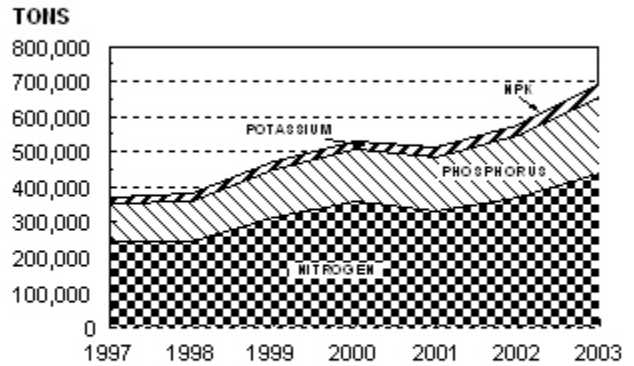


**COMMERCIAL FERTILIZER**

Commercial fertilizer sales in South Dakota increased in 2003. There were 1,458,113 tons (including carrier material) of commercial fertilizer sold, compared to 1,216,555 tons sold in 2002. Actual nutrients (NPK) totaled 699,569 tons, up from the 579,333 tons sold in 2002. Nitrogen accounted for 63 percent of the total NPK, phosphorus (P<sub>2</sub>O<sub>5</sub>) accounted for 31 percent, and potassium (K<sub>2</sub>O) accounted for 6 percent.

The fertilizer 46-0-0 was the most widely used analysis again in 2003 with 576,990 tons. The second most popular was 11-52-0 with 195,177 tons, and the third choice was 18-46-0 with 188,700 tons. These three accounted for 66 percent of all fertilizer sold in South Dakota in 2003.

**PRIMARY NUTRIENTS USED AS FERTILIZER, SOUTH DAKOTA, 1997-2003**



**COMMERCIAL FERTILIZER SOLD, SOUTH DAKOTA, 1997-2003**

YEAR	TOTAL CONSUMPTION 1/	NUTRIENTS REPORTED SOLD 2/			
		TOTAL NITROGEN (N)	PHOSPHORUS (P <sub>2</sub> O <sub>5</sub> )	POTASSIUM (K <sub>2</sub> O)	NPK
----- TONS -----					
1997	785,798	249,224	104,065	20,297	373,586
1998	809,123	249,348	112,064	20,090	381,502
1999	1,001,023	314,735	140,052	20,193	474,980
2000	1,132,294	361,190	146,635	22,179	530,004
2001	1,085,386	332,077	153,896	26,611	512,584
2002	1,216,555	372,318	172,528	34,487	579,333
2003	1,458,113	438,545	217,877	43,147	699,569

1/ AMOUNT OF FERTILIZER PRODUCT. 2/ AMOUNT OF ACTUAL PLANT NUTRIENTS REPORTED AS NITROGEN (N), PHOSPHORUS (P<sub>2</sub>O<sub>5</sub>), AND POTASSIUM (K<sub>2</sub>O). NPK IS THE SUM OF THE AFOREMENTIONED PLANT NUTRIENTS.

**15 LEADING GRADES OF FERTILIZER SOLD, SOUTH DAKOTA, 2002-2003**

2002			2003		
RANK	FERTILIZER	TONS	RANK	FERTILIZER	TONS
1	46-0-0	538,720	1	46-0-0	576,990
2	18-46-0	149,550	2	11-52-0	195,177
3	11-52-0	130,110	3	18-46-0	188,700
4	28-0-0	113,521	4	28-0-0	169,241
5	10-34-0	64,332	5	32-0-0	85,549
6	0-0-60	50,472	6	0-0-60	64,764
7	32-0-0	37,910	7	10-34-0	60,264
8	82-0-0	24,427	8	82-0-0	30,494
9	21-0-0	14,301	9	21-0-0	15,141
10	10-50-0	9,349	10	30-0-0	8,144
11	30-0-0	5,292	11	0-68-0	5,858
12	10-30-0	4,391	12	24-0-0	4,771
13	0-68-0	4,268	13	0-0-62	3,552
14	24-0-0	4,017	14	27-0-0	3,278
15	0-0-62	3,956	15	12-0-0	3,088

SOURCE: SOUTH DAKOTA DEPARTMENT OF AGRICULTURE, DIVISION OF AGRICULTURAL SERVICES.