

**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:** RN1415  
**Protocol ID:** NGA1408

**Location:** Moree  
**Investigator:** Rachel Norton

**Trial Year:** 2014

<b>Crop/Variety:</b>	Wheat cv. EGA Gregory		
<b>Planting Date:</b>	20/05/2014		
<b>Planting Equipment:</b>	Small plot tyne planter		
<b>Row Spacing:</b>	32cm		
<b>Target plant stand:</b>	100 pl/m <sup>2</sup>		
<b>Application Code:</b>	A	B	C
<b>Application Date:</b>	20/5/2014	20/5/2014	22/7/2014
<b>Target/Stage:</b>	Planting/ IBS	PSPE	GS 30

Rating Date:				25/06/2014	01/08/2014	01/09/2014	03/11/2014				
Rating Type:				EMERGE	NDVI	NDVI	YIELD	PROTEIN	TEST WEIGHT	SCREENINGS	N RECOVERY
Rating Unit:				/m <sup>2</sup>	RATIO	RATIO	kg/ha	%	kg/hL	%	kg N/ha
Days After First/Last Application:				36 36	73 10	104 41	167 104	167 104	167 104	167 104	167 104
Trt No.	Treatment	Nitrogen Rate	Appln Code								
1	Untreated	-	-	55.5 -	0.73 -	0.75a-e	4061 -	9.5e	82.2 -	1.5 -	67.8e
2	Urea	50kg/ha	A	55.5 -	0.72 -	0.78a-d	4264 -	10.0cde	81.1 -	2.3 -	74.5b-e
3	Urea	100kg/ha	A	60.0 -	0.70 -	0.75a-f	4379 -	10.5abc	81.5 -	1.1 -	80.7ab
4	Urea	200kg/ha	A	59.5 -	0.71 -	0.76a-e	4364 -	10.9a	81.8 -	2.6 -	83.2a
5	Urea	50kg/ha	A	55.8 -	0.70 -	0.78a-d	4426 -	10.8ab	81.6 -	1.6 -	83.7a
	Urea	50kg/ha	C								
6	Urea	100kg/ha	B	58.5 -	0.71 -	0.77a-e	4366 -	10.6abc	81.7 -	2.1 -	80.6ab
7	ESN	30kg/ha	A	58.0 -	0.69 -	0.75b-f	4092 -	10.0cde	81.8 -	1.5 -	71.6cde
	Urea	20kg/ha	A								
8	ESN	38kg/ha	A	56.5 -	0.75 -	0.79ab	4179 -	9.8de	82.1 -	1.2 -	71.8cde
	Urea	25kg/ha	A								
9	ESN	60kg/ha	A	54.0 -	0.70 -	0.75a-f	4135 -	10.5a-d	82.0 -	1.4 -	75.5bcd
	Urea	40kg/ha	A								
10	Agrocote N38	15kg/ha	A	58.0 -	0.65 -	0.73def	4277 -	10.4a-d	80.5 -	1.7 -	77.4abc
	Urea	35kg/ha	A								
11	Agrocote N38	25kg/ha	A	53.5 -	0.69 -	0.73ef	4102 -	9.8de	82.1 -	2.0 -	70.5de
	Urea	59kg/ha	A								
12	Agrocote N38	30kg/ha	A	55.8 -	0.69 -	0.74b-f	4221 -	10.2bcd	82.0 -	1.2 -	75.5bcd
	Urea	70kg/ha	A								
13	eNtrench	2.5l/ha	A	55.3 -	0.67 -	0.74b-f	3961 -	10.2cde	82.0 -	1.7 -	70.2de
	Urea	50kg/ha	A								
14	eNtrench	2.5l/ha	A	58.0 -	0.72 -	0.80a	4348 -	10.2bcd	81.6 -	1.6 -	77.5abc
	Urea	62kg/ha	A								
15	eNtrench	2.5l/ha	A	61.0 -	0.70 -	0.71f	4209 -	10.3bcd	82.3 -	1.7 -	75.4bcd
	Urea	100kg/ha	A								
16	Entec	50kg/ha	A	61.0 -	0.70 -	0.73c-f	4137 -	10.4a-d	81.5 -	1.9 -	75.0bcd
17	Entec	89kg/ha	A	58.5 -	0.64 -	0.76a-e	4180 -	9.9cde	81.7 -	1.9 -	72.6cde
18	Entec	100kg/ha	A	61.0 -	0.74 -	0.78abc	4323 -	10.3a-d	81.3 -	2.0 -	77.6abc
LSD P=.05				7.94	0.088	0.048	300.3	0.64	1.03	0.15	6.78
CV							5.0				
Treatment Prob.(F)				0.7552	0.6167	0.0401	0.1436	0.0082	0.1705	0.1971	0.0003

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

t=Mean descriptions are reported in transformed data units, and are not de-transformed.

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

Missing data estimates are included in columns: Yates=7

<b>Application Description</b>			
	<b>A</b>	<b>B</b>	<b>C</b>
<b>Application Date:</b>	20/5/14	20/5/14	22/7/14
<b>Application Start Time:</b>			1.30pm
<b>Application Method:</b>	SPREAD	SPREAD	SPREAD
<b>Application Timing:</b>	PREPLA	PSPE	GS30
<b>Applied By:</b>	MC	MC	RN
<b>Dew Presence (Y/N):</b>			N no
<b>Soil Moisture:</b>			VERY DRY
<b>% Cloud Cover:</b>			60

<b>Application Equipment</b>			
	<b>A</b>	<b>B</b>	<b>C</b>
<b>Application Equipment:</b>	Hand spread		
<b>Equipment Type:</b>	MANUAL SPREAD		