

AGRICULTURAL CHEMICAL USAGE, SOUTH DAKOTA

WINTER 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
1998	1,500	94	1.5	37	92	1.0	26	2/	2/	2/	88	2/
2000	1,350	91	1.4	35	61	1.0	30	12	1.0	8	56	2/
2004	1,650	77	1.6	51	58	1.2	38	7	1.3	33	66	2/
2006	1,450	82	1.5	43	57	1.1	31	15	1.0	21	74	2/
2009	1,700	83	1.5	48	55	1.0	28	15	1.0	11	91	2/

1/ DATA FOR SOUTH DAKOTA WAS NOT COLLECTED IN 1999, 2001, 2002, 2003, 2005, 2007, or 2008. 2/ 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
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/
2009	1,500	NA	NA	NA	86	1.0	38	19	1.0	21	96	13

1/ DATA FOR SOUTH DAKOTA WAS NOT COLLECTED IN 1999, 2001, 2002, 2003, 2005, 2007, or 2008. 2/ INSUFFICIENT REPORTS TO PUBLISH DATA.

WINTER WHEAT AND OTHER SPRING WHEAT: AGRICULTURAL CHEMICAL APPLICATIONS, 2009

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	ESTER	31	1.3	0.372	196	25	1.1	0.338	127
2,4-D, DIMETH. SALT	1/	13	1.6	0.640	142	--	--	--	--
BROMOXYNIL HEPTANOATE	BUCTRIL	5	1.0	0.176	15	28	1.0	0.174	72
BROMOXYNIL OCTANOATE	BRONATE	10	1.0	0.221	36	43	1.1	0.224	143
CLOPYRALID	STINGER	18	1.1	0.092	28	23	1.0	0.075	26
DICAMBA, DIMETH. SALT	BANVEL	10	1.0	0.081	13	--	--	--	--
FENOXAPROP-P-ETHYL	PUMA	--	--	--	--	20	1.0	0.060	18
FLUROXYPYR 1-MHE	STARANE	26	1.1	0.092	41	26	1.0	0.076	29
GLYPHOSATE ISO. SALT	GLYPHOSATE PRODUCTS	44	1.3	0.842	622	21	1.2	0.728	228
MCPA, 2-ETHYLHEXYL	1/	12	1.0	0.261	53	35	1.2	0.299	157
METHANONE	1/	--	--	--	--	11	1.0	0.022	4
METSULFURON-METHYL	OLYMPUS FLEX, RIMFIRE	18	1.0	0.002	1	--	--	--	--
THIFENSULFURON	HARMONY	25	1.0	0.007	3	20	1.0	0.010	3
TRIBENURON-METHYL	EXPRESS	24	1.0	0.003	1	20	1.0	0.003	1

1/ NO TRADE NAME LISTED DUE TO MULTIPLE BRAND NAMES 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, 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