98	8,100	586,400
Spirodiclofen	2	2	1.5	1.1	0.204	0.242	0.296	0.26	(Z)	400

¹ The 7 Program States consist of: California, Georgia, Michigan, New Jersey, **Pennsylvania**, South Carolina, and Texas. ² (Z) is displayed for estimates less than half of the unit shown. ³ The following fungicides were withheld from the table to avoid disclosing data for individual farms: Bacillus Subtilis, Calcium Polysulfide, Copper Sulfate, Difenconazole, Fenhexamid, Iprodione, Kresoxim-Methyl, Metiram, Phosphorous Acid, Potassium Bicarbonate, Pseudo. Fluores A506, Pyrimethanil, Thiram, and Trifloxystrobin. ⁴ The following herbicides were withheld from the table to avoid disclosing data for individual farms: Atrazine, Carfentrazone-Ethyl, Clopyralid Mono Salt, Glyphosate Pot. Salt, Oxyfluorfen, Rimsulfuron, Sethoxydim, Terbacil, and Trifluralin. ⁵ The following insecticides were withheld from the table to avoid disclosing data for individual farms: Abamectin, Azinphos-Methyl, Bifenazate, Bifenthrin, Buprofezin, Clofentezine, Clothianidin, Fenthion, Gamma-Cyhalothrin, Hexythiazox, Malathion, Methoxyfenozide, Oxamyl, Petroleum Distillate, Pyridaben, Pyriproxyfen, Spirotetramat, Thiacloprid, and Zeta-Cypermethrin. ⁶ The following other pesticides were withheld from the table to avoid disclosing data for individual farms: Dodecadien-1-OL, E-8-Dodecenyl Acetat, Octadecadien (E,Z), Octadecadien (Z,Z), Oxytetracycline Hydrochloride, Z-8-Dodecanol, Z-8-Dodecen Acetate.