

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
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/
2006	1,450	82	1.5	43	57	1.1	31	15	1.0	21	74	3/

1/ DATA FOR SOUTH DAKOTA WAS NOT COLLECTED IN 1999, 2001, 2002, 2003, OR 2005. 2/ 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
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/
2006	1,850	90	1.3	54	80	1.1	35	22	1.1	26	84	2/

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

WINTER WHEAT AND OTHER SPRING WHEAT: AGRICULTURAL CHEMICAL APPLICATIONS, 2006

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, 2-EHE	1/	22	1.2	0.407	129	14	1.0	0.323	82
2,4-D, DIMETH. SALT	1/	12	1.2	0.474	85	10	1.0	0.399	74
2,4-D, ISOPROP. SALT	RT MASTER	7	1.8	0.096	9	--	--	--	--
BROMOXYNIL HEPTANOAT	BUCTRIL	12	1.0	0.290	49	22	1.0	0.291	120
BROMOXYNIL OCTANOATE	1/	19	1.0	0.267	74	34	1.1	0.291	181
CLOPYRALID	WIDEMATCH	3	1.0	0.100	4	6	1.0	0.077	8
DICAMBA, DIMET. SALT	BANVEL	--	--	--	--	8	1.0	0.173	26
FENOXAPROP-P-ETHYL	PUMA	--	--	--	--	8	1.3	0.067	10
FLUROXYPYR 1-MHE	STARANE	4	1.0	0.094	6	8	1.0	0.094	14
GLYPHOSATE ISO. SALT	ROUNDUP	27	1.5	0.725	289	15	1.1	0.624	169
MCPA, 2-ETHYLHEXYL	1/	20	1.0	0.262	77	38	1.1	0.286	201
MESOSULFURON-METHYL	SILVERADO	6	1.0	0.008	1	--	--	--	--
METSULFURON-METHYL	ALLY	13	1.0	0.004	1	7	1.0	0.003	2/
PROPOXYCARBAZONE-SOD	OLYMPUS	6	1.0	0.013	1	--	--	--	--
THIFENSULFURON	HARMONY	17	1.0	0.010	3	10	1.0	0.012	2
TRIBENURON-METHYL	EXPRESS	14	1.0	0.004	1	10	1.0	0.006	1

1/ NO TRADE NAME LISTED DUE TO MULTIPLE BRAND NAMES AVAILABLE. 2/ TOTAL APPLIED IS LESS THAN 500 POUNDS.

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, 2004, OR 2006. 2/ INSUFFICIENT REPORTS TO PUBLISH DATA.

SOYBEANS: FERTILIZER PRIMARY NUTRIENT APPLICATIONS, 1999-2006 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	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
2006	3,950	29	1.0	17	31	1.0	40	8	1.0	27	99	21

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

**CORN AND SOYBEANS:
AGRICULTURAL CHEMICAL APPLICATIONS, 2005 & 2006**

ACTIVE INGREDIENT	TRADE NAME	CORN 2005				SOYBEANS 2006			
		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	---	---	---	---
FLUMIOXAZIN	GANGSTER	---	---	---	---	6	1.0	0.070	17
GLUFOSINATE-AMMONIUM	RELY	4	1.0	0.399	62	---	---	---	---
GLYPHOSATE	TOUCHDOWN	2	1.0	0.519	54	---	---	---	---
GLYPHOSATE ISO. SALT	ROUNDUP	71	1.4	0.956	3,030	97	1.7	1.311	5,047
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	---	---	---	---
PENDIMETHALIN	PROWL	---	---	---	---	4	1.0	0.837	127
S-METOLACHLOR	DUAL II MAGNUM	6	1.0	1.256	329	---	---	---	---
TRIFLURALIN	TREFLAN	---	---	---	---	5	1.0	1.147	216