Project: N for protein - Product comparison
Trial: LB1304
District: Brookstead
Planting date: 19/06/2013

Application date: 23/09/2013
Crop stage: GS61 start of anthesis

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	Method of Application	16/07/2013	24/10/2013	07/11/13 (141DAP)	
				Establishment	NDVI	Yield	
				Plants/m^2	Ratio	kg/ha	% of Untreated
1	Untreated	-	-	87	0.38	5693	-
2	Urea	20	Spread	92	0.36	5383	95
3	Urea	40	Spread	86	0.35	5585	98
4	Ranger	20	Foliar	84	0.38	5628	99
5	Ranger	40	Foliar	87	0.37	5243	92
6	N42	20	Foliar	91	0.35	5540	97
7	N42	40	Foliar	83	0.41	5633	99
8	Liquid Urea with Ni & S	20	Foliar	87	0.40	5558	98
9	Liquid Urea with Ni & S	40	Foliar	93	0.42	5850	103
			P =	0.62	0.81	0.51	
			LSD =	nsd	nsd	nsd	
			CV =			6.6%	

Trt No.	Product	Units of N applied	Method of Application	Grain Quality				
				Protein	Moisture	Test Weight	Screenings	N Recovery
				%	%	kg/hL	%	kg N/ha
1	Untreated	-	-	13.4	10.7	82.0	2.5	134
2	Urea	20	Spread	13.5	10.6	81.5	3.4	128
3	Urea	40	Spread	13.4	10.7	81.5	2.9	132
4	Ranger	20	Foliar	13.4	10.7	81.3	3.6	133
5	Ranger	40	Foliar	13.7	10.6	81.1	3.4	126
6	N42	20	Foliar	13.6	10.7	81.4	2.9	132
7	N42	40	Foliar	13.5	10.7	81.4	2.3	134
8	Liquid Urea with Ni & S	20	Foliar	13.4	10.7	81.4	3.0	131
9	Liquid Urea with Ni & S	40	Foliar	13.5	10.6	81.4	2.5	139
			P =	0.74	0.93	0.86	0.75	0.49
			LSD =	nsd	nsd	nsd	nsd	nsd

Factorial Analysis (Treatments 2 - 9)	16/07/2013	24/10/2013	07/11/13 (141DAP)
	Establishment Plants/m^2	NDVI Ratio	Yield kg/ha
Rate (kg of N/Ha)			
20	88	0.38	5527
40	87	0.37	5578
P =	0.68	0.73	0.68
LSD =	nsd	nsd	nsd
Product			
Urea	90	0.41	5704
Ranger	87	0.40	5586
N42	85	0.35	5435
Ranger + Ni + S	89	0.35	5484
P =	0.65	0.26	0.42
LSD =	nsd	nsd	nsd
Rate x Product			
P =	0.20	0.80	0.22
LSD =	nsd	nsd	nsd

Factorial Analysis (Treatments 2 - 9)	Grain Quality				
	Protein %	Moisture %	Test Weight kg/hL	Screenings %	N Recovery kg N/ha
Rate (kg of N/Ha)					
20	13.5	10.7	81.4	3.2	131
40	13.5	10.6	81.3	2.8	133
P =	0.54	0.63	0.83	0.32	0.47
LSD =	nsd	nsd	nsd	nsd	nsd
Product					
Urea	13.4	10.6	81.4	2.7	135
Ranger	13.5	10.7	81.4	2.6	133
N42	13.6	10.6	81.2	3.5	130
Ranger + Ni + S	13.5	10.6	81.5	3.1	130
P =	0.76	0.84	0.85	0.46	0.36
LSD =	nsd	nsd	nsd	nsd	nsd
Rate x Product					
P =	0.51	0.62	0.99	0.99	0.23
LSD =	nsd	nsd	nsd	nsd	nsd