

## Soybean: Agricultural Chemical Applications, Iowa, 2006<sup>1</sup>

Agricultural Chemical	Area Applied Percent	Applications Number	Rate per Application -----Pounds per Acre-----	Rate per Crop Year	Total Applied 1,000 lbs
<b>Fertilizers:</b>					
Nitrogen	7	1.0	14	14	10,800
Phosphate	12	1.0	54	54	64,400
Potash	20	1.0	85	85	172,600
Sulfur	1	1.0	7	7	900
<b>Herbicides:</b>					
2, 4-D, 2-EHE	3	1.0	0.460	0.460	149
Chlorimuron-ethyl	3	1.0	0.017	0.017	6
Clethodim	4	1.1	0.078	0.089	35
Glyphosate iso.salt	97	1.5	0.809	1.233	12,113
Metribuzin	4	1.0	0.128	0.128	49
Pendimethalin	4	1.0	1.050	1.050	387
Trifluralin	9	1.0	0.774	0.774	728
<b>Insecticides:</b>					
Chlorpyrifos	2	1.0	0.475	0.475	100
Esfenvalerate	3	1.0	0.036	0.036	12

<sup>1</sup> Planted acres in 2006 for Iowa were 10.15 million acres.

The agricultural chemical use estimates refer to on-farm use of commercial fertilizers and pesticides on targeted crops for the 2006 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 September-December of 2006.

### Soybeans: Herbicide, Percent of Acres Treated and Total Applied, Iowa, 2006

