

**Table 1: Herbicides Applied to Iowa Acres Planted with 'Soybeans' In 2016**

Pesticide	Percent Acres Treated	One Time Application Rate	Number of Applications	Rate per Crop Year	Surveyed Acre Treatments	Pesticide Pounds Applied	
						Surveyed Acres	Total Acres
						(9,500,000)	(9,500,000)
2,4-D, 2-ehe	9.0%	0.417	1.1	0.449	940,500	397,000	397,000
2,4-D, Dimethamine salt	7.0%	0.454	1.1	0.496	731,500	366,000	366,000
Acetochlor	2.0%	1.421	1.0	1.421	190,000	316,000	316,000
Chlorimuron-ethyl	10.0%	0.022	1.1	0.024	1,045,000	24,000	24,000
Clethodim	13.0%	0.089	1.0	0.089	1,235,000	117,000	117,000
Cloransulam-methyl	14.0%	0.021	1.0	0.021	1,330,000	29,000	29,000
Dimethenamid-P	7.0%	0.617	1.0	0.617	665,000	438,000	438,000
Fluazifop-P-butyl	7.0%	0.066	1.0	0.069	665,000	46,000	46,000
Flumioxazin	8.0%	0.073	1.0	0.073	760,000	60,000	60,000
Fluthiacet-methyl	5.0%	0.004	1.0	0.004	475,000	2,000	2,000
Fomesafen	25.0%	0.221	1.0	0.226	2,375,000	546,000	546,000
Glufosinate-ammonium	3.0%	0.473	1.3	0.603	370,500	203,000	203,000
Glyphosate	12.0%	0.943	1.0	0.959	1,140,000	1,162,000	1,162,000
Glyphosate dimethylammonium	8.0%	1.219	1.3	1.600	988,000	1,273,000	1,273,000
Glyphosate isopropylamine Salt	29.0%	0.877	1.2	1.081	3,306,000	3,135,000	3,135,000
Glyphosate potassium salt	40.0%	1.172	1.2	1.375	4,560,000	5,437,000	5,437,000
Imazethapyr	9.0%	0.051	1.0	0.051	855,000	43,000	43,000
Lactofen	3.0%	0.120	1.0	0.120	285,000	35,000	35,000
Metribuzin	6.0%	0.304	1.1	0.322	627,000	194,000	194,000
Pendimethalin	9.0%	0.914	1.0	0.953	855,000	819,000	819,000
Quizalofop-P-ethyl	4.0%	0.039	1.0	0.039	380,000	17,000	17,000
Saflufenacil	9.0%	0.022	1.0	0.022	855,000	20,000	20,000
S-metolachlor	6.0%	1.320	1.0	1.383	570,000	878,000	878,000
Sulfentrazone	27.0%	0.183	1.1	0.192	2,821,500	508,000	508,000
Thifensulfuron	7.0%	0.020	1.0	0.020	665,000	13,000	13,000
Trifluralin	8.0%	0.850	1.0	0.886	760,000	666,000	666,000
Other Herbicides	0.0%	0.000	0.0	0.000	0	277,000	277,000
Totals:	287.0%	--	--	--	29,450,000	17,021,000	17,021,000
Average per Acre:	2.87	--	--	--	3.100	1.792	1.792