

## AGRICULTURAL CHEMICAL USAGE, SOUTH DAKOTA

### WINTER WHEAT, ACREAGE, PERCENT RECEIVING CHEMICALS, NUMBER OF APPLICATIONS, RATE PER APPLICATION, 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
1994	1,350	53	1.3	39	31	1.1	21	3/	3/	3/	84	3/
1995	1,520	53	1.4	27	43	1.0	31	3/	3/	3/	63	3/
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/

1/ DATA FOR SOUTH DAKOTA WAS NOT COLLECTED IN 1999 OR SINCE 2000. 2/ 1994-1997 = ACRES HARVESTED. 3/ INSUFFICIENT REPORTS TO PUBLISH DATA.

### OTHER SPRING WHEAT, ACREAGE, PERCENT RECEIVING CHEMICALS, NUMBER OF APPLICATIONS, RATE PER APPLICATION, 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
1994	2,100	79	1.2	45	66	1.0	23	10	1.0	14	83	2/
1995	1,250	95	1.3	38	68	1.0	26	12	1.0	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/

1/ DATA FOR SOUTH DAKOTA WAS NOT COLLECTED IN 1996, 1999, OR SINCE 2000. 2/ INSUFFICIENT REPORTS TO PUBLISH STATE LEVEL USAGE ESTIMATES.

### WINTER WHEAT AND OTHER SPRING WHEAT, EXTENT OF CHEMICAL USAGE BY ACTIVE INGREDIENT, 2000

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	SEVERAL 1/	PERCENT	NUMBER	LBS/ACRE	1,000 LBS	PERCENT	NUMBER	LBS/ACRE	1,000 LBS
BROMOXNYL	BUCTRIL	26	1.0	0.32	114	56	1.0	0.30	276
CLOPYRALID	STINGER	2/	2/	2/	2/	8	1.0	0.27	37
DICAMBA	BANVEL	2/	2/	2/	2/	12	1.0	0.08	16
GLYPHOSATE	ROUNDUP	15	1.1	0.15	31	42	1.0	0.07	46
MCPA	SEVERAL 1/	39	1.1	0.46	244	--	--	--	--
METSULFURON-METHYL	ALLY	4	1.0	0.35	19	30	1.0	0.31	152
THIFENSULFURON	PINNACLE	20	1.0	0.004	1	10	1.0	0.003	3/
TRIBENURON-METHYL	EXPRESS	--	--	--	--	11	1.0	0.009	2
		--	--	--	--	11	1.0	0.005	1

1/ NO TRADE NAME LISTED DUE TO MULTIPLE BRAND NAMES AVAILABLE. 2/ NOT PUBLISHED. 3/ LESS THAN 1,000 POUNDS.

**AGRICULTURAL CHEMICAL USAGE, SOUTH DAKOTA**

**CORN, ACREAGE, PERCENT RECEIVING CHEMICALS,  
NUMBER OF APPLICATIONS, RATE PER APPLICATION, 1997-2003 <sup>1/</sup>**

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
1997	3,800	96	1.4	60	80	1.0	36	31	1.0	22	93	10
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, ACREAGE, PERCENT RECEIVING CHEMICALS,  
NUMBER OF APPLICATIONS, RATE PER APPLICATION, 1997-2002 <sup>1/</sup>**

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
1997	3,300	35	1.2	29	34	1.0	36	18	1.0	23	90	2/
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	1.1	18	41	1.0	54	15	1.4	27	100	19

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

**CORN AND SOYBEANS,  
FREQUENCY AND EXTENT OF CHEMICAL USAGE, BY ACTIVE INGREDIENT, 2002 & 2003**

ACTIVE INGREDIENT	TRADE NAME	CORN 2003				SOYBEANS 2002			
		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	72	1.5	1.10	3,359
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	--	--	--	--	3	1.4	0.95	120
PENDIMETHALIN	PROWL	--	--	--	--	9	1.0	0.99	371