

Wheat *Response Trial - 2007*

PELLETIZED LIMESTONE TECHNOLOGY

Wheat Response to Pelletized Lime

Treatment	Time of Treatment (F) = Fall; (S) = Spring	2007 Yield	Yield Gain Over N/P/K Control	Gross \$ Value/acre @ \$7.60/bu	Crop Straw lbs/acre	5-Year Ave. Yield Bu/Acre
1	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">F</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">S</div> <div style="border: 1px solid black; padding: 2px;">F</div> </div> 200 lbs Pellet Lime 100 lbs Nitrogen (Actual N) 250 lbs 9-23-30	75.30 bu	11.8 bu	\$572.30	38 lbs	82.7 bu
2	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">S</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">S</div> <div style="border: 1px solid black; padding: 2px;">F</div> </div> 200 lbs Pellet Lime 100 lbs Nitrogen (Actual N) 250 lbs 9-23-30	77	13.5	\$585.20	37	82.5
3	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">S</div> <div style="border: 1px solid black; padding: 2px;">F</div> </div> 100 lbs Nitrogen (Actual N) 250 lbs 9-23-30	63.5	—	\$482.60	33	72
4	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">S</div> </div> 100 lbs Nitrogen (Actual N)	56	—	\$425.60	30	62
LSD (P=.05) C.V.		3.94 bu 3.62%	Additional Test Notes: Ave. soil pH-6.3; CEC-7.7; P levels “High; K levels “High”; 4 reps; conducted by Arise Research			

Comments

The Pellet Lime treatments (1 & 2) yielded significantly higher compared to the control treatments (3 & 4). Gains of 11.8 to 13.5 bushels/acre were realized with Pellet Lime. The 2007 data show that Spring and Fall Pellet Lime applications are both very effective treatment times. Note the running “5-Year” average yield with all treatments. The Pellet Lime treatments are out-yielding the fertilizer control by 10 bushel per acre! The additional straw gained is an added bonus.