

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.

Late N management in wheat 2014

Trial ID: AM1418
Protocol ID: NGA1409

Location: Mullaley
Investigator: Anthony Mitchell

Trial Year: 2014

Planting Equipment:	Commercially planted		
Row Spacing:	32cm		
Application Code:	A	B	C
Application Date:	14/9/2014	24/09/2014	4/10/2014
Target/Stage:	Awn Emergence	Flowering	Flowering + 10 days

Crop: Variety: Rating Date: Rating Type: Rating Unit: Days After First/Last Application: ARM Action Codes:						Wheat EGA Gregory				
						01/11/2014				
						YIELD	PROTEIN	TEST WEIGHT	SCREENINGS	N RECOVERY
						kg/ha 48 28	%	kg/hL	%w/w AL	kg N/ha
Trt No.	Treatment	Product Rate	Nitrogen Rate	Growth Stage	Appln Code	1	2	3	4	5
1	Untreated	-	-	-	-	5875 -	9.2e	65.4 -	1.4bc	94.6c
2	Ranger	83l/ha	20kg ai/ha	GS49	A	5973 -	9.8de	61.8 -	1.4bc	102.3bc
3	Ranger	83l/ha	20kg ai/ha	GS61-65	B	6164 -	10.6ab	59.6 -	1.3bc	114.2ab
4	Ranger	83l/ha	20kg ai/ha	GS65-71	C	6074 -	10.3bcd	63.2 -	1.2bc	109.3ab
5	Ranger	167l/ha	40kg ai/ha	GS49	A	6172 -	10.6ab	63.2 -	1.2bc	114.2ab
6	Ranger	167l/ha	40kg ai/ha	GS61-65	B	5879 -	10.4a-d	66.3 -	1.0c	106.9ab
7	Ranger	167l/ha	40kg ai/ha	GS65-71	C	5753 -	10.9a	57.0 -	1.3bc	109.2ab
8	Hydrofert	83l/ha	20kg ai/ha	GS49	A	5879 -	10.0cd	63.9 -	1.1bc	102.5bc
9	Hydrofert	83l/ha	20kg ai/ha	GS61-65	B	6137 -	10.4a-d	65.1 -	2.1a	112.4ab
10	Hydrofert	83l/ha	20kg ai/ha	GS65-71	C	5824 -	10.1bcd	65.4 -	1.1bc	103.2bc
11	Hydrofert	167l/ha	40kg ai/ha	GS49	A	5896 -	10.2bcd	64.6 -	1.5b	104.8abc
12	Hydrofert	167l/ha	40kg ai/ha	GS61-65	B	5937 -	10.5abc	65.3 -	1.1bc	108.5ab
13	Hydrofert	167l/ha	40kg ai/ha	GS65-71	C	6006 -	11.0a	62.5 -	1.1bc	115.3a
14	Ranger	55.4l/ha	13.3kg ai/ha	GS49	A	6268 -	10.6ab	61.8 -	1.2bc	116.5a
	Ranger	55.4l/ha	13.3kg ai/ha	GS61-65	B					
	Ranger	55.4l/ha	13.3kg ai/ha	GS65-71	C					
15	Ranger	83l/ha	20kg ai/ha	GS49	A	6042 -	10.4abc	61.9 -	1.2bc	110.2ab
	Ranger	83l/ha	20kg ai/ha	GS61-65	B					
LSD (P=.05)						489.3	0.62	7.63	0.09t	12.0
CV						5.7				
Treatment Prob.(F)						0.72	<0.01	0.59	0.02	0.04

Part Rated

GRAIN = grain

Rating Type

YIELD = yield

Rating Unit

kg/ha = kilograms per hectare

% = percent

Crop Stage Majority

99 = Harvested product

ARM Action Codes

AL = Automatic log transformation of X+1

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: Average=1, 5

Application Description			
	A	B	C
Application Date:	14/9/14	24/9/14	4/10/14
Appl. Start Time:	10.30am	12pm	3pm
Appl. Stop Time:	12:00 PM	1:00 PM	4:00 PM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	GS49	GS61	GS71
Application Placement:	FOLIAR	FOLIAR	FOLIAR
Air Temperature, Unit:	27 C	24 C	24.2 C
% Relative Humidity:	37		18
Wind Velocity, Unit:	10 KPH	11 KPH	7 KPH
Wind Direction:	N/W	N/W	S/W
% Cloud Cover:	10	0	0

Application Equipment			
	A	B	C
Application Equipment:	Quadbike	Quadbike	Quadbike
Equipment Type:	SPRAYE	SPRAYE	SPRAYE
Operation Pressure, Unit:	320 kPa	320 kPa	320 kPa
Nozzle Type:	TTJ	TTJ	TTJ
Nozzle Size:	02	02	02
Nozzle Spacing, Unit:	50 cm	50 cm	50 cm
Boom Length, Unit:	4 m	4 m	4 m
Boom Height, Unit:	1.5 m	1.5 m	1.5 m
Ground Speed, Unit:	5.7 KPH	5.7 KPH	5.7 KPH
Spray Volume, Unit:	167 L/ha	167 L/ha	167 L/ha