



2012 Agricultural Chemical Use Estimates

November, 5 2013

Email: NCagstat@ncagr.gov

In the fall of 2012, the North Carolina Field Office of the National Agricultural Statistics Service collected data on chemical use and pest management practices for soybean and winter wheat growers. This data is part of a series of chemical use which was last conducted in 2006. North Carolina participated in the chemical usage survey along with nineteen other states. The survey provides data to develop an agricultural chemical use database that is timely, detailed, and reliable. For more information please visit <http://quickstats.nass.usda.gov/>.

Soybeans: The most utilized herbicide was **Glyphosate Pot. Salt**, applied to **50** percent of the surveyed acreage. The most commonly used Insecticide was **Pyraclostrobin**, applied to **21** percent of the total surveyed acreage. The most commonly applied nutrient was **Potash**, applied to **61** percent of the acreage.

Soybeans: Agricultural Chemical Applications, 2012 ¹

| Active Ingredient | Area Applied | Applications | Rate per Application | Rate per Crop Year | Total Applied |
|-----------------------------|----------------|---------------|------------------------|------------------------|------------------|
| | <i>Percent</i> | <i>Number</i> | <i>Pounds per Acre</i> | <i>Pounds per Acre</i> | <i>1,000 lbs</i> |
| Herbicides | | | | | |
| 2,4-D, 2-EHE | 5 | 1.0 | 0.720 | 0.720 | 57 |
| Chlorimuron-Ethyl | 7 | 1.0 | 0.022 | 0.023 | 2 |
| Cloransulam-Methyl | 20 | 1.0 | 0.031 | 0.031 | 10 |
| Flumioxazin | 19 | 1.0 | 0.073 | 0.074 | 23 |
| Fomesafen | 29 | 1.3 | 0.227 | 0.288 | 132 |
| Glyphosate | 10 | 1.0 | 0.834 | 0.866 | 136 |
| Glyphosate Iso. Salt | 31 | 1.9 | 0.834 | 1.561 | 763 |
| Glyphosate Pot. Salt | 50 | 1.7 | 0.900 | 1.508 | 1195 |
| Paraquat | 10 | 1.0 | 0.704 | 0.704 | 107 |
| S-Metolachlor | 28 | 1.0 | 0.855 | 0.866 | 379 |
| Thifensulfuron | 6 | 1.0 | 0.007 | 0.007 | 1 |
| Insecticides | | | | | |
| Cyfluthrin | 11 | 1.3 | 0.033 | 0.043 | 8 |
| Lambda-cyhalothrin | 12 | 1.6 | 0.017 | 0.027 | 5 |
| Pyraclostrobin | 21 | 1.8 | 0.156 | 0.281 | 0.3 |

Soybeans: Fertilizer Primary Nutrient Applications, 2012

| Active Ingredient | Area Applied | Applications | Rate per Application | Rate per Crop Year | Total Applied |
|-------------------|----------------|---------------|------------------------|------------------------|-----------------|
| | <i>Percent</i> | <i>Number</i> | <i>Pounds per Acre</i> | <i>Pounds per Acre</i> | <i>Mil. lbs</i> |
| Nitrogen | 50 | 1.0 | 19 | 20 | 15.8 |
| Phosphate | 44 | 1.0 | 43 | 45 | 31.6 |
| Potash | 61 | 1.2 | 72 | 83 | 80.3 |
| Sulfur | 16 | 1 | 9 | 9 | 2.3 |

¹ Planted acreage in 2012 for North Carolina was 1.6 million acres