

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
		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, 1998-2003 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	3,900	94	1.3	62	78	1.0	38	25	1.0	22	95	2/
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	92	1.3	71	78	1.1	42	25	1.1	23	96	2/

1/ DATA FOR SOUTH DAKOTA WAS NOT COLLECTED IN 2002. 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 OR 2003. 2/ INSUFFICIENT REPORTS TO PUBLISH DATA. NA = NOT AVAILABLE.

**CORN AND SOYBEANS:
AGRICULTURAL CHEMICAL APPLICATIONS, 2003 & 2004**

ACTIVE INGREDIENT	TRADE NAME	CORN 2003				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	26	1.0	1.61	1,869	--	--	--	--
ATRAZINE	AATREX	30	1.0	0.68	899	--	--	--	--
BROMOXYNIL	BUCTRIL	4	1.0	0.28	46	--	--	--	--
CLOPYRALID	STINGER	4	1.0	0.08	14	--	--	--	--
DICAMBA	BANVEL	12	1.0	0.23	116	--	--	--	--
DIMETHENAMID-P	GUARDSMAN	3	1.0	0.18	23	--	--	--	--
FLUMETSULAM	PYTHON	4	1.0	0.03	5	--	--	--	--
GLUFOSINATE-AMMONIUM	RELY	4	1.1	0.47	81	--	--	--	--
GLYPHOSATE	ROUNDUP	50	1.5	1.00	2,225	89	1.6	1.09	4,040
ISOXAFLUTOLE	BALANCE	10	1.0	0.07	30	--	--	--	--
MESOTRIONE	LUMAX	6	1.0	0.11	29	--	--	--	--
NICOSULFURON	ACCENT	4	1.0	0.02	4	--	--	--	--
PRIMISULFURON	BEACON	4	1.0	0.02	4	--	--	--	--
RIMSULFURON	BASIS	4	1.0	0.01	2	--	--	--	--
GLYPHOSATE DIAM SALT	TOUCHDOWN	--	--	--	--	2	1.0	0.69	52
PENDIMETHALIN	PROWL	--	--	--	--	5	1.0	0.83	168