

Winter Wheat: Fertilizer Primary Nutrient Applications, Program States and Total, 2004

Primary Nutrient	Planted Acreage	Area Applied	Applications	Rate per Application	Rate per Crop Year	Total Applied
	<i>1,000 Acres</i>	<i>Percent</i>	<i>Number</i>	<i>Lbs per Acre</i>	<i>Lbs per Acre</i>	<i>Mil. Lbs.</i>
Colorado	2,300					
Nitrogen		59	1.4	27	38	51.2
Phosphate		31	1.3	17	23	15.8
Potash		5	1.1	24	25	2.7
Idaho	750					
Nitrogen		89	2.0	68	134	89.2
Phosphate		62	1.4	29	40	18.5
Potash		31	1.5	18	26	6.1
Illinois	920					
Nitrogen		98	2.1	55	115	103.2
Phosphate		85	1.3	75	94	74.2
Potash		77	1.3	104	130	92.3
Kansas	10,000					
Nitrogen		90	2.2	39	87	788.6
Phosphate		62	1.5	29	45	281.8
Potash		6	1.4	26	37	23.4
Michigan	660					
Nitrogen		97	2.2	53	115	73.5
Phosphate		71	1.2	50	59	27.5
Potash		77	1.2	64	75	38.4
Missouri	1,050					
Nitrogen		97	2.0	61	124	125.9
Phosphate		84	1.2	50	60	52.9
Potash		86	1.2	66	78	70.0
Montana	1,900					
Nitrogen		92	1.6	30	47	83.0
Phosphate		83	1.1	28	30	47.3
Potash		21	1.1	9	10	3.9
Nebraska	1,850					
Nitrogen		73	1.8	32	57	76.4
Phosphate		42	1.2	26	31	24.3
Potash		3	1.7	13	22	1.2
Ohio	920					
Nitrogen		100	2.2	44	100	91.6
Phosphate		95	1.1	66	75	65.8
Potash		90	1.2	72	84	69.5
Oklahoma	6,200					
Nitrogen		92	2.3	44	100	571.0
Phosphate		62	1.5	26	39	147.8
Potash		13	1.4	19	26	22.0

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and Total, 2004, (continued)**

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Oregon	820					
Nitrogen		96	1.4	57	82	64.7
Phosphate		11	1.6	35	57	5.3
Potash		6	1.3	38	50	2.5
South Dakota	1,650					
Nitrogen		77	1.6	51	83	105.8
Phosphate		58	1.2	38	47	44.6
Potash		7	1.3	33	43	5.1
Texas	6,300					
Nitrogen		64	1.8	47	86	347.7
Phosphate		35	1.4	37	53	116.6
Potash		9	1.1	15	17	9.6
Washington	1,800					
Nitrogen		97	1.5	61	93	161.2
Phosphate		24	1.6	18	27	11.6
Potash		3	1.6	17	28	1.4
Total	37,120					
Nitrogen		84	2.0	44	88	2,733.0
Phosphate		55	1.4	33	46	934.0
Potash		16	1.2	47	58	348.1

Other Winter Wheat Chemical Use Highlights

Producers in the surveyed states applied nitrogen fertilizer to 84 percent of the winter wheat planted acreage. The average number of nitrogen applications per acre was 2.0 with an average application rate of 44 pounds per acre; 2,733 million total pounds were applied. Phosphate was applied on 55 percent of the winter wheat planted acreage; 934 million total pounds were applied. Potash was applied to 16 percent of the planted acreage.

Forty-five percent of the winter wheat planted acreage was treated with herbicides. The mostly widely used herbicides were metusulfuron-methyl, glyphosate and 2,4-D.