

Project: Chloris Double Knock Timing
Trial: RH1227
District: Moree
Soil Type: Grey Vertosol

	T1	T2	T3
Application Timing:	4/01/2013	8/01/2013	15/01/2013
Application Date:	4m Quad-bike mounted boom		
Equipment:	AIXR 110015		
Nozzles:	300		
Nozzle Pressure (kPa):	10.3	7.2	
Speed (km/hr):	70	100	
Volume (L/ha):	8-10 plants / m ²		
Weed Population at spraying:	5-6 tiller to head emergence		
Weed Size at spraying:			

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.

Treatments 1 - 9 are where a single spray mix was applied on Jan 4 (T1).

Trt No.	Treatment	Rate ml or g/ha	Adjuvant	Nuquat 2.4 L/ha Double Knock Timing	Feathertop Rhodes Grass (<i>Chloris virgata</i>)		Awnless Barnyard Grass (<i>Echinochloa colona</i>)
					21/01/2013 17 DAT1 % Control (Visual)	5/02/2013 32 DAT1 Weeds/m ²	5/02/2013 32 DAT1 Weeds/m ²
1	Untreated	-	-		1 g	7.8 ab	19.2 a
2	Verdict 520	150	0.5% Uptake		21 fg	6.1 abcd	11.0 abc
3	Verdict 520	300	0.5% Uptake		85 ab	1.5 efghij	2.9 ef
4	Gp A T	500	1% Hasten		60 cde	1.1 fghij	5.0 bcde
5	Gp A T	1000	1% Hasten	-	80 abc	0.7 ghij	5.0 bcde
6	Shogun	500	0.5% Hasten		38 ef	1.1 fghij	4.6 cde
7	Gp A W	400	1% Hasten		21 fg	6.6 abc	8.6 abcd
8	Glyphosate 450	2000	-		68 bcd	2.0 defghi	6.2 bcde
9	Roundup Attack	1579	-		28 f	12.9 a	3.8 def

Treatments 1a - 9a are where the original application at T1 was followed by a double knock of Nuquat, 4 days later (T2).

Trt No.	Treatment	Rate ml or g/ha	Adjuvant	Nuquat 2.4 L/ha Double Knock Timing	Feathertop Rhodes Grass (<i>Chloris virgata</i>)		Awnless Barnyard Grass (<i>Echinochloa colona</i>)
					21/01/2013 17 DAT1 % Control (Visual)	5/02/2013 32 DAT1 Weeds/m ²	5/02/2013 32 DAT1 Weeds/m ²
1a	Untreated	-	-	4 DAT1	59 cde	4.8 abcde	1.4 fgh
2a	Verdict 520	150	0.5% Uptake		68 bcd	2.4 cdefg	0.0 l
3a	Verdict 520	300	0.5% Uptake		100 a	0.0 j	0.0 l
4a	Gp A T	500	1% Hasten		100 a	0.0 j	0.3 hi
5a	Gp A T	1000	1% Hasten		100 a	0.1 j	0.0 l
6a	Shogun	500	0.5% Hasten		83 abc	0.2 ij	0.0 l
7a	Gp A W	400	1% Hasten		88 ab	2.2 cdefgh	0.6 hi
8a	Glyphosate 450	2000	-		98 a	0.3 hij	0.4 hi
9a	Roundup Attack	1579	-		90 ab	2.3 cdefgh	0.1 hi

Treatments 1b - 9b are where the original application at T1 was followed by a double knock of Nuquat, 11 days later (T3).

Trt No.	Treatment	Rate ml or g/ha	Adjuvant	Nuquat 2.4 L/ha Double Knock Timing	Feathertop Rhodes Grass (<i>Chloris virgata</i>)		Awnless Barnyard Grass (<i>Echinochloa colona</i>)
					21/01/2013 17 DAT1 % Control (Visual)	5/02/2013 32 DAT1 Weeds/m ²	5/02/2013 32 DAT1 Weeds/m ²
1b	Untreated	-	-	11 DAT1	44 def	4.2 bcdef	12.0 ab
2b	Verdict 520	150	0.5% Uptake		60 cde	5.9 abcd	1.4 fgh
3b	Verdict 520	300	0.5% Uptake		98 a	0.5 ghij	0.6 ghi
4b	Gp A T	500	1% Hasten		90 ab	0.0 j	2.6 efg
5b	Gp A T	1000	1% Hasten		100 a	0.0 j	0.4 hi
6b	Shogun	500	0.5% Hasten		80 abc	0.1 j	0.6 ghi
7b	Gp A W	400	1% Hasten		80 abc	4.7 abcde	3.9 def
8b	Glyphosate 450	2000	-		95 a	1.2 fghij	3.2 ef
9b	Roundup Attack	1579	-		83 abc	9.0 ab	0.7 ghi
P=					<0.01	<0.01	<0.01
LSD=					24	Log Detransformed	Log Detransformed

Treatment means followed by the same letter are not significantly different at P = 0.05

DAT1 = Days After Timing 1

NB No interaction between double knock timing and main treatment for all assessments except % control (visual). AOV results from RCB analysis for all except strip plot for % control (visual)