

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
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/
2012	1,320	84	1.7	44	75	1.0	29	9	1.0	11	75	6

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
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
2012	1,080	97	1.6	51	78	1.1	36	10	1.3	26	93	2/

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, 2012

ACTIVE INGREDIENT	WINTER WHEAT 2012				OTHER SPRING WHEAT 2012			
	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	16	1.1	0.340	73	12	1.0	0.260	33
2,4-D, DIMETH. SALT	5	1.1	0.443	28	D	D	D	D
BROMOXYNIL HEPTANOATE	8	1.0	0.119	12	23	1.0	0.175	44
BROMOXYNIL OCTANOATE	13	1.0	0.180	32	28	1.0	0.197	60
CLOPYRALID MONO SALT	14	1.0	0.067	13	47	1.0	0.080	41
FLUROXYPYR 1-MHE	14	1.0	0.067	13	58	1.0	0.084	53
GLYPHOSATE ISO. SALT	D	D	D	D	6	1.1	0.764	48
GLYPHOSATE POT. SALT	29	1.9	1.377	536	D	D	D	D
KANTOR	--	--	--	--	7	1.0	0.002	1/
LAMBDA-CYHALOTHRIN	5	1.0	0.015	1	7	1.2	0.019	1
MCPA, 2-ETHYLHEXYL	7	1.0	0.252	25	27	1.0	0.287	84
METHANONE	6	1.0	0.023	2	D	D	D	D
PROPICONAZOLE	12	1.0	0.062	10	17	1.0	0.073	13
PROTHIOCONAZOLE	3	1.0	0.087	4	5	1.0	0.080	4
PYRACLOSTROBIN	37	1.0	0.050	25	D	D	D	D
PYROXSULAM	D	D	D	D	8	1.0	0.012	1
TEBUCONAZOLE	11	1.4	0.115	17	D	D	D	D
THIFENSULFURON	36	1.0	0.006	3	22	1.0	0.010	2
TRIBENURON-METHYL	38	1.0	0.005	3	22	1.0	0.003	1
TRIFLOXYSTROBIN	5	1.0	0.047	3	D	D	D	D

D - WITHHELD TO AVOID DISCLOSING DATA FOR INDIVIDUAL OPERATIONS.

AGRICULTURAL CHEMICAL USAGE, SOUTH DAKOTA

CORN: FERTILIZER PRIMARY NUTRIENT APPLICATIONS, SELECTED YEARS 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
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/
2005	4,450	95	1.4	79	79	1.1	40	37	1.0	26	100	12
2010	4,550	99	1.6	83	85	1.1	45	35	1.0	29	100	1

1/ DATA FOR SOUTH DAKOTA WAS NOT COLLECTED IN 2002, 2004, 2006, 2007, 2008, OR 2009. 2/ INSUFFICIENT REPORTS TO PUBLISH DATA.

SOYBEANS: FERTILIZER PRIMARY NUTRIENT APPLICATIONS, SELECTED YEARS 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
2000	4,400	38	1.0	14	43	1.0	35	12	1.0	23	98	NA
2002	4,250	37	1.1	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
2012	4,750	43	1.0	13	49	1.0	47	22	1.0	33	97	17

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

**CORN AND SOYBEANS:
AGRICULTURAL CHEMICAL APPLICATIONS, 2010 & 2012**

ACTIVE INGREDIENT	CORN 2010				SOYBEANS 2012			
	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	37	1.0	1.255	2,117	D	D	D	D
ATRAZINE	38	1.0	0.642	1,117	---	---	---	---
CHLORIMURON-ETHYL	---	---	---	---	5	1.0	0.018	4
CHLORPYRIFOS	---	---	---	---	11	1.4	0.690	348
CLETHODIM	---	---	---	---	16	1.2	0.074	56
DICAMBA, DIMET. SALT	5	1.0	0.61	150	---	---	---	---
FLUMIOXAZIN	---	---	---	---	12	1.0	0.075	43
FOMESAFEN	---	---	---	---	6	1.0	0.093	27
GLYPHOSATE ISO. SALT	93	1.5	1.077	4,550	39	1.8	1.394	2,557
GLYPHOSATE POT. SALT	---	---	---	---	60	1.7	1.543	4,399
IMAZETHAPYR	---	---	---	---	10	1.0	0.038	18
ISOXAFLUTOLE	16	1.0	0.085	62	---	---	---	---
LAMBDA-CYHALOTHRIN	---	---	---	---	5	1.0	0.027	7
MESOTRIONE	3	1.0	0.108	14	---	---	---	---
METRIBUZIN	---	---	---	---	3	1.0	0.190	26
S-METOLACHLOR	---	---	---	---	4	1.0	0.940	191
SULFENTRAZONE	---	---	---	---	7	1.0	0.106	37

D - WITHHELD TO AVOID DISCLOSING DATA FOR INDIVIDUAL OPERATIONS.