

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.

N management in wheat 2014

Trial ID: LB1412
Protocol ID: NGA1408

Location: Tummalville
Investigator: Linda Bailey

Trial Year: 2014

Planting Date	23/7/2014		
Planting Equipment	Small plot planter		
Row Spacing	35cm		
Target population	139 pl/m2		
Application Code	A	B	C
Application Date	23/7/2014	23/7/2014	16/9/2014
Application method	Spread		
Target/stage	Pre-plant	PSPE	GS 30
Harvest Date	19/11/2014		
Harvest Equipment	Small plot harvester		

Crop Name: Crop Variety: Rating Date: Rating Type: Rating Unit: Crop Stage Majority: Days After First/Last Application: Plant-Evaluation Interval: ARM Action Codes:						Wheat EGA Gregory				
						12/08/2014 EMERGE /m2 12 20 20 20 DP1	29/09/2014 NDVI RATIO 37 68 13 68 DP1	20/10/2014 NDVI RATIO 61 89 34 89 DP1	19/11/2014 YIELD kg/ha 99 119 64 119 DP1	PROTEIN % 99 169 DP1
Trt No	Treatment	Product Rate	Nitrogen Rate	Growth Stage	Appl. Code	1	2	3	4	5
1	Untreated	-	-	-	-	64 -	0.602 f	0.540 e	1923 -	10.8 j
2	Urea	109 kg/ha	50 kg ai/ha	PREPLA	A	78 -	0.669 b-e	0.620 a-d	2107 -	12.8 f-i
3	Urea	217 kg/ha	100 kg ai/ha	PREPLA	A	69 -	0.701 abc	0.654 ab	2059 -	14.4 bcd
4	Urea	435 kg/ha	200 kg ai/ha	PREPLA	A	66 -	0.741 a	0.686 a	1902 -	15.6 a
5	Urea	109 kg/ha	50 kg ai/ha	PREPLA	A	70 -	0.713 ab	0.649 abc	2145 -	14.4 bc
	Urea	109 kg/ha	50 kg ai/ha	GS30	C					
6	Urea	217 kg/ha	100 kg ai/ha	PSPE	B	73 -	0.752 a	0.655 ab	2126 -	14.8 ab
7	ESN	65 kg/ha	30 kg ai/ha	PREPLA	A	72 -	0.614 ef	0.573 de	1947 -	12.0 i
	Urea	43.5 kg/ha	20 kg ai/ha	PREPLA	A					
8	ESN	83 kg/ha	38.2 kg ai/ha	PREPLA	A	76 -	0.635 def	0.578 cde	2043 -	12.1 i
	Urea	55.3 kg/ha	25.44 kg ai/ha	PREPLA	A					
9	ESN	130 kg/ha	60 kg ai/ha	PREPLA	A	75 -	0.690 a-d	0.623 a-d	2062 -	13.1 e-h
	Urea	87 kg/ha	40 kg ai/ha	PREPLA	A					
10	Agrocote N38	34 kg/ha	15 kg ai/ha	PREPLA	A	74 -	0.645 c-f	0.611 a-e	1942 -	12.8 f-i
	Urea	76 kg/ha	35 kg ai/ha	PREPLA	A					
11	Agrocote N38	57 kg/ha	25 kg ai/ha	PREPLA	A	77 -	0.666 b-f	0.602 b-e	1950 -	13.2 e-h
	Urea	127 kg/ha	58.4 kg ai/ha	PREPLA	A					
12	Agrocote N38	68 kg/ha	30 kg ai/ha	PREPLA	A	63 -	0.673 b-e	0.640 a-d	1979 -	13.8 cde
	Urea	152 kg/ha	70 kg ai/ha	PREPLA	A					
13	eNtrench	2.5 l/ha	0.443 kg ai/ha	PREPLA	A	68 -	0.635 def	0.600 b-e	1985 -	12.4 hi
	Urea	109 kg/ha	50 kg ai/ha	PREPLA	A					
14	eNtrench	2.5 l/ha	0.443 kg ai/ha	PREPLA	A	72 -	0.654 b-f	0.591 b-e	1969 -	12.8 f-i
	Urea	135 kg/ha	62 kg ai/ha	PREPLA	A					
15	eNtrench	2.5 l/ha	0.443 kg ai/ha	PREPLA	A	73 -	0.718 ab	0.652 abc	2201 -	14.1 b-e
	Urea	217 kg/ha	100 kg ai/ha	PREPLA	A					
16	Entec	109 kg/ha	50 kg ai/ha	PREPLA	A	70 -	0.664 b-f	0.612 a-e	2129 -	12.7 ghi
17	Entec	194 kg/ha	89.3 kg ai/ha	PREPLA	A	69 -	0.689 a-d	0.655 ab	2190 -	13.6 c-f
18	Entec	217 kg/ha	100 kg ai/ha	PREPLA	A	68 -	0.669 b-e	0.621 a-d	2083 -	13.5 d-g
LSD P=.05 CV						nsd	0.0645	0.0749	nsd	0.93
Treatment Prob.(F)						0.7915	0.0006	0.0427	0.4667	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

Mean comparisons performed only when AOV Treatment P (F) is significant at mean comparison OSL.

N management in wheat 2014

Trial ID: LB1412
Protocol ID: NGA1408

Location: Tummaville
Investigator: Linda Bailey

Trial Year: 2014

Crop Name: Rating Type: Rating Unit: Crop Stage Majority: Plant-Evaluation Interval: ARM Action Codes:						Wheat					
						TEST WEIGHT kg/hL 99 169 DP1	SCREENINGS % 99 169 DP1	N RECOVERY kg N/ha 99 169 DP1 T1			
						6	7	8			
Trt No.	Treatment	Product Rate	Nitrogen Rate	Growth Stage	Appln Code						
1	Untreated	-	-	-	-	77.3	1.6	36.3	-	-	f
2	Urea	109 kg/ha	50 kg ai/ha	PREPLA	A	76.4	2.0	47.2	-	-	b-e
3	Urea	217 kg/ha	100 kg ai/ha	PREPLA	A	76.0	2.2	51.8	-	-	abc
4	Urea	435 kg/ha	200 kg ai/ha	PREPLA	A	74.8	2.5	51.8	-	-	abc
5	Urea	109 kg/ha	50 kg ai/ha	PREPLA	A	75.0	1.9	53.9	-	-	ab
	Urea	109 kg/ha	50 kg ai/ha	GS30	C						
6	Urea	217 kg/ha	100 kg ai/ha	PSPE	B	76.0	2.3	54.8	-	-	a
7	ESN	65 kg/ha	30 kg ai/ha	PREPLA	A	77.4	1.6	40.8	-	-	ef
	Urea	43.5 kg/ha	20 kg ai/ha	PREPLA	A						
8	ESN	83 kg/ha	38.2 kg ai/ha	PREPLA	A	77.0	1.8	43.3	-	-	de
	Urea	55.3 kg/ha	25.44 kg ai/ha	PREPLA	A						
9	ESN	130 kg/ha	60 kg ai/ha	PREPLA	A	76.8	1.9	47.2	-	-	b-e
	Urea	87 kg/ha	40 kg ai/ha	PREPLA	A						
10	Agrocote N38	34 kg/ha	15 kg ai/ha	PREPLA	A	76.8	2.0	43.3	-	-	de
	Urea	76 kg/ha	35 kg ai/ha	PREPLA	A						
11	Agrocote N38	57 kg/ha	25 kg ai/ha	PREPLA	A	77.4	2.1	44.7	-	-	de
	Urea	127 kg/ha	58.4 kg ai/ha	PREPLA	A						
12	Agrocote N38	68 kg/ha	30 kg ai/ha	PREPLA	A	76.9	1.9	47.5	-	-	b-e
	Urea	152 kg/ha	70 kg ai/ha	PREPLA	A						
13	eNtrench	2.5 l/ha	0.443 kg ai/ha	PREPLA	A	76.6	1.8	43.1	-	-	def
	Urea	109 kg/ha	50 kg ai/ha	PREPLA	A						
14	eNtrench	2.5 l/ha	0.443 kg ai/ha	PREPLA	A	77.3	1.9	43.8	-	-	de
	Urea	135 kg/ha	62 kg ai/ha	PREPLA	A						
15	eNtrench	2.5 l/ha	0.443 kg ai/ha	PREPLA	A	75.0	2.1	54.0	-	-	ab
	Urea	217 kg/ha	100 kg ai/ha	PREPLA	A						
16	Entec	109 kg/ha	50 kg ai/ha	PREPLA	A	76.7	2.0	46.9	-	-	cde
17	Entec	194 kg/ha	89.3 kg ai/ha	PREPLA	A	74.5	2.0	52.0	-	-	abc
18	Entec	217 kg/ha	100 kg ai/ha	PREPLA	A	75.4	2.1	48.9	-	-	a-d
LSD P=.05						nsd	nsd	6.89			
CV											
Treatment Prob.(F)						0.3213	0.0899	0.0001			

Rating Type

EMERGE = emergence
NDVI = normalized difference vegetation index
YIELD = yield

Rating Unit

/m² = per square meter
RATIO = ratio
KG/HA = kilograms per hectare
% = percent

Crop Stage Majority

12 = 2 leaves unfolded
37 = Flag leaf just visible, still rolled
61 = Beginning of flowering: first anthers visible
99 = Harvested product

Plant-Evaluation Interval

20 DP-1 = 1 TRZAW Jul-23-2014
68 DP-1 = 1 TRZAW Jul-23-2014
89 DP-1 = 1 TRZAW Jul-23-2014
119 DP-1 = 1 TRZAW Jul-23-2014

ARM Action Codes

T1 = [C4]*([C5]/100)*.175

Application Equipment

	A	B	C
Application Equipment:	Hand spread		
Equipment Type:	MANUAL SPREAD		