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: AM1410 **Location:** Narrabri **Trial Year:** 2014
Protocol ID: NGA1408 **Investigator:** Anthony Mitchell

Planting Date:	**11/06/2014**		
Planting Equipment:	**Narrow point tyne plot planter**		
Row Spacing:	**32cm**		
Planting Rate:	**100 pl/m2**		
Application Code:	**A**	**B**	**C**
Application Date:	**11/06/2014**	**11/06/2014**	**13/8/2014**
Target/stage:	**Pre-plant/IBS**	**PSPE**	**GS 30**

Crop Name:					**Wheat**					
Crop Variety:					**EGA Gregory**					
Rating Date:					**24/06/2014**	**26/07/2014**	**17/09/2014**	**13/11/2014**		
Rating Type:					**EMERGE**	**NDVI**	**NDVI**	**YIELD**	**PROTEIN**	**TEST WEIGHT**
Rating Unit:					**m²**	**Ratio**	**Ratio**	**kg/ha**	**%**	**kg/hL**
Crop Stage Majority:					**11**	**15-16**	**43**			
Days After First/Last Application:					**13 13**	**45 45**	**98 35**	**155 92**		
Plant-Evaluation Interval:					**13 DP1**	**45 DP1**	**98 DP1**	**155 DP1**		
ARM Action Codes:					**T1**					
Trt No.	**Treatment**	**Product Rate**	**Nitrogen Rate**	**Appln. Code**	**2**	**3**	**4**	**5**	**6**	**7**
1	Untreated	-	-	-	56 -	0.31 -	0.67 i	3143 e	10.9 j	80.1 a
2	Urea	109 kg/ha	50kg ai/ha	A	57 -	0.32 -	0.82 fg	3520 b-e	12.5 d-g	79.3 abc
3	Urea	217 kg/ha	100kg ai/ha	A	56 -	0.32 -	0.86 a-d	3760 a-d	13.0 bcd	78.1 cde
4	Urea	435 kg/ha	200kg ai/ha	A	56 -	0.34 -	0.87 a	3850 abc	13.9 a	76.8 e
5	Urea	109 kg/ha	50kg ai/ha	A	63 -	0.34 -	0.86 abc	3770 a-d	13.5 ab	78.3 cd
	Urea	109 kg/ha	50kg ai/ha	C						
6	Urea	217 kg/ha	100kg ai/ha	B	62 -	0.34 -	0.87 ab	3975 a	13.2 bc	77.7 de
7	ESN	65 kg/ha	30kg ai/ha	A	61 -	0.33 -	0.78 h	3413 de	11.7 i	80.1 ab
	Urea	43.5 kg/ha	20kg ai/ha	A						
8	ESN	83 kg/ha	38.2kg ai/ha	A	62 -	0.33 -	0.78 h	3465 cde	11.8 hi	80.3 a
	Urea	55.3 kg/ha	25.44kg ai/ha	A						
9	ESN	130 kg/ha	60kg ai/ha	A	60 -	0.32 -	0.84 def	3708 a-d	13.1 bc	79.4 abc
	Urea	87 kg/ha	40kg ai/ha	A						
10	Agrocote N38	34 kg/ha	15kg ai/ha	A	56 -	0.33 -	0.81 g	3483 b-e	11.9 ghi	80.1 ab
	Urea	76 kg/ha	35kg ai/ha	A						
11	Agrocote N38	57 kg/ha	25kg ai/ha	A	58 -	0.34 -	0.83 efg	3705 a-d	12.4 e-h	78.9 a-d
	Urea	127 kg/ha	58.4kg ai/ha	A						
12	Agrocote N38	68 kg/ha	30kg ai/ha	A	62 -	0.32 -	0.84 c-f	3865 ab	12.4 e-h	78.4 cd
	Urea	152 kg/ha	70kg ai/ha	A						
13	eNtrench	2.5 l/ha	0.442kg ai/ha	A	59 -	0.33 -	0.83 fg	3760 a-d	12.2 f-i	78.9 a-d
	Urea	109 kg/ha	50kg ai/ha	A						
14	eNtrench	2.5 l/ha	0.442kg ai/ha	A	55 -	0.31 -	0.85 b-e	3678 a-d	12.8 c-f	78.9 a-d
	Urea	135 kg/ha	62kg ai/ha	A						
15	eNtrench	2.5 l/ha	0.442kg ai/ha	A	55 -	0.32 -	0.86 a-d	3670 a-d	13.3 abc	77.4 de
	Urea	217 kg/ha	100kg ai/ha	A						
16	Entec	109 kg/ha	50kg ai/ha	A	53 -	0.31 -	0.83 efg	3680 a-d	12.5 d-g	79.3 abc
17	Entec	194 kg/ha	89.3kg ai/ha	A	62 -	0.33 -	0.85 a-d	3875 ab	12.9 b-e	78.0 cde
18	Entec	217 kg/ha	100kg ai/ha	A	63 -	0.33 -	0.84 def	3750 a-d	13.1 bc	78.6 bcd
				LSD (P=.05)	11.5	0.035	0.021	394.3	0.61	1.50
				CV				7.6		
				Treatment Prob.(F)	0.9015	0.8574	0.0001	0.0232	0.0001	0.0002

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: AM1410 **Location:** Narrabri **Trial Year:** 2014
Protocol ID: NGA1408 **Investigator:** Anthony Mitchell

Trt No.	Treatment	Product Rate	Application Rate	Appln. Code	SCREENINGS % w/w	N RECOVERY (kg N/ha)
	Crop Name:				**Wheat**	
	Crop Variety:				**EGA Gregory**	
	Rating Date:					
	Rating Type:					
	Rating Unit:					
	Crop Stage Majority:					
	Days After First/Last Application:					
	Plant-Evaluation Interval:					
	ARM Action Codes:					T2
					8	9
1	Untreated	-	-	-	1.7 -	59.8f
2	Urea	109kg/ha	50kg ai/ha	A	1.4 -	76.6cde
3	Urea	217kg/ha	100kg ai/ha	A	1.5 -	85.5abc
4	Urea	435kg/ha	200kg ai/ha	A	1.1 -	93.3a
5	Urea	109kg/ha	50kg ai/ha	A	1.2 -	89.2ab
	Urea	109kg/ha	50kg ai/ha	C		
6	Urea	217kg/ha	100kg ai/ha	B	1.5 -	92.1a
7	ESN	65kg/ha	30kg ai/ha	A	1.4 -	69.9e
	Urea	43.5kg/ha	20kg ai/ha	A		
8	ESN	83kg/ha	38.2kg ai/ha	A	1.8 -	71.7de
	Urea	55.3kg/ha	25.44kg ai/ha	A		
9	ESN	130kg/ha	60kg ai/ha	A	1.7 -	84.9abc
	Urea	87kg/ha	40kg ai/ha	A		
10	Agrocote N38	34kg/ha	15kg ai/ha	A	1.3 -	72.2de
	Urea	76kg/ha	35kg ai/ha	A		
11	Agrocote N38	57kg/ha	25kg ai/ha	A	1.2 -	80.0bcd
	Urea	127kg/ha	58.4kg ai/ha	A		
12	Agrocote N38	68kg/ha	30kg ai/ha	A	1.4 -	83.7abc
	Urea	152kg/ha	70kg ai/ha	A		
13	eNtrench	2.5l/ha	0.442kg ai/ha	A	0.8 -	80.3bcd
	Urea	109kg/ha	50kg ai/ha	A		
14	eNtrench	2.5l/ha	0.442kg ai/ha	A	1.0 -	82.4bc
	Urea	135kg/ha	62kg ai/ha	A		
15	eNtrench	2.5l/ha	0.442kg ai/ha	A	1.1 -	85.0abc
	Urea	217kg/ha	100kg ai/ha	A		
16	Entec	109kg/ha	50kg ai/ha	A	1.2 -	80.3bcd
17	Entec	194kg/ha	89.3kg ai/ha	A	0.9 -	87.7ab
18	Entec	217kg/ha	100kg ai/ha	A	0.8 -	85.8abc
				LSD (P=.05)	0.64	9.73
				Treatment Prob.(F)	0.0586	0.0001

Rating Type
- EMERGE = emergence
- NDVI = normalized difference vegetation index
- YIELD = yield

Rating Unit
- m2 = square meter
- KG/HA = kilograms per hectare
- % = percent

Crop Stage Majority
- 11 = First leaf unfolded
- 43 = Mid boot stage: flag leaf sheath just visibly swollen

Plant-Evaluation Interval
- 13 DP-1 = 1 TRZAS Jun-11-2014
- 45 DP-1 = 1 TRZAS Jun-11-2014
- 98 DP-1 = 1 TRZAS Jun-11-2014
- 155 DP-1 = 1 TRZAS Jun-11-2014

ARM Action Codes
- T1 = [C1]/1.28
- T2 = [C5]*([C6]/100)*.175

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