

Year	Total Iowa corn acres planted	Average Iowa fertilizer-N rate for corn	Percentage of corn acres fertilized	Total fertilizer-N used on corn
	1,000s ac.	lb.-N/ac.		1,000s lb. N.
1985	13,900	145	99%	1,995,345
1986	12,300	131	98%	1,579,074
1987	10,300	132	98%	1,332,408
1988	11,300	139	99%	1,554,993
1989	12,600	128	99%	1,596,672
1990	12,800	127	96%	1,560,576
1991	12,500	120	98%	1,470,000
1992	13,200	118	96%	1,495,296
1993	12,000	114	98%	1,340,640
1994	13,000	121	98%	1,541,540
1995	11,700	120	97%	1,361,880
1996	12,700	132	98%	1,642,872
1997	12,200	121	99%	1,461,438
1998	12,500	127	96%	1,524,000
1999	12,100	126	98%	1,494,108
2000	12,300	131	95%	1,530,735
2001	11,700	125	87%	1,272,375
2002	12,300	122	94%	1,410,564
2003	12,400	133	93%	1,533,756
			Total:	28,698,272

Data Source: NASS - Agricultural Chemical Usage, Field Crop Summary

Total Fertilizer Use on corn calculated from:

Iowa Corn Acres Planted * Iowa N Rate for Corn * Percent of Corn Acres Fertilized

Year	Total Iowa corn acres planted	Average Average Iowa fertilizer-N rate for corn	Percentage of corn acres fertilized	Reduction in fertilizer-N used relative to 1985 rate	Value of fertilizer-N reduction
	1,000s ac.	lb.-N/ac.		1,000s lb. N.	dollars
1985	13,900	145	99%		
1986	12,300	131	98%	168,756	\$25,313,400
1987	10,300	132	98%	131,222	\$19,683,300
1988	11,300	139	99%	67,122	\$10,068,300
1989	12,600	128	99%	212,058	\$31,808,700
1990	12,800	127	96%	221,184	\$33,177,600
1991	12,500	120	98%	306,250	\$45,937,500
1992	13,200	118	96%	342,144	\$51,321,600
1993	12,000	114	98%	364,560	\$54,684,000
1994	13,000	121	98%	305,760	\$45,864,000
1995	11,700	120	97%	283,725	\$42,558,750
1996	12,700	132	98%	161,798	\$24,269,700
1997	12,200	121	99%	289,872	\$43,480,800
1998	12,500	127	96%	216,000	\$32,400,000
1999	12,100	126	98%	225,302	\$33,795,300
2000	12,300	131	95%	163,590	\$24,538,500
2001	11,700	125	87%	203,580	\$30,537,000
2002	12,300	122	94%	265,926	\$39,888,900
2003	12,400	133	93%	138,384	\$20,757,600
TOTALS:				4,067,233	\$610,084,950

Data Source: NASS - Agricultural Chemical Usage, Field Crop Summary

Reduction in fertilizer-N applied calculated from:

$$\{\% \text{ corn fertilized} * ((\text{current year acres} * 1985 \text{ FN rate (=145)}) - (\text{current year acres} * \text{current year FN rate}))\}$$

Value of fertilizer calculated at \$0.15/pound-N.

Year	Total Iowa corn acres planted	Average Iowa fertilizer-N rate for corn	Percentage of corn acres fertilized	Reduction in fertilizer-N used relative to 1985 rate	Energy value of fertilizer-N reduction in equivalent gallons of diesel fuel
	1,000s ac.	lb.-N/ac.		1,000s lb. N.	1,000s gal.-dsl.-equ.
1985	13,900	145	99%		
1986	12,300	131	98%	168,756	33,751
1987	10,300	132	98%	131,222	26,244
1988	11,300	139	99%	67,122	13,424
1989	12,600	128	99%	212,058	42,412
1990	12,800	127	96%	221,184	44,237
1991	12,500	120	98%	306,250	61,250
1992	13,200	118	96%	342,144	68,429
1993	12,000	114	98%	364,560	72,912
1994	13,000	121	98%	305,760	61,152
1995	11,700	120	97%	283,725	56,745
1996	12,700	132	98%	161,798	32,360
1997	12,200	121	99%	289,872	57,974
1998	12,500	127	96%	216,000	43,200
1999	12,100	126	98%	225,302	45,060
2000	12,300	131	95%	163,590	32,718
2001	11,700	125	87%	203,580	40,716
2002	12,300	122	94%	265,926	53,185
2003	12,400	133	93%	138,384	27,677
TOTALS:				4,067,233	813,447

Data Source: NASS - Agricultural Chemical Usage, Field Crop Summary

Reduction in fertilizer-N applied calculated from:

{% corn fertilized * ((current year acres * 1985 FN rate (=145)) - (current year acres * current year FN rate))}

Value of fertilizer calculated at \$0.15/pound-N.

Energy value of fertilizer-N reduction calculated at 5lbs-N = 1 gal diesel fuel (as equivalent btus).