

Agricultural Chemical Use, 2001

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(for the complete report, search on the keywords 'Agricultural Chemicals' at www.usda.gov/nass/search.htm)

Field Corn

Nitrogen: Pennsylvania farmers applied nitrogen to 98 percent of the 1,500,000 acres of corn planted in 2001. Total nitrogen applied to corn in 2001 was 130.2 million pounds. The average rate per application was 52 pounds per acre with the average number of applications of 1.6.

Phosphate: Phosphate was applied to 79 percent of the State's corn acres planted in 2001. Total phosphate applied to corn in 2001 was 55.8 million pounds.

Potash: Corn growers in the State applied potash to 76 percent of the 1,500,000 acres they planted in 2001.

Total amount applied was 43.4 million pounds at a rate of 36 pounds per acre per crop year.

Pesticides: Herbicides were applied to 99 percent of the corn acreage planted. The herbicide Atrazine was the leading agricultural chemical applied with a total amount applied of 1,536,000 pounds on 86 percent of Pennsylvania's corn acreage. Insecticides were applied to 60 percent of corn acreage in Pennsylvania for the 2001 crop year. Chlorpyrifos was the most common insecticide applied to corn with a total amount applied of 486,000 pounds on 30 percent of Pennsylvania's corn acreage.

Pennsylvania: Total Acreage & Acreage Receiving Pesticide Applications, Specified Crops, 2001

Crop	Area Planted	Area Receiving Treatment		
		Herbicide	Insecticide	Fungicide
	<i>Acres</i>	<i>Percent</i>		
Corn	1,500,000	99	60	0

Pennsylvania: Frequency & Extent of Fertilizer Usage, Specified Crops, 2001

Crop & Nutrient	Area Planted	Area Applied	Applications	Rate Per Application	Rate Per Crop Year	Total Applied
	<i>Acres</i>	<i>Percent</i>	<i>Number</i>	<i>Pounds</i>		<i>Million Lbs.</i>
Corn						
Nitrogen	1,500,000	98	1.6	52	89	130.2
Phosphate	1,500,000	79	1.0	44	47	55.8
Potash	1,500,000	76	1.0	36	38	43.4

Pennsylvania: Frequency & Extent of Pesticide Usage, Specified Crops, 2001 ¹

Crop & Agricultural Chemical	Area Planted	Area Applied	Applications	Active Ingredient		
				Rate Per Application	Rate Per Crop Year	Total Applied
	<i>Acres</i>	<i>Percent</i>	<i>Number</i>	<i>Pounds Per Acre</i>		<i>1,000 Lbs.</i>
Corn	1,500,000	-	-	-	-	-
<i>Herbicides:</i>						
2,4-D	-	7	1.0	0.44	0.44	44
Acetochlor	-	10	1.0	2.02	2.02	317
Atrazine	-	86	1.0	1.18	1.20	1,536
Dicamba	-	16	1.0	0.10	0.10	23
Dimethenamid	-	4	1.0	1.21	1.21	75
Flumetsulam	-	8	1.0	0.09	0.09	10
Glyphosate	-	12	1.0	0.87	0.88	163
Metolachlor	-	15	1.0	1.42	1.42	327
Nicosulfuron	-	13	1.0	0.01	0.01	3
Paraquat	-	9	1.0	0.33	0.33	46
Pendimethalin	-	57	1.0	0.99	0.99	851
Rimsulfuron	-	15	1.0	0.01	0.01	2
S-Metolachlor	-	45	1.0	1.05	1.05	704
Simazine	-	4	1.0	0.73	0.73	48
Thifensulfuron	-	5	1.0	0.007	0.007	1
<i>Insecticides:</i>						
Chlorpyrifos	-	30	1.0	1.09	1.09	486
Lambda-cyhalothrin	-	5	1.0	0.02	0.02	2
Permethrin	-	5	1.0	0.10	0.10	8
Tefluthrin	-	8	1.0	0.11	0.11	14
Terbufos	-	1	1.0	0.95	0.95	16

¹ Only the most commonly used pesticides are listed.