

Table 1. Herbicides Applied to Corn Acres from 1991 - 2000 based on USDA Pesticide Use Data: Percent National Acres Treated and Acres Treated

	1971	1982	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
2,4,5-T	0.2%											
Acres Treated	123,000											
2,4-D	22.5%	14.0%	8.0%	10.0%	12.0%	14.0%	13.0%	11.0%	9.0%	12.0%	8.0%	8.0%
Acres Treated	16,626,000	11,464,889	5,488,000	7,140,000	7,884,000	8,750,000	8,333,000	7,733,000	5,598,000	8,568,000	5,464,000	5,904,000
acetamide										0.2%	1%	2%
Acres Treated										159,016	341,500	1,476,000
acetochlor						7.0%	18.0%	22.0%	24.0%	25.0%	27.0%	25.0%
Acres Treated						4,375,000	11,538,000	15,466,000	14,928,000	17,850,000	18,441,000	18,450,000
alachlor	9.0%	32.2%	27.0%	27.0%	24.0%	17.0%	8.0%	9.0%	4.0%	4.0%	4.0%	4.0%
Acres Treated	6,633,000	26,398,843	18,522,000	19,278,000	15,768,000	10,625,000	5,128,000	6,327,000	2,488,000	2,856,000	2,732,000	2,952,000
ametryn		0.03%	0.1%	0.2%			0.5%			0.2%	0.5%	0.1%
Acres Treated		28,449	68,600	135,185			316,049			150,000	341,500	100,000
atrazine	48.6%	58.4%	66.0%	69.0%	69.0%	68.0%	65.0%	71.0%	69.0%	69.0%	70.0%	68.0%
Acres Treated	35,993,000	47,832,294	45,276,000	49,266,000	45,333,000	42,500,000	41,665,000	49,913,000	42,918,000	49,266,000	47,810,000	50,184,000
bentazone		0.02%	2.0%	1.0%	1.0%	2.0%	2.0%	3.0%	3.0%	1.0%	2.0%	2.0%
Acres Treated		14,941	1,372,000	714,000	657,000	1,250,000	1,282,000	2,109,000	1,866,000	714,000	1,366,000	1,476,000
bromoxynil			7.0%	8.0%	8.0%	10.0%	8.0%	7.0%	6.0%	5.0%	4.0%	4.0%
Acres Treated			4,802,000	5,712,000	5,256,000	6,250,000	5,128,000	4,921,000	3,732,000	3,570,000	2,732,000	2,952,000
butylate	2.5%	18.2%	3.0%	3.0%	2.0%	1.0%	1.0%	1.0%		0.1%		
Acres Treated	1,843,000	14,920,844	2,058,000	2,142,000	1,314,000	625,000	641,000	703,000		60,507		
Carfentrazone-ethyl											0.5%	1.0%
Acres Treated											341,500	738,000
chloramben	0.1%	0.01%										
Acres Treated	60,000	4,332										
clopyralid								0.4%	3.0%	5.0%	11.0%	9.0%
Acres Treated								290,000	1,866,000	3,570,000	7,513,000	6,642,000
cyanazine		15.9%	19.0%	20.0%	20.0%	21.0%	17.0%	13.0%	14.0%	9.0%	4.0%	0.9%
Acres Treated		12,987,959	13,034,000	14,280,000	13,140,000	13,125,000	10,897,000	9,139,000	8,708,000	6,426,000	2,732,000	636,029
dalapon	0.1%	0.1%										
Acres Treated	73,000	77,377										
diallate		0.002%										
Acres Treated		1,712										
dicamba	2.2%	11.0%	16.0%	21.0%	21.0%	29.0%	27.0%	25.0%	29.0%	15.0%	14.0%	21.0%
Acres Treated	1,652,000	9,010,323	10,976,000	14,994,000	13,797,000	18,125,000	17,307,000	17,575,000	18,038,000	10,710,000	9,562,000	15,498,000
Dicamba dimethylamine salt												3.0%
Acres Treated												2,214,000
dicamba dimethylammonium											1.0%	
Acres Treated											683,000	
dicamba potassium salts										9.0%	8.0%	5.0%

	1971	1982	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Acres Treated										6,426,000	5,464,000	3,690,000
dichloroprop (2,4-DP)												0.1%
Acres Treated												41,667
Diflufenzopyr											1.0%	3.0%
Acres Treated											683,000	2,214,000
dimethenamid						3.0%	3.0%	6.0%	6.0%	7.0%	8.0%	7.0%
Acres Treated						1,875,000	1,923,000	4,218,000	3,732,000	4,998,000	5,464,000	5,166,000
EPTC	0.4%	2.2%	5.0%	3.0%	4.0%	2.0%	3.0%	2.0%	1.0%	2.0%	0.5%	1.0%
Acres Treated	292,000	1,822,927	3,430,000	2,142,000	2,628,000	1,250,000	1,923,000	1,406,000	622,000	1,428,000	341,500	738,000
flumetsulam						1.0%	1.0%	1.0%	4.0%	6.0%	12.0%	10.0%
Acres Treated						625,000	641,000	703,000	2,488,000	4,284,000	8,196,000	7,380,000
glufosinate ammonium										0.0%	0.0%	0.0%
Acres Treated										-	-	-
glyphosate		0.4%	2.0%	1.0%	5.0%	4.0%	6.0%	4.0%	4.0%	5.0%	9.0%	9.0%
Acres Treated		308,720	1,372,000	714,000	3,285,000	2,500,000	3,846,000	2,812,000	2,488,000	3,570,000	6,147,000	6,642,000
Halosulfuron												0.7%
Acres Treated												500,000
halosulfuron-methyl							1.0%	2.0%	1.0%	1.0%	2.0%	
Acres Treated							641,000	1,406,000	622,000	714,000	1,366,000	
imazapyr										2.0%	2.0%	2.0%
Acres Treated										1,428,000	1,366,000	1,476,000
imazethapyr					0.3%	1.0%	1.0%	1.0%	1.0%	3.0%	2.0%	3.0%
Acres Treated					177,390	625,000	641,000	703,000	622,000	2,142,000	1,366,000	2,214,000
Isoxaflutole											4.0%	3.0%
Acres Treated											2,732,000	2,214,000
linuron	1.9%	0.5%	0.2%	0.2%			0.3%			0.01%		
Acres Treated	1,427,000	392,945	137,200	145,455			193,548			4,651		
MCPA	0.5%											
Acres Treated	339,000											
mecoprop		0.02%										
Acres Treated		12,748										
metolachlor		14.2%	30.0%	30.0%	32.0%	32.0%	29.0%	30.0%	35.0%	32.0%	29.0%	12.0%
Acres Treated		11,635,347	20,580,000	21,420,000	21,024,000	20,000,000	18,589,000	21,090,000	21,770,000	22,848,000	19,807,000	8,856,000
metribuzin					0.4%	1.0%	1.0%	1.0%	1.0%	1.0%	0.5%	2.0%
Acres Treated					256,230	625,000	641,000	703,000	622,000	714,000	341,500	1,476,000
nicosulfuron			4.0%	6.0%	8.0%	13.0%	13.0%	12.0%	10.0%	8.0%	15.0%	15.0%
Acres Treated			2,744,000	4,284,000	5,256,000	8,125,000	8,333,000	8,436,000	6,220,000	5,712,000	10,245,000	11,070,000
norea (noruron)	0.1%											
Acres Treated	42,000											
paraquat dichloride		2.0%	1.0%	1.0%	2.0%	1.0%	1.0%	2.0%	1.0%	2.0%	0.5%	1.0%
Acres Treated		1,607,821	686,000	714,000	1,314,000	625,000	641,000	1,406,000	622,000	1,428,000	341,500	738,000

	1971	1982	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
pendimethalin		0.2%	3.0%	4.0%	4.0%	3.0%	4.0%	3.0%	3.0%	3.0%	1.0%	3.0%
Acres Treated		191,818	2,058,000	2,856,000	2,628,000	1,875,000	2,564,000	2,109,000	1,866,000	2,142,000	683,000	2,214,000
petroleum oils	2.1%											
Acres Treated	1,528,000											
primisulfuron-methyl			1.0%	2.0%	2.0%	3.0%	3.0%	7.0%	8.0%	6.0%	6.0%	9.0%
Acres Treated			686,000	1,428,000	1,314,000	1,875,000	1,923,000	4,921,000	4,976,000	4,284,000	4,098,000	6,642,000
propachlor	17.8%	1.7%	1.0%	1.0%	1.0%	1.0%		0.2%	3.0%			
Acres Treated	13,188,000	1,387,585	686,000	714,000	657,000	625,000		123,443	177,949			
propazine	0.2%											
Acres Treated	166,000											
prosulfuron								5.0%	5.0%	3.0%	3.0%	4.0%
Acres Treated								3,515,000	3,110,000	2,142,000	2,049,000	2,952,000
pyridate										0.4%	4.0%	5.0%
Acres Treated										274,510	2,732,000	3,690,000
rimsulfuron							1.0%	1.0%	2.0%	1.0%	11.0%	9.0%
Acres Treated							641,000	703,000	1,244,000	714,000	7,513,000	6,642,000
sethoxydim										0.1%		
Acres Treated										83,333		
simazine	0.9%	4.1%	1.0%	1.0%	1.0%	1.0%	3.0%	2.0%	1.0%	1.0%	2.0%	2.0%
Acres Treated	688,000	3,338,713	686,000	714,000	657,000	625,000	1,923,000	1,406,000	622,000	714,000	1,366,000	1,476,000
S-Metolachlor												16.0%
Acres Treated												11,808,000
Sulfosate											0.5%	0.3%
Acres Treated											341,500	258,209
thifensulfuron										1.0%	0.4%	0.8%
Acres Treated										714,000	273,200	600,000
thifensulfuron-methyl							1.0%	1.0%	2.0%			
Acres Treated							641,000	703,000	1,244,000			
tridiphane			1.0%	0.3%		0.2%						
Acres Treated			686,000	227,778		103,125						
trifluralin	0.1%	0.1%	0.3%		0.3%						0.5%	0.1%
Acres Treated	67,000	64,871	205,800		177,390						341,500	71,667
vernolate		0.1%										
Acres Treated		46,219										
Sum of Percent Acres Treated	109.0%	175.4%	197.6%	208.7%	216.9%	235.2%	230.8%	242.6%	249.0%	239.0%	268.4%	271.0%
Average Number of Herbicides Applied	1.09	1.75	1.98	2.09	2.17	2.35	2.31	2.43	2.49	2.39	2.68	2.71