

Pesticides: Herbicides were applied to 61 percent of the 23,000 acres of apple trees. Simazine was the leading herbicide applied to apples at a total amount applied of 6,200 pounds. This was applied to 32 percent of the apple acreage at a rate of 0.82 pounds per acre. The second largest herbicide used on Pennsylvania apples was Diuron at 4,700 pounds.

Insecticides were applied to 96 percent of Pennsylvania's apple crop. Petroleum distillate was by far the largest insecticide applied to apples, with a total amount of

Fruit

327,400 pounds and applied to 64 percent of Pennsylvania's apple acreage. The next insecticide was Azinphos-methyl at 29,300 pounds.

Fungicides were applied to 95 percent of apples. Captan was the leading fungicide used on apples as it was applied to 67 percent of Pennsylvania's apple acreage. The total amount applied was 65,100 pounds, at a rate of 0.69 pounds per acre. The second leading fungicide used was Mancozeb at an amount of 41,300 pounds. This was applied to 45 percent of Pennsylvania's apple acreage.



Pennsylvania: Apples - Pesticide, Bearing Acreage, Percent of Area Receiving Applications & Total Applied, 2001

Crop	Planted Acreage	Area Receiving Treatment ¹		
		Herbicide	Insecticide	Fungicide
Apples	23,000	61	96	95

¹ Refers to acres receiving one or more applications of a pesticide.

Pennsylvania: Apples - Agricultural Chemical Applications, 2001

Agricultural Chemical	Bearing Acres	Area Applied	Applications	Active Ingredient		
				Rate Per Application	Rate Per Crop Year	Total Applied
	Acres	Percent	Number	Pounds Per Acre		1,000 Lbs.
	23,000					
Herbicides:						
2,4-D	-	19	1.1	0.52	0.58	2.6
2,4-D, Dimeth. salt	-	14	1.0	0.29	0.31	1.0
Diuron	-	25	1.0	0.78	0.83	4.7
Glyphosate	-	15	1.0	0.89	0.90	3.1
Norflurazon	-	11	1.0	0.71	0.71	1.9
Paraquat	-	47	1.5	0.21	0.33	3.6
Simazine	-	32	1.0	0.82	0.86	6.2
Terbacil	-	4	1.0	0.36	0.36	0.3
Insecticides:						
Abamectin	-	17	1.4	0.006	0.009	1
Azinphos-methyl	-	87	6.4	0.23	1.46	29.3
Benzoic acid	-	58	2.7	0.08	0.22	2.9
Carbaryl	-	44	1.3	1.06	1.41	14.2
Chlorpyrifos	-	50	1.5	0.46	0.70	8.0
Clofentezine	-	15	1.4	0.05	0.07	0.2
Diazinon	-	40	2.0	0.36	0.72	6.7
Dimethoate	-	2	1.4	0.72	1.06	0.5
Endosulfan	-	7	1.3	0.35	0.48	0.8
Esfenvalerate	-	62	1.8	0.02	0.02	0.3
Fenprothrin	-	24	1.7	0.09	0.15	0.8
Hexythiazox	-	2	1.5	0.05	0.08	
Imidacloprid	-	58	1.9	0.02	0.04	0.5
Indoxacarb	-	13	1.8	0.04	0.07	0.2
Methomyl	-	38	2.6	0.19	0.51	4.4
Oxamyl	-	9	1.7	0.29	0.51	1.0
Petroleum distillate	-	64	2.1	10.53	22.39	327.4
Phosmet	-	63	3.1	0.51	1.62	23.4
Pyridaben	-	36	1.9	0.06	0.11	0.9
Spinosad	-	12	1.4	0.05	0.07	0.2
Tebufozide	-	10	2.3	0.08	0.18	0.4
Fungicides:						
Basic copper sulfate	-	9	1.6	0.44	0.73	1.5
Benomyl	-	11	2.2	0.10	0.22	0.5
Captan	-	67	6.0	0.69	4.20	65.1
Copper hydroxide	-	9	1.3	1.92	2.55	5.5
Copper oxychlo. sul.	-	9	1.5	1.67	2.62	5.2
Copper oxychloride	-	8	1.7	1.14	2.00	3.5
Cyprodinil	-	46	2.0	0.09	0.19	2.1
Dodine	-	3	1.7	0.30	0.53	0.4
Fenarimol	-	12	3.1	0.04	0.12	0.3
Kresoxim-methyl	-	18	2.2	0.07	0.15	0.6
Mancozeb	-	45	4.5	0.89	4.02	41.3
Metiram	-	38	4.8	0.81	3.91	34.4
Myclobutanil	-	53	4.1	0.04	0.18	2.2
Streptomycin	-	15	1.6	0.09	0.15	0.5
Thiophanate-methyl	-	62	4.0	0.14	0.57	8.1
Thiram	-	26	4.8	0.98	4.75	27.9
Trifloxystrobin	-	15	2.7	0.02	0.06	0.2
Triflumizole	-	17	5.4	0.07	0.38	1.5
Ziram	-	37	4.9	0.75	3.70	31.7
Other Chemicals:						
Benzyldene	-	10	1.1	0.03	0.04	0.1
Butenoic Acid Hydro.	-	*	1.0	0.11	0.12	
Ethephon	-	19	1.9	0.14	0.28	1.2
Gibberellic Acid	-	3	3.9	0.008	0.03	
Gibberellins A4A7	-	10	1.1	0.01	0.01	1
NAA	-	13	1.6	0.009	0.02	1
NAA, Potassium salt	-	28	1.2	0.02	0.02	0.2
Prohexadione calcium	-	2	2.6	0.16	0.42	0.2

* Area applied is less than 1 percent. ¹ Total applied is less than 50 lbs.