

Soybeans: Agricultural Chemical Applications, Iowa, 2004¹

Agricultural Chemical	Area Applied	Applications	Rate per Application	Rate per Crop Year	Total Applied
	<i>Percent</i>	<i>Number</i>	<i>-----Pounds per Acre-----</i>		
<u>FERTILIZERS:</u>					<u>Million lbs.</u>
Nitrogen	10	1.6	24	39	38.4
Phosphate	11	1.5	58	90	99.8
Potash	15	1.5	71	103	157.2
<u>HERBICIDES:</u>					<u>1,000 lbs.</u>
Chlorimuron-ethyl	6	1.1	0.02	0.02	13
Clethodim	2	1.0	0.07	0.07	15
Cloransulam-methyl	3	1.0	0.02	0.02	6
Fomesafen	2	1.4	0.19	0.26	57
Glyphosate	87	1.4	0.74	1.01	9,012
Imazamox	1	1.0	0.03	0.03	4
Imazathapyr	5	1.1	0.05	0.06	28
Lactofen	1	1.0	0.10	0.10	15
Metribuzin	1	1.0	0.24	0.24	28
Pendimethalin	7	1.0	0.82	0.84	641
S-Metolachlor	1	1.0	1.52	1.52	204
Sulfentrazone	8	1.1	0.11	0.12	97
Sulfosate	2	1.6	1.09	1.74	368
Trifluralin	14	1.0	0.78	0.79	1,152
<u>INSECTICIDES:</u>					
Lambda-cyhalothrin	1	1.0	0.02	0.02	2

¹ Planted acres in 2004 for Iowa were 10.2 million acres.

The agricultural chemical use estimates refer to on-farm use of commercial fertilizers and pesticides on targeted crops for the 2004 crop year. The targeted crops for Iowa only included soybeans. Farm and ranch operators were enumerated late in the growing season after the farm operator had indicated that planned applications were completed.

The data were compiled from the Agricultural Resources Management Survey (ARMS). The main portion of data collection time frame occurred during the months of October-December of 2004.

This report excludes pesticides used for seed treatments and postharvest applications to the commodity. Spot treatments, which account for a very small percentage of total applications, are also excluded.