

Project: Fleabane Alternative Products
Trial: RH1228
District: Croppa Creek
Soil Type: Grey vertosol
Application Timing:
Application Date:
Equipment:
Nozzles:
Nozzle Pressure (kPa):
Speed (km/hr):
Volume (L/ha):
Target(s):
Weed Population at spraying:
Weed Size at spraying:

T1	T2	T3
9/01/2013	16/01/2013	4/02/2013
4m Quad-bike mounted boom		
AIXR 110015		
300		
10.3-7.2	7.2	
70-100	100	

Flaxleaf fleabane 1 - 5/sq.m.
2-3 /m²
Elongating to early flowering

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.

NB T3 application delayed due to wet weather

Treatments 1 - 12 are where a single spray mix was applied on Jan 9 (T1).

Trt No.	Treatment	Rate ml or g/ha	Adjuvant	Volume	Nuquat 2 L/ha Double Knock Timing	Flaxleaf Fleabane (<i>Conyza bonariensis</i>)			
						5/02/2013 27 DAT1 % Control (Visual)	21/02/2013 43 DAT1 % Biomass Reduction	21/02/2013 43 DAT1 % Brownout (Visual)	21/02/2013 43 DAT1 Regrowing Weeds/m ²
1	Untreated	-	-	-		0 g	3 ij	0 g	1.98 abc
2	Amicide 625 + Glyphosate CT	1200 + 1500	1% Hasten	70 L/ha		67 bcd	90 ab	90 ab	0.08 lmnop
3	Experimental + Glyphosate CT	4500 + 1500	1% Hasten	70 L/ha		20 efg	8 hij	5 fg	0.90 cdefghi
4	Velocity + Glyphosate CT	670 + 1500	1% Hasten	70 L/ha		42 de	37 fgh	33 efg	0.49 ghijklm
5	Nutrazine + Glyphosate CT	2000 + 1500	1% Hasten	70 L/ha		3 g	7 hij	2 g	1.45 abcdef
6	Amitrole T + Glyphosate CT	2000 + 1500	1% Hasten	70 L/ha		2 g	7 hij	0 g	1.88 abcd
7	Sharpen + Glyphosate CT	34 + 1500	1% Bonza	70 L/ha	-	0 g	2 j	0 g	1.68 abcde
8	Basta + Glyphosate CT	3750 + 1500	1% Hasten	100 L/ha		3 g	3 ij	0 g	2.46 a
9	Alliance	4000	-	100 L/ha		63 cd	63 bcdef	73 abcd	0.16 klmnop
10	Nuquat	2000	-	100 L/ha		5 fg	7 hij	0 g	0.74 efghijk
11	Nuquat + Balance	2000 + 100	-	100 L/ha		23 efg	8 hij	5 fg	0.57 fghijkl
12	Nuquat + Balance + Gp C D	2000 + 100 + 1000	-	100 L/ha		37 def	22 ghij	30 efg	0.39 hijklmn

Treatments 1a - 12a are where the original application at T1 was followed by a double knock of Nuquat, 7 days later (T2).

Trt No.	Treatment	Rate ml or g/ha	Adjuvant	Volume	Nuquat 2 L/ha Double Knock Timing	Flaxleaf Fleabane (<i>Conyza bonariensis</i>)			
						5/02/2013 27 DAT1 % Control (Visual)	21/02/2013 43 DAT1 % Biomass Reduction	21/02/2013 43 DAT1 % Brownout (Visual)	21/02/2013 43 DAT1 Regrowing Weeds/m ²
1a	Untreated	-	-	-		50 de	48 defg	57 bcde	0.80 defghi
2a	Amicide 625 + Glyphosate CT	1200 + 1500	1% Hasten	70 L/ha		100 a	100 a	100 a	0.00 p
3a	Experimental + Glyphosate CT	4500 + 1500	1% Hasten	70 L/ha		97 ab	97 ab	97 a	0.01 op
4a	Velocity + Glyphosate CT	670 + 1500	1% Hasten	70 L/ha		100 a	100 a	100 a	0.00 p
5a	Nutrazine + Glyphosate CT	2000 + 1500	1% Hasten	70 L/ha		97 ab	83 abc	97 a	0.01 op
6a	Amitrole T + Glyphosate CT	2000 + 1500	1% Hasten	70 L/ha		93 abc	73 abcde	77 abcd	0.15 klmnop
7a	Sharpen + Glyphosate CT	34 + 1500	1% Bonza	70 L/ha	7DAT1	63 cd	7 hij	2 g	1.40 abcdef
8a	Basta + Glyphosate CT	3750 + 1500	1% Hasten	100 L/ha		60 d	10 hij	8 fg	0.95 cdefghi
9a	Alliance	4000	-	100 L/ha		100 a	83 abc	83 ab	0.01 op
10a	Nuquat	2000	-	100 L/ha		100 a	93 ab	93 a	0.03 nop
11a	Nuquat + Balance	2000 + 100	-	100 L/ha		97 ab	97 ab	97 a	0.01 op
12a	Nuquat + Balance + Gp C D	2000 + 100 + 1000	-	100 L/ha		100 a	100 a	100 a	0.00 p

Treatments 1b - 12b are where the original application at T1 was followed by a double knock of Nuquat, 26 days later (T3).

Trt No.	Treatment	Rate ml or g/ha	Adjuvant	Volume	Nuquat 2 L/ha Double Knock Timing	Flaxleaf Fleabane (<i>Conyza bonariensis</i>)			
						5/02/2013 27 DAT1 % Control (Visual)	21/02/2013 43 DAT1 % Biomass Reduction	21/02/2013 43 DAT1 % Brownout (Visual)	21/02/2013 43 DAT1 Regrowing Weeds/m2
1b	Untreated	-	-	-	26DAT1	Not assessed	37 fghi	27 efg	2.30 ab
2b	Amicide 625 + Glyphosate CT	1200 + 1500	1% Hasten	70 L/ha			83 abc	93 a	0.06 mnop
3b	Experimental + Glyphosate CT	4500 + 1500	1% Hasten	70 L/ha			73 abcde	37 ef	0.57 fghijkl
4b	Velocity + Glyphosate CT	670 + 1500	1% Hasten	70 L/ha			80 abcd	87 ab	0.28 ijklmno
5b	Nutrazine + Glyphosate CT	2000 + 1500	1% Hasten	70 L/ha			73 abcde	83 abc	0.41 ghijklmn
6b	Amitrole T + Glyphosate CT	2000 + 1500	1% Hasten	70 L/ha			47 efg	48 cde	1.23 abcdefg
7b	Sharpen + Glyphosate CT	34 + 1500	1% Bonza	70 L/ha			50 cdefg	47 de	1.10 bcdefgh
8b	Basta + Glyphosate CT	3750 + 1500	1% Hasten	100 L/ha			40 efgh	23 efg	1.74 abcde
9b	Alliance	4000	-	100 L/ha			90 ab	83 abc	0.05 mnop
10b	Nuquat	2000	-	100 L/ha			90 ab	90 ab	0.08 lmnop
11b	Nuquat + Balance	2000 + 100	-	100 L/ha			73 abcde	83 abc	0.22 jklmnop
12b	Nuquat + Balance + Gp C D	2000 + 100 + 1000	-	100 L/ha			93 ab	93 a	0.10 lmnop
P =						<0.01	<0.01	<0.01	<0.01
LSD =						33	32-34	34-36	Arcsin detransformation

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 % control (visual) and regrowing weeds/m². AOV results from RCB analysis used for these assessments