

# Wheat Response Trial - 2006

## PELLETIZED LIMESTONE TECHNOLOGY

**Table 4 - Wheat Response to Pelletized Lime**

Treatment	Time of Treatment (F)= Fall; (S)=Spring	2006 Yield	Yield Gain Over N/P/K Control	Gross Dollar Value* Per Acre	4-Year Avg. Yield Bu/Acre			
<b>1</b>	<table border="1"> <tr><td>F</td></tr> <tr><td>S</td></tr> <tr><td>F</td></tr> </table> 200 lbs <b>Pellet Lime</b> 100 lbs Nitrogen (Actual N) 250 lbs 9-23-30	F	S	F	<b>84.45 bu</b>	<b>12.35 bu</b>	<b>\$295.58</b>	<b>84.57 bu</b> <i>Fall Applied Pellet Lime</i>
F								
S								
F								
<b>2</b>	<table border="1"> <tr><td>S</td></tr> <tr><td>S</td></tr> <tr><td>F</td></tr> </table> 200 lbs <b>Pellet Lime</b> 100 lbs Nitrogen (Actual N) 250 lbs 9-23-30	S	S	F	<b>79.98 bu</b>	<b>7.88 bu</b>	<b>\$279.93</b>	<b>83.92 bu</b> <i>Spring Applied Pellet Lime</i>
S								
S								
F								
<b>3</b>	<table border="1"> <tr><td>S</td></tr> <tr><td>F</td></tr> </table> 100 lbs Nitrogen (Actual N) 250 lbs 9-23-30	S	F	72.10 bu	--	\$252.35	74.28 bu	
S								
F								
<b>4</b>	<table border="1"> <tr><td>S</td></tr> </table> 100 lbs Nitrogen (Actual N)	S	65.95 bu	--	\$230.08	63.69 bu		
S								
LSD (P=.05) C.V.		2.465 bu 2.04%	<b>Add'l Test Notes:</b> Ave. soil pH = 6.5; CEC-11; P levels "High"; K levels "Medium"; 4 reps; Wheat \$3.50/B					

## Comments

The Pellet Lime treatments yielded significantly higher as compared to the other treatments and control. Gains of nearly 8 to over 12 bushels/acre were realized with Pellet Lime. This is the first time in four years of this study that we have seen a positive

statistical difference favoring fall applied Pellet Lime over spring applied Pellet Lime with urea. However, based on historical data, both application timings have proved to be equally effective for maximizing return on investment.