

Agricultural Chemical Usage

2003 Selected Field Crops

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

Barley - Pesticides, Fertilizers, Pest Management Practices

Nitrogen: Pennsylvania farmers applied nitrogen to 69 percent of the 75,000 acres of barley planted in 2003. Total nitrogen applied to barley in 2003 was 2.2 million pounds. The average rate per application was 33 pounds per acre with the average number of applications of 1.3.

Potash: Barley growers in the State applied potash to 40 percent of the 75,000 acres planted in 2003. The total amount applied was 1.2 million pounds at a rate of 40 pounds per acre per crop year.

Phosphate: Phosphate was applied to 39 percent of Pennsylvania's barley acres planted in 2003. Total phosphate applied to barley in 2003 was 1.1 million pounds.

Pesticides: Herbicides were applied to 32 percent of the barley acreage planted. 2,4-D was the most common herbicide applied with a total amount applied of 4,000 pounds on 6 percent of Pennsylvania's barley acreage.

Pennsylvania: Barley - Planted Acreage, Percent of Area Receiving Applications and Total Applied, 2003¹

Crop	Planted Acreage	Area Receiving and Total Applied					
		Herbicide		Insecticide		Fungicide	
	1,000 Acres	Percent	1,000 Lbs.	Percent	1,000 Lbs.	Percent	1,000 Lbs.
Barley	75	32	8	-	-	-	-

¹ Insufficient reports to publish data for one or more pesticide classes.

Pennsylvania: Barley - Fertilizer Primary Nutrient Applications, 2003

Primary Nutrient	Planted Acreage	Area Applied	Applications	Rate Per Application	Rate Per Crop Year	Total Applied
	1,000 Acres	Percent	Number	Pounds Per Acre		Million Lbs.
Barley	75					
Nitrogen		69	1.3	33	42	2.2
Phosphate		39	1.0	36	38	1.1
Potash		40	1.0	39	40	1.2

Pennsylvania: Barley - Agricultural Chemical Applications, 2003¹

Active Ingredient	Area Applied	Applications	Rate Per Application	Rate Per Crop Year	Total Applied
	Percent	Number	Pounds Per Acre	Pounds Per Acre	1,000 Lbs.
Herbicides					
2,4-D	6	1.0	0.93	0.93	4
Glyphosate	4	1.0	0.98	0.98	3
Thifensulfuron	22	1.0	0.02	0.02	(²)

¹ Planted acres in 2003 for Pennsylvania were 75,000 acres. ² Total applied is less than 500 lbs.