

2006 SOYBEAN CHEMICAL USAGE

Nineteen states were included in the 2006 survey: Arkansas, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Nebraska, North Carolina, North Dakota, Ohio, South Dakota, Tennessee, Virginia, and Wisconsin. Nitrogen was applied to 18 percent of the 2006 soybean planted acres in the Program States at an average rate of 16 pounds per acre per year. Phosphate was applied to 23 percent of the planted acres, at an average rate of 46 pounds per acre. An average of 80 pounds per acre of Potash was applied to 25 percent of the planted acreage. Sulfur was applied to 3 percent of the planted acres at an average rate of 11 pounds per acre.

Herbicides were applied to 98 percent of the soybean planted acreage in 2006 in the 19 Program States. Glyphosate isopropylamine salt was the most widely applied herbicide with 92 percent of planted acres treated at an average rate of 1.330 pounds per acres per crop year.

Insecticides were applied to 16 percent of the 2006 soybean planted acreage. The three most common, Lambda-cyhalothrin, Chlorpyrifos, and Esfenvalerate, were applied to 6, 5, and 3 percent of the planted acres, respectively.

SOYBEANS: Fertilizer Use by State, 2006 Percent of Acres Treated and Total Applied

State	Planted Acreage	Nitrogen		Phosphate		Potash		Sulfur	
		Percent	Mil. Lbs.	Percent	Mil. Lbs.	Percent	Mil. Lbs.	Percent	Mil. Lbs.
	1,000 Acres								
IL	10,100	11	18.1	16	96.0	31	290.2	2/	2/
IN	5,700	16	15.2	20	54.6	32	177.4	2/	2/
IA	10,150	7	10.8	12	64.4	20	172.6	1	0.9
MN	7,350	16	15.3	18	53.2	16	57.4	2/	2/
ND	3,900	43	22.6	42	58.3	3	1.9	2/	2/
SD	3,950	29	19.7	31	49.4	8	8.6	2/	2/
WI	1,650	31	7.4	33	18.0	55	74.2	10	2.3
Total 1/	72,880	18	212.4	23	772.8	25	1,454.7	3	20.0

1/ Refers to the 19 major soybean states: AR, IL, IN, IA, KS, KY, LA, MI, MN, MS, MO, NE, NC, ND, OH, SD, TN, VA and WI.

2/ Insufficient reports to publish data for the fertilizer primary nutrient.

SOYBEANS: Frequency and Extent of Usage by Active Ingredient, Minnesota, 2006 1/

Active Ingredient	Area Applied	Applications	Rate per Application	Rate per Year	Total Applied
	Percent	Number	Lbs. per Acre	Lbs. per Acre	1,000 Pounds
Herbicides					
Clethodim	3	1.0	0.058	0.058	15
Glyphosate	5	1.5	0.671	1.005	341
Glyphosate iso. Salt	93	1.6	0.797	1.300	8,935
Trifluralin	2	1.0	0.631	0.631	90
Insecticides					
Chlorpyrifos	23	1.0	0.465	0.484	832
Esfenvalerate	8	1.1	0.033	0.037	23
Lambda-cyhalothrin	24	1.1	0.020	0.022	38

1/ Planted acreage in 2006 for Minnesota was 7.4 million acres.