

## AGRICULTURAL CHEMICAL USAGE, SOUTH DAKOTA

### WINTER WHEAT: FERTILIZER PRIMARY NUTRIENT APPLICATIONS, SELECTED YEARS

YEAR 1/	AREA PLANTED 2/	NITROGEN			PHOSPHATE			POTASH			HERBICIDE	INSECTICIDE
		AREA APPLIED	APPLI- CATIONS	RATE PER APPLICATION	AREA APPLIED	APPLI- CATIONS	RATE PER APPLICATION	AREA APPLIED	APPLI- CATIONS	RATE PER APPLICATION	AREA APPLIED	AREA APPLIED
	1,000 ACRES	PERCENT	NUMBER	LBS/ACRE	PERCENT	NUMBER	LBS/ACRE	PERCENT	NUMBER	LBS/ACRE	PERCENT	PERCENT
1996	1,580	78	1.2	40	65	1.0	28	3/	3/	3/	65	3/
1997	1,050	78	1.3	36	58	1.0	25	3/	3/	3/	89	3/
1998	1,500	94	1.5	37	92	1.0	26	3/	3/	3/	88	3/
2000	1,350	91	1.4	35	61	1.0	30	12	1.0	8	56	3/
2004	1,650	77	1.6	51	58	1.2	38	7	1.3	33	66	3/

1/ DATA FOR SOUTH DAKOTA WAS NOT COLLECTED IN 1999, 2001, 2002, OR 2003. 2/ 1996-1997 = ACRES HARVESTED. 3/ INSUFFICIENT REPORTS TO PUBLISH DATA.

### OTHER SPRING WHEAT: FERTILIZER PRIMARY NUTRIENT APPLICATIONS, SELECTED YEARS

YEAR 1/	AREA PLANTED	NITROGEN			PHOSPHATE			POTASH			HERBICIDE	INSECTICIDE
		AREA APPLIED	APPLI- CATIONS	RATE PER APPLICATION	AREA APPLIED	APPLI- CATIONS	RATE PER APPLICATION	AREA APPLIED	APPLI- CATIONS	RATE PER APPLICATION	AREA APPLIED	AREA APPLIED
	1,000 ACRES	PERCENT	NUMBER	LBS/ACRE	PERCENT	NUMBER	LBS/ACRE	PERCENT	NUMBER	LBS/ACRE	PERCENT	PERCENT
1995	1,250	95	1.3	38	68	1.0	26	12	10	15	97	2/
1997	2,350	90	1.5	42	70	1.0	35	2/	2/	2/	86	2/
1998	1,900	85	1.4	41	66	1.0	35	11	1.0	26	73	2/
2000	1,650	95	1.4	42	83	1.0	26	12	1.0	14	93	2/
2004	1,600	92	1.7	54	68	1.2	40	19	1.3	22	89	2/

1/ DATA FOR SOUTH DAKOTA WAS NOT COLLECTED IN 1996, 1999, 2001, 2002, OR 2003. 2/ INSUFFICIENT REPORTS TO PUBLISH DATA.

### WINTER WHEAT AND OTHER SPRING WHEAT: AGRICULTURAL CHEMICAL APPLICATIONS, 2004

ACTIVE INGREDIENT	TRADE NAME	WINTER WHEAT				OTHER SPRING WHEAT			
		AREA APPLIED	APPLI- CATIONS	RATE PER CROP YEAR	TOTAL APPLIED	AREA APPLIED	APPLI- CATIONS	RATE PER CROP YEAR	TOTAL APPLIED
2,4-D	1/	PERCENT	NUMBER	LBS/ACRE	1,000 LBS	PERCENT	NUMBER	LBS/ACRE	1,000 LBS
2,4-D	1/	16	1.5	0.48	125	25	1.2	0.40	161
BROMOXYNIL	BUCTRIL	NA	NA	NA	NA	13	1.0	0.22	45
BROMOXYNIL OCTANOATE	1/	18	1.0	0.22	64	16	1.0	0.26	69
DICAMBA	BANVEL	7	1.6	0.21	23	16	1.1	0.10	26
GLYPHOSATE	ROUNDUP	19	1.6	0.75	228	14	1.4	0.63	143
MCPA	1/	20	1.0	0.24	77	39	1.0	0.25	154
METSULFURON-METHYL	ALLY	13	1.0	0.002	2/	9	1.0	0.002	2/
THIFENSULFURON	PINNACLE	14	1.2	0.009	2	22	1.0	0.008	3
TRIBENURON-METHYL	EXPRESS	13	1.2	0.004	1	21	1.0	0.005	2

1/ NO TRADE NAME LISTED DUE TO MULTIPLE BRAND NAMES AVAILABLE. 2/ LESS THAN 500 POUNDS. NA = NOT AVAILABLE.

**AGRICULTURAL CHEMICAL USAGE, SOUTH DAKOTA**

**CORN: FERTILIZER PRIMARY NUTRIENT APPLICATIONS, 1999-2005 1/**

YEAR	AREA PLANTED	NITROGEN			PHOSPHATE			POTASH			HERBICIDE	INSECTICIDE
		AREA APPLIED	APPLI-CATIONS	RATE PER APPLICATION	AREA APPLIED	APPLI-CATIONS	RATE PER APPLICATION	AREA APPLIED	APPLI-CATIONS	RATE PER APPLICATION	AREA APPLIED	AREA APPLIED
	1,000 ACRES	PERCENT	NUMBER	LBS/ACRE	PERCENT	NUMBER	LBS/ACRE	PERCENT	NUMBER	LBS/ACRE	PERCENT	PERCENT
1999	3,600	98	1.5	60	88	1.1	37	49	1.0	24	95	18
2000	4,300	99	1.5	63	92	1.0	36	39	1.0	21	100	15
2001	3,800	95	1.5	72	69	1.0	43	32	1.0	29	96	8
2003	4,400	95	1.3	71	78	1.1	42	25	1.1	23	96	2/
2005	4,450	95	1.4	79	79	1.1	40	37	1.0	26	100	12

1/ DATA FOR SOUTH DAKOTA WAS NOT COLLECTED IN 2002 OR 2004. 2/ INSUFFICIENT REPORTS TO PUBLISH DATA.

**SOYBEANS: FERTILIZER PRIMARY NUTRIENT APPLICATIONS, 1998-2004 1/**

YEAR	AREA PLANTED	NITROGEN			PHOSPHATE			POTASH			HERBICIDE	INSECTICIDE
		AREA APPLIED	APPLI-CATIONS	RATE PER APPLICATION	AREA APPLIED	APPLI-CATIONS	RATE PER APPLICATION	AREA APPLIED	APPLI-CATIONS	RATE PER APPLICATION	AREA APPLIED	AREA APPLIED
	1,000 ACRES	PERCENT	NUMBER	LBS/ACRE	PERCENT	NUMBER	LBS/ACRE	PERCENT	NUMBER	LBS/ACRE	PERCENT	PERCENT
1998	3,450	32	1.0	27	32	1.0	35	11	1.0	8	96	2/
1999	4,100	47	1.0	20	47	1.0	45	19	1.0	27	98	2/
2000	4,400	38	1.0	14	43	1.0	35	12	1.0	23	98	NA
2002	4,250	37	1.0	18	41	1.0	54	15	1.4	27	100	19
2004	4,150	42	1.5	15	45	1.4	44	8	1.6	22	96	19

1/ NO DATA AVAILABLE FOR 2001, 2003, OR 2005. 2/ INSUFFICIENT REPORTS TO PUBLISH DATA. NA = NOT AVAILABLE.

**CORN AND SOYBEANS: AGRICULTURAL CHEMICAL APPLICATIONS, 2004 & 2005**

ACTIVE INGREDIENT	TRADE NAME	CORN 2005				SOYBEANS 2004			
		AREA APPLIED	APPLI-CATIONS	RATE PER CROP YEAR	TOTAL APPLIED	AREA APPLIED	APPLI-CATIONS	RATE PER CROP YEAR	TOTAL APPLIED
		PERCENT	NUMBER	LBS/ACRE	1,000 LBS	PERCENT	NUMBER	LBS/ACRE	1,000 LBS
ACETOCHLOR	HARNESS	19	1.0	1.286	1,109	---	---	---	---
ATRAZINE	AATREX	33	1.0	0.604	893	---	---	---	---
DICAMBA, DIGLY SALT	CLARITY	2	1.0	0.220	21	---	---	---	---
DICAMBA, SODIUM SALT	CELEBRITY PLUS	3	1.0	0.114	13	---	---	---	---
DIFLUFENZOPYR-SODIUM	DISTINCT	3	1.0	0.045	5	---	---	---	---
GLUFOSINATE-AMMONIUM	RELY	4	1.0	0.399	62	---	---	---	---
GLYPHOSATE	TOUCHDOWN	2	1.0	0.519	54	89	1.6	1.09	4,040
GLYPHOSATE ISO. SALT	ROUNDUP	71	1.4	0.956	3,030	---	---	---	---
ISOXAFLUTOLE	BALANCE	7	1.0	0.058	17	---	---	---	---
MESOTRIONE	LUMAX	11	1.0	0.101	50	---	---	---	---
NICOSULFURON	ACCENT	4	1.0	0.023	4	---	---	---	---
RIMSULFURON	BASIS	4	1.0	0.011	2	---	---	---	---
S-METOLACHLOR	DUAL II MAGNUM	6	1.0	1.256	329	---	---	---	---
GLYPHOSATE DIAM SALT	TOUCHDOWN	---	---	---	---	2	1.0	0.69	52
PENDIMETHALIN	PROWL	---	---	---	---	5	1.0	0.83	168