

Project: Late N management in wheat 2014
Trial: RN1421
District: Yallaroi
Crop: Wheat cv. EGA Gregory
Planting Date: 7/05/2014
Planting equipment: Commercial single disc
Row spacing: 33.3cm

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.

Application Code	Application date	Crop Stage
A	30/08/2014	GS51
B	11/09/2014	GS65
C	22/09/2014	GS71

Trt No.	Treatment	Product Rate (L/ha)	N Rate (kg/ha)	Application Code	Leaf burn %	Leaf burn %	Leaf burn %	NDVI Ratio	Yield kg/ha
					11/09/2014	22/09/2014	3/10/2014	7/10/2014	28/10/2014
1	Untreated				0.0 c	0.0 b	0.0 d	0.33	3520
2	Ranger	83	20	A	0.0 c	0.0 b	0.0 d	0.28	3569
3	Ranger	83	20	B		2.5 ab	1.0 cd	0.33	3678
4	Ranger	83	20	C			0.0 d	0.26	3570
5	Ranger	167	40	A	6.3 a	5.0 a	4.3 b	0.33	3792
6	Ranger	167	40	B		1.8 ab	2.5 bcd	0.34	3423
7	Ranger	167	40	C			1.8 bcd	0.46	3267
8	Hydrofert	83	20	A	0.0 c	0.0 b	0.0 d	0.36	3165
9	Hydrofert	83	20	B		5.0 a	3.8 bc	0.29	3145
10	Hydrofert	83	20	C			1.3 cd	0.52	3615
11	Hydrofert	167	40	A	5.0 ab	2.5 ab	3.0 bc	0.43	3282
12	Hydrofert	167	40	B		3.8 a	1.8 bcd	0.30	3453
13	Hydrofert	167	40	C			0.0 d	0.36	3380
14	Ranger 55L/ha x 3	55.4 x 3	40	A B C	1.8 c	5.0 a	7.5 a	0.35	3473
15	Ranger 83L/ha x 2	83 x 2	40	A B	4.3 b	3.5 a	1.3 cd	0.36	3528
LSD (P=.05)					1.9	3.4	2.9	0.15	603
Treatment Prob(F)					0.00	0.01	0.00	0.09	0.70
CV									12.2

NB: 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.

Trt No.	Treatment	Product Rate (L/ha)	N Rate (kg/ha)	Application Code	Grain Quality			
					Grain Protein %	Test Weight kg/hL	Screenings %	Grain N Recovery kg/ha
1	Untreated				11.2	83	0.9	68
2	Ranger	83	20	A	11.3	83	0.9	70
3	Ranger	83	20	B	11.2	83	1.0	72
4	Ranger	83	20	C	10.8	84	0.7	68
5	Ranger	167	40	A	11.4	84	0.7	75
6	Ranger	167	40	B	11.7	84	0.9	70
7	Ranger	167	40	C	11.5	82	1.0	65
8	Hydrofert	83	20	A	11.7	83	1.0	65
9	Hydrofert	83	20	B	11.6	84	0.9	63
10	Hydrofert	83	20	C	11.4	83	1.0	72
11	Hydrofert	167	40	A	11.5	83	1.1	65
12	Hydrofert	167	40	B	11.4	84	1.0	69
13	Hydrofert	167	40	C	11.9	82	1.2	70
14	Ranger 55L/ha x 3	55.4 x 3	40	A B C	11.8	84	0.8	72
15	Ranger 83L/ha x 2	83 x 2	40	A B	12.1	84	0.8	75
LSD (P=.05)					0.86	2.4	0.133t	10.2
Treatment Prob(F)					0.32	0.75	0.94	0.49

Application Description			
	A	B	C
Application Date:	30/08/2014	11/09/2014	22/09/2014
Application Start Time:	8:10am	8.30am	9:30
Appl. Stop Time:	9:15 AM	9:45 AM	10:20 AM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	GS49	GS61	GS71
Application Placement:	FOLIAR	FOLIAR	FOLIAR
Applied By:	RN	RN	RN
Air Temperature, Unit:	13.6 C	16.3 C	19.6 C
% Relative Humidity:	33	28	37
Wind Velocity, Unit:	12 KPH	12.6 KPH	22 KPH
Wind Direction:	E	S	E
Dew Presence (Y/N):	Y yes	N no	N no
Soil Moisture:	SLIWET	DRY	DRY
% Cloud Cover:	0	0	50

Application Equipment			
	A	B	C
Application Equipment:	Quadbike	Quadbike	Quadbike
Equipment Type:	SPRAYE	SPRAYE	SPRAYE
Operation Pressure, Unit:	300 kPa	300 kPa	300 kPa
Nozzle Type:	TTJ	TTJ	TTJ
Nozzle Size:	11002	11002	11002
Nozzle Spacing, Unit:	50 cm	50 cm	50 cm
Boom Length, Unit:	3 m	3 m	3 m
Boom Height, Unit:	50 cm	50 cm	50 cm
Ground Speed, Unit:	5.7 KPH	5.7 KPH	5.7 KPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	167 L/ha	167 L/ha	167 L/ha

Crop Stage At Each Application			
	A	B	C
Stage Majority, Percent:	51	65	71
Stage Minimum, Percent:	49	59	65
Stage Maximum, Percent:	52	65	73