

Table 3D.1. Pesticide Use on Soybeans in 2015: Total Iowa Acres Planted (9,850,000)

(see notes at end of table)

<i>Herbicides</i> Active Ingredients	Percent Acres Treated	Rate of Application (lbs/acre)	Number of Applications	Rate per Crop Year (lbs/acre)	Number of Acres Treated	Total Iowa Acres	
						Acre Treatments	Pounds Applied
2,4-D	16.0	0.433	1.1	0.470	1,576,000	1,733,600	740,031
Acetochlor	2.0	1.421	1.0	1.421	197,000	197,000	279,937
Chlorimuron-ethyl	10.0	0.022	1.1	0.024	985,000	1,083,500	23,640
Clethodim	13.0	0.089	1.0	0.089	1,280,500	1,280,500	113,965
Cloransulam-methyl	14.0	0.021	1.0	0.021	1,379,000	1,379,000	28,959
Dimethenamid	7.0	0.617	1.0	0.617	689,500	689,500	425,422
Fluazifop-P-butyl	7.0	0.066	1.0	0.069	689,500	689,500	47,576
Flumioxazin	8.0	0.073	1.0	0.073	788,000	788,000	57,524
Fluthiacet-methyl	5.0	0.004	1.0	0.004	492,500	492,500	1,970
Fomesafen	25.0	0.221	1.0	0.226	2,462,500	2,462,500	556,525
Glufosinate-ammonium	3.0	0.473	1.3	0.603	295,500	384,150	178,187
Glyphosate	89.0	1.049	1.2	1.243	8,766,500	10,362,200	10,899,715
Imazethapyr	9.0	0.051	1.0	0.051	886,500	886,500	45,212
Lactofen	3.0	0.120	1.0	0.120	295,500	295,500	35,460
Metribuzin	6.0	0.304	1.1	0.322	591,000	650,100	190,302
Pendimethalin	9.0	0.914	1.0	0.953	886,500	886,500	844,835
Quizalofop-P-ethyl	4.0	0.039	1.0	0.039	394,000	394,000	15,366
Saflufenacil	9.0	0.022	1.0	0.022	886,500	886,500	19,503
S-metolachlor	6.0	1.320	1.0	1.383	591,000	591,000	817,353
Sulfentrazone	27.0	0.183	1.1	0.192	2,659,500	2,925,450	510,624
Thifensulfuron	7.0	0.020	1.0	0.020	689,500	689,500	13,790
Trifluralin	8.0	0.850	1.0	0.886	788,000	788,000	698,168
Other Herbicides							277,000
Total Herbicides	287.0%				28,269,500	30,535,000	16,821,060
Average per Acre	2.9					3.100	1.7077

Notes:

1. For pesticide active ingredients sold in more than one chemical form, and surveyed separately by the USDA's National Agricultural Statistics Service (NASS), data on percent acres treated, number of acres treated, and pounds applied are the sum across all forms of the chemical. Rates of application and number of applications are averages across each form of the pesticide, weighted by shares of total acres treated.

2. For years not surveyed by NASS, values are interpolated between the nearest two years with reported values. Values between the last survey and 2016 are extrapolated assuming no change in rate of application, number of applications, or percent acres treated.

3. Each year when NASS surveys a crop, the agency strives to include 85% to 90% of acres planted. Hence, total NASS surveyed acres at the state or national level are lower than total acres planted. For this table, NASS surveyed acres were 9,850,000