

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.

Residual grass control in wheat 2014

Trial ID: **AM1407** Location: **Baradine** Trial Year: **2014**
 Protocol ID: **NGA1401** Investigator: **Anthony Mitchell**

Planting Date:	7/05/2014
Planting Equipment:	Commercial Disc Planter
Row Spacing:	33cm
Application Date:	7/5/2014
Application Timing:	Pre-plant IBS

Pest Name:					Sunstate		Windmill grass <i>Chloris truncata</i>	
Scientific Pest Name:					10/06/2014	28/07/2014	21/09/2014	07/10/2014
Crop Variety:					EMERGE	NDVI	COUNT	RATING
Rating Date:					m2	NDVI	m2	% Cover
Rating Type:					12	30-32	30-32	
Rating Unit:					34 DP-1	82 DP-1	137 DP-1	153 DP-1
Crop Stage Majority:							AS T1	
Plant-Evaluation Interval:								
ARM Action Codes:								
Trt No.	Treatment Name	Product Rate	Active Rate	Application Timing	1	2	4	5
1	Untreated	-	-	-	44.2ab	0.351-	8.6-	46.3-
2	Sakura 850 WG	118g/ha	100g ai/ha	Preplant	46.7a	0.336-	4.9-	37.5-
3	Sakura 850 WG	118g/ha	100g ai/ha	Preplant	44.8ab	0.312-	5.0-	42.5-
	Tackle 750 WG	20g/ha	15g ai/ha					
4	Boxer Gold	2500ml/ha	2300g ai/ha	Preplant	39.3bc	0.323-	5.7-	40.0-
5	Avadex Xtend	1300ml/ha	780g ai/ha	Preplant	45.1ab	0.342-	7.9-	43.8-
6	Triflurx	2000ml/ha	960g ai/ha	Preplant	30.1d	0.325-	4.7-	41.3-
7	Stomp 440	1400ml/ha	616g ai/ha	Preplant	31.4d	0.340-	5.5-	33.8-
8	Triflurx	1500ml/ha	720g ai/ha	Preplant	32.2d	0.350-	6.3-	41.3-
	Avadex Xtend	1300ml/ha	780g ai/ha					
9	Tackle 750 WG	20g/ha	15g ai/ha	Preplant	39.7bc	0.342-	4.9-	46.3-
10	Dual Gold	250ml/ha	240g ai/ha	Preplant	35.9cd	0.338-	8.5-	45.0-
11	Terbyne Xtreme 875 WG	860g/ha	750g ai/ha	Preplant	41.6abc	0.277-	4.3-	37.5-
	Avadex Xtend	1300ml/ha	780g ai/ha					
LSD (P=.05)					6.90	0.0536	0.80t	13.86
Treatment Prob.(F)					0.0001	0.2736	0.3348	0.7303

Pest Code

CHRT, Chloris truncata,

Part Rated

SEEDLI = seedling

C = Crop is Part Rated

Rating Type

EMERGE = emergence

NDVI = normalized difference vegetation index

COUNT = count

Rating Unit

m2 = square meter

Crop Stage Majority

12 = 2 leaves unfolded

Plant-Evaluation Interval

34 DP-1 = 1 TRZAS May-7-2014

82 DP-1 = 1 TRZAS May-7-2014

137 DP-1 = 1 TRZAS May-7-2014

153 DP-1 = 1 TRZAS May-7-2014

ARM Action Codes

AS = Automatic square root transformation of X+0.5

T1 = SQR ([4] + .5)

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.

Application Description			
	A	B	C
Application Date:	7/5/14	7/5/14	20/7/14
Application Start Time:	10.00am	10.00am	11.00AM
Application Stop Time:	1:00 PM	1:00 AM	12:00 PM
Application Method:	SPRAY	SPRAY	SPRAY
Application Timing:	PREPLA	PREPLA	POEMCR
Air Temperature, Unit:	15 C	15 C	18 C
% Relative Humidity:	62	62	45
Wind Velocity, Unit:	10 KPH	10 KPH	5 KPH
Wind Direction:	SW	SW	W
% Cloud Cover:	30	30	0

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:	AIXR	AIXR	AIXR
Nozzle Size:	110015	110015	110015
Nozzle Spacing, Unit:	50 cm	50 cm	50 cm
Boom Length, Unit:	4 m	4 m	4 m
Boom Height, Unit:	75 cm	75 cm	75 cm
Ground Speed, Unit:	10.3 KPH	10.3 KPH	10.3 KPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	70 L/ha	70 L/ha	70 L/ha