Late N management in wheat for a low N site (with no N applied at planting) 2014

Trial ID: LB1416 **Location:** Tummaville **Trial Year:** 2014
Protocol ID: NGA1409 **Investigator:** Linda Bailey

Planting Date:	23/7/2014				
Planting Equipment:	Small plot planter				
Row Spacing:	36cm				
Target population:	135 pl/m2				
Application Code:	A	B	C	D	E
				40kg/ha N applied as Urea	
Application Date:	21/10/2014	29/10/2014	5/11/2014	28/7/2014	16/9/2014
Target/Stage:	Awn emergence	flowering	Flowering + 10 days	PSPE	In-crop
Growth Stage:	GS 49 Awn peep	GS 61 early flowering	GS 71 Watery ripe	Pre-emergent	GS 30
Harvest Date:	19/11/2014				

Crop : / Crop Variety:						Wheat EGA Gregory				
Rating Date:						19/11/2014				
Rating Type:						Yield	Protein	Test Weight	Screenings	N Recovery
Rating Unit:						kg/ha	%	kg/hL	%	kg N/ha
Days After First/Last Application:						114 14	114 14	114 14	114 14	114 14
Trt No.	**Treatment**	**Product Rate**	**Nitrogen Rate**	**Growth Stage**	**Appln Code**	**1**	**2**	**3**	**4**	**5**
1	Untreated	-	-	-	-	2022 -	10.8 -	79.3 -	9.0 -	38.3 -
2	Ranger	83 l/ha	20kg ai/ha	GS49	A	2150 -	11.6 -	78.0 -	7.2 -	43.8 -
3	Ranger	83 l/ha	20kg ai/ha	GS61	B	1880 -	10.2 -	77.8 -	7.8 -	33.4 -
4	Ranger	83 l/ha	20kg ai/ha	GS71	C	2089 -	10.9 -	79.3 -	8.6 -	39.6 -
5	Ranger	167 l/ha	40kg ai/ha	GS49	A	2177 -	11.9 -	79.5 -	9.9 -	45.4 -
6	Ranger	167 l/ha	40kg ai/ha	GS61	B	1985 -	12.3 -	78.8 -	7.8 -	42.8 -
7	Ranger	167 l/ha	40kg ai/ha	GS71	C	2118 -	11.3 -	78.3 -	5.7 -	42.2 -
8	Hydrofert	83 l/ha	20kg ai/ha	GS49	A	2019 -	11.4 -	79.6 -	9.2 -	40.5 -
9	Hydrofert	83 l/ha	20kg ai/ha	GS61	B	2070 -	10.8 -	79.9 -	7.5 -	39.3 -
10	Hydrofert	83 l/ha	20kg ai/ha	GS71	C	2145 -	11.6 -	78.6 -	5.7 -	43.9 -
11	Hydrofert	167 l/ha	40kg ai/ha	GS49	A	2137 -	11.6 -	78.6 -	5.2 -	43.5 -
12	Hydrofert	167 l/ha	40kg ai/ha	GS61	B	2059 -	11.0 -	79.3 -	9.1 -	39.9 -
13	Hydrofert	167 l/ha	40kg ai/ha	GS71	C	1990 -	11.0 -	80.2 -	7.5 -	38.2 -
14	Ranger	55.4 l/ha	13.3kg ai/ha	GS49	A	1990 -	10.8 -	79.9 -	9.0 -	37.5 -
	Ranger	55.4 l/ha	13.3kg ai/ha	GS61	B					
	Ranger	55.4 l/ha	13.3kg ai/ha	GS71	C					
15	Ranger	83 l/ha	20kg ai/ha	GS49	A	2115 -	11.2 -	79.3 -	9.2 -	41.8 -
	Ranger	83 l/ha	20kg ai/ha	GS61	B					
16	Urea	87kg/ha	40kg ai/ha	PSPE	D	2198 -	12.1 -	79.8 -	8.4 -	46.7 -
17	Urea	87kg/ha	40kg ai/ha	GS30	E	2212 -	12.3 -	78.9 -	10.1 -	47.6 -
					LSD P=.05	nsd	nsd	nsd	nsd	nsd
					CV	7.3				
					Treatment Prob.(F)	0.1814	0.3804	0.9231	0.8447	0.2021

Rating Type
Yield = yield
Rating Unit
kg/ha = kilograms per hectare
% = percent
Crop Stage Majority
99 = Harvested product
Plant-Evaluation Interval
119 DP-1 = 1 TRZAW Jul-23-2014

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.

Application Description					
	A	B	C	D	E
Application Date:	21/10/14	29/10/14	5/11/14	28/7/14	16/9/14
Application Start Time:	11:10 AM	10:30 AM	9:00 AM		
Application Stop Time:	12:45 PM	12:00 PM	10:15 AM		
Application Method:	SPRAY	SPRAY	SPRAY	SPREAD	SPREAD
Application Timing:	GS61	GS69	GS77	PSPE	GS30
Application Placement:	FOLIAR	FOLIAR	FOLIAR	SOIL	BROADC
Applied By:	L Bailey	L Bailey	L Bailey	L Bailey	L Bailey
Air Temperature, Unit:	25 C	31 C	22 C		
% Relative Humidity:	44	21	50		
Wind Velocity, Unit:	9 KPH	8 KPH	3 KPH		
Wind Direction:	E	S	N		
Dew Presence (Y/N):	N no	N no			
Soil Moisture:	DRY	DRY	DRY		
% Cloud Cover:	40	0			

Application Equipment					
	A	B	C	D	E
Application Equipment:	Quadbike	Quadbike	Quadbike	Hand spread	Hand spread
Equipment Type:	SPRAYE	SPRAYE	SPRAYE	MANSPR	MANSPR
Operation Pressure, Unit:	220 kPa	220 kPa	220 kPa		
Nozzle Type:	TTJ	TTJ	TTJ		
Nozzle Size:	11003	11003	11003		
Nozzle Spacing, Unit:	50 cm	50 cm	50 cm		
Ground Speed, Unit:	7.2 KPH	7.2 KPH	7.2 KPH		
Spray Volume, Unit:	167 L/ha	167 L/ha	167 L/ha		