

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.

Wild oat control in chickpea 2014

Trial ID: LB1409
Protocol ID: NGA1406

Location: Bowenville
Investigator: Linda Bailey

Trial Year: 2014

Crop/Variety:	Chickpea cv. PBA HatTrick
Planting Date:	17/06/2014
Planting Equipment:	Commercial Disc Planter
Row Spacing:	76cm
Application Date:	11/8/2014
Application Timing:	Post-emergent
Weed Stage:	3 tiller
Crop Stage:	6 leaf

Pest Name: Scientific Pest Name: Rating Date: Rating Type: Rating Unit: Days After First/Last Application: Plant-Evaluation Interval: ARM Action Codes:				Wild oats <i>Avena spp.</i>									
				01/09/2014 PHYDIS %		01/09/2014 BIOMASS %		01/09/2014 PHYDIS %		01/09/2014 BIOMASS %		18/09/2014 PHYDIS %	
				21 21 76 DP1 AA		21 21 76 DP1 AA		21 21 76 DP1 AA		21 21 76 DP1 AA		38 38 93 DP1 AA	
				1		2		3		4		5	
				Trt No.	Treatment	Product Rate	Active Rate						
1	Untreated	-	-	0.0 e	0.0 e	0.0 e	0.0 e	0.0 d					
2	Verdict 520 Uptake	75 ml/ha 0.5 % v/v	39 g ai/ha	88.7 a-d	91.2 abc	88.7 cd	91.2 bcd	100.0 a					
3	Verdict 520 Uptake	100 ml/ha 0.5 % v/v	52 g ai/ha	99.4 ab	99.4 ab	99.4 ab	99.4 ab	100.0 a					
4	Verdict 520 Uptake Status	75 ml/ha 0.5 % v/v 250 ml/ha	39 g ai/ha	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a					
5	Verdict 520 Uptake Status	100 ml/ha 0.5 % v/v 250 ml/ha	52 g ai/ha	100.0 a	100.0 a	100.0 a	100.0 a	100.0 a					
6	Status Uptake	250 ml/ha 0.5 % v/v	60 g ai/ha	4.5 e	2.2 e	4.5 e	2.2 e	6.5 d					
7	Status Uptake	375 ml/ha 0.5 % v/v	90 g ai/ha	88.4 bcd	89.1 a-d	88.4 cd	89.1 bcd	98.9 a					
8	Status Uptake	500 ml/ha 0.5 % v/v	120 g ai/ha	89.1 a-d	91.0 abc	89.1 cd	91.0 bcd	98.9 a					
9	Status Liase Uptake	250 ml/ha 2 % v/v 0.5 % v/v	60 g ai/ha	93.3 abc	92.0 abc	93.3 bcd	92.0 bcd	100.0 a					
10	Verdict 520 Factor 250 WG Uptake	75 ml/ha 80 g/ha 0.5 % v/v	39 g ai/ha 20 g ai/ha	97.8 ab	96.7 abc	97.8 abc	96.7 abc	100.0 a					
11	Factor 250 WG Supercharge	80 g/ha 1 % v/v	20 g ai/ha	77.0 cd	75.1 cd	77.0 d	75.1 d	72.3 bc					
12	Factor 250 WG Supercharge	120 g/ha 1 % v/v	30 g ai/ha	62.8 d	57.5 d	87.6 cd	85.4 cd	50.0 c					
13	Factor 250 WG Supercharge	180 g/ha 1 % v/v	45 g ai/ha	87.6 bcd	85.4 bcd	87.6 cd	85.4 cd	97.4 a					
14	Factor 250 WG Supercharge Liase	80 g/ha 1 % v/v 2 % v/v	20 g ai/ha	90.7 abc	89.6 abc	90.7 bcd	89.6 bcd	80.7 b					
LSD				19.83t	21.76t	13.86t	15.95t	16.76t					
Treatment Prob.(F)				0.0001	0.0001	0.0001	0.0001	0.0001					

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, 2, 3, 4, 5, 6.

Wild oat control in chickpea 2014

Trial ID: LB1409H **Location:** Bowenville **Trial Year:** 2014
Protocol ID: NGA1406H **Investigator:** Linda Bailey

Pest Name: Scientific Pest Name: Rating Date: Rating Type: Rating Unit: Days After First/Last Application: Plant-Evaluation Interval: ARM Action Codes:				Wild oats	
				<i>Avena spp</i>	
				18/09/2014 BIOMASS % 38 38 93 DP1	18/09/2014 COUNT /m2 38 38 93 DP1 AA
Trt No.	Treatment	Product Rate	Application Rate	6	7
1	Untreated	-	-	0.0 d	2.3 a
2	Verdict 520 Uptake	75 ml/ha 0.5 % v/v	39 g ai/ha	100.0 a	0.2 bcd
3	Verdict 520 Uptake	100 ml/ha 0.5 % v/v	52 g ai/ha	100.0 a	0.1 bcd
4	Verdict 520 Uptake Status	75 ml/ha 0.5 % v/v 250 ml/ha	39 g ai/ha 60 g ai/ha	100.0 a	0.0 d
5	Verdict 520 Uptake Status	100 ml/ha 0.5 % v/v 250 ml/ha	52 g ai/ha 60 g ai/ha	100.0 a	0.1 cd
6	Status Uptake	250 ml/ha 0.5 % v/v	60 g ai/ha	3.3 d	0.9 ab
7	Status Uptake	375 ml/ha 0.5 % v/v	90 g ai/ha	90.0 ab	0.1 bcd
8	Status Uptake	500 ml/ha 0.5 % v/v	120 g ai/ha	93.3 a	0.0 cd
9	Status Liase Uptake	250 ml/ha 2 % v/v 0.5 % v/v	60 g ai/ha	100.0 a	0.1 cd
10	Verdict 520 Factor 250 WG Uptake	75 ml/ha 80 g/ha 0.5 % v/v	39 g ai/ha 20 g ai/ha	100.0 a	0.2 bcd
11	Factor 250 WG Supercharge	80 g/ha 1 % v/v	20 g ai/ha	53.3 c	0.4 bc
12	Factor 250 WG Supercharge	120 g/ha 1 % v/v	30 g ai/ha	43.3 c	0.4 bc
13	Factor 250 WG Supercharge	180 g/ha 1 % v/v	45 g ai/ha	90.0 ab	0.4 bcd
14	Factor 250 WG Supercharge Liase	80 g/ha 1 % v/v 2 % v/v	20 g ai/ha	66.7 bc	0.5 bc
LSD				24.34	3.54t
Treatment Prob.(F)				0.0001	0.0061

Rating Type

PHYDIS = phytotoxicity - discoloration

BIOMRE = biomass reduction

COUNT = count

Rating Unit

% = percent

/m2 = per square meter

Plant-Evaluation Interval

76 DP-1 = 1 CIEAR Jun-17-2014

93 DP-1 = 1 CIEAR Jun-17-2014

ARM Action Codes

AA = Automatic arcsine square root % transformation

Application Description	
Application Date:	11/8/14
Application Start Time:	11:00 AM
Application Stop Time:	12:40 PM
Application Method:	SPRAY
Application Timing:	POEMW3
Application Placement:	FOLIAR
Applied By:	L Bailey
Air Temperature, Unit:	21 C
% Relative Humidity:	47
Wind Velocity, Unit:	3 KPH
Wind Direction:	W
Dew Presence (Y/N):	N no
% Cloud Cover:	5
Next Moisture Occurred On:	17/8/14

Application Equipment	
Application Equipment:	Quadbike
Equipment Type:	SPRAYE
Operation Pressure, Unit:	300 kPa
Nozzle Type:	AIXR
Nozzle Size:	110015
Nozzle Spacing, Unit:	50 cm
Boom Length, Unit:	4 m
Boom Height, Unit:	50 cm
Ground Speed, Unit:	10.3 KPH
Spray Volume, Unit:	70 L/ha