

Project: N for protein - Product comparison

Trial: LB1302

District: Pilton

Variety: EGA Gregory

Application date: 17/10/2013 GS61

Disclaimer:

This document is based on the results from an individual trial and may contain experimental use patterns that are currently off-label. **This document does not provide any interpretation and should not be taken as an endorsement of any unregistered use pattern.**

Professional advice should be sought for specific recommendations to ensure access to the most up to date information and knowledge.

Any product referred to in this document must be used strictly as directed, and in accordance with all label or permit instructions. Always consult the label prior to use.

Trt No	Product	Units of N applied (kg/ha)	Method	01/08/13 (23DAP)	15/11/13 (129DAP)	
				Establishment Plants/m ²	Harvest kg/ha	% of Untreated
1	Untreated	-	-	83.5	2347	-
2	Urea	20	Spread	80.9	2633	112
3	Urea	40	Spread	78.5	2685	114
4	Ranger	20	Foliar	81.3	2864	122
5	Ranger	40	Foliar	84.7	2709	115
6	N42	20	Foliar	84.7	2346	100
7	N42	40	Foliar	82.6	2418	103
8	Liquid Urea with Ni & S	20	Foliar	84.5	2914	124
9	Liquid Urea with Ni & S	40	Foliar	81.6	2566	109
				P =	0.98	0.27
				LSD =	nsd	nsd
				CV =		13.9%

Trt No	Product	Units of N applied (kg/ha)	Method	Grain Quality		
				Protein %	Moisture %	Test Weight kg/hL
1	Untreated	-	-	13.4 ab	12.9	75.6
2	Urea	20	Spread	12.9 bc	12.7	76.3
3	Urea	40	Spread	12.9 bc	12.8	76.3
4	Ranger	20	Foliar	12.8 c	12.9	75.9
5	Ranger	40	Foliar	13.3 abc	12.7	76.0
6	N42	20	Foliar	13.4 abc	12.9	76.1
7	N42	40	Foliar	13.8 a	12.8	75.3
8	Liquid Urea with Ni & S	20	Foliar	12.9 bc	12.8	76.6
9	Liquid Urea with Ni & S	40	Foliar	13.2 bc	12.9	76.8
				P =	0.03	0.21
				LSD =	0.6	nsd

Factorial Analysis (Treatments 2 - 9)	15/11/13 (129DAP)	
	Yield	
	kg/ha	% of Untreated
Rate (kg N/Ha)		
20	2689	115
40	2595	111
P =	0.42	
LSD =	nsd	
Product		
Urea	2659 ab	113
Ranger	2787 a	119
N42	2382 b	101
Ranger + Ni + S	2740 a	117
P =	0.09	
LSD =	277 (10%)	
Rate x Product		
P =	0.53	
LSD =	nsd	

Factorial Analysis (Treatments 2 - 9)	Grain Quality				
	Protein %	Moisture %	Test Weight kg/hL	Screenings %	N Recovery kg N/ha
Rate (kg N/ha)					
20	13.0 b	12.84 a	76.2	9.0	61.2
40	13.3 a	12.76 b	76.1	8.9	60.4
P =	0.02	0.08	0.77	0.85	0.74
LSD =	0.24	0.07 (10%)	nsd	nsd	nsd
Product					
Urea	12.9 b	12.7	76.3	9.5	60.2
Ranger	13.0 b	12.8	76.0	9.0	63.7
N42	13.6 a	12.9	75.7	9.2	56.8
Ranger + Ni + S	13.0 b	12.8	76.7	8.1	62.6
P =	0.00	0.21	0.42	0.49	0.19
LSD =	0.34	nsd	nsd	nsd	nsd
Rate x Product					
P =	0.53	0.04	0.82	0.95	0.47
LSD =	nsd	0.17	nsd	nsd	nsd