

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.

Alternative Options for Fleabane Control

Trial ID: RD1126

Location: Jandowae
Investigator: Rob Duncan

Trial Year: 2012

Objective:	To evaluate alternative options for Fleabane control in fallow		
Situation:	Fallow		
Application:	T1	T2	T3
Application Date:	19/01/2012	30/01/2012	6/02/2012
Interval:	-	11 DAT1	18 DAT1
Equipment:	4m Quad-Bike mounted boom		
Nozzles:	AIXR110015		
Volume:	70 L/ha *	100 L/ha	100 L/ha
Weed Density:	~2.4 Plants/m ²		
Weed Stage:	Multiple Branched and Flowering		

* Trts 12 & 13 applied at 100L/ha

Table 1: First Knock Only

Trt No.	Treatment	Rate mL or g/ha	Adjuvants	Flaxleaf Fleabane (<i>Conyza bonariensis</i>)		
				14/02/2012 26 DAT1 % Control (Visual)	1/03/2012 42 DAT1 Surviving Weeds/m ²	1/03/2012 42 DAT1 % Control (Visual)
1	Untreated	-	-	0	2.2	3 i
2	Surpass 475 + Glyphosate CT	1580 + 1500	1% Hasten + 2% Liase	60	0.8	63 def
3	Experimental + Glyphosate CT	3000 + 1500	1% Hasten + 2% Liase	57	0.9	44 g
4	Experimental + Glyphosate CT	4500 + 1500	1% Hasten + 2% Liase	85	0.5	62 def
5	Gp C A + Glyphosate CT	2250 + 1500	1% Hasten + 2% Liase	66	0.6	65 def
6	Gp HC V+ Glyphosate CT	670 + 1500	1% Hasten + 2% Liase	53	1.0	48 fg
7	Ally + Glyphosate CT	5 + 1500	1% Hasten + 2% Liase	12	1.1	11 hi
8	Nutrazine + Glyphosate CT	1000 + 1500	1% Hasten + 2% Liase	18	1.6	18 hi
9	Amitrole T + Glyphosate CT	5600 + 1500	1% Hasten + 2% Liase	64	0.5	79 bcd
10	Basta + Glyphosate CT	3750 + 1500	1% Hasten + 2% Liase	61	0.7	59 efg
11	Sharpen WG + Glyphosate CT	34 + 1500	1% Bonza + 2% Liase	38	1.3	26 h
12	Alliance	4000	-	66	0.7	65 def
13	Nuquat	2000	-	60	0.9	54 efg

DAT1 = Days after Treatment 1

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Table 2: Double Knocked with Nuquat 2L/ha at 11 DAT1

Trt No.	Treatment	Rate mL or g/ha	Adjuvants	Flaxleaf Fleabane (<i>Conyza bonariensis</i>)		
				14/02/2012 15 DAT2 % Control (Visual)	1/03/2012 31 DAT2 Surviving Weeds/m ²	1/03/2012 31 DAT2 % Control (Visual)
1a	Double Knock only	-	-	85	0.4	80 bcd
2a	Surpass 475 + Glyphosate CT	1580 + 1500	1% Hasten + 2% Liase	100	0.0	100 a
3a	Experimental+ Glyphosate CT	3000 + 1500	1% Hasten + 2% Liase	99	0.0	100 a
4a	Experimental+ Glyphosate CT	4500 + 1500	1% Hasten + 2% Liase	99	0.0	100 a
5a	Gp C A + Glyphosate CT	2250 + 1500	1% Hasten + 2% Liase	98	0.0	91 ab
6a	Gp HC V+ Glyphosate CT	670 + 1500	1% Hasten + 2% Liase	99	0.0	93 ab
7a	Ally + Glyphosate CT	5 + 1500	1% Hasten + 2% Liase	89	0.1	92 ab
8a	Nutrazine + Glyphosate CT	1000 + 1500	1% Hasten + 2% Liase	97	0.0	93 ab
9a	Amitrole T + Glyphosate CT	5600 + 1500	1% Hasten + 2% Liase	99	0.0	100 a
10a	Basta + Glyphosate CT	3750 + 1500	1% Hasten + 2% Liase	100	0.0	100 a
11a	Sharpen WG + Glyphosate CT	34 + 1500	1% Bonza + 2% Liase	95	0.2	86 abc
12a	Alliance	4000	-	100	0.0	100 a
13a	Nuquat	2000	-	95	0.0	93 ab

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Table 3: Double Knocked with Nuquat 2L/ha at 18 DAT1

Trt No.	Treatment	Rate mL or g/ha	Adjuvants	Flaxleaf Fleabane (<i>Conyza bonariensis</i>)		
				14/02/2012 8 DAT3 % Control (Visual)	1/03/2012 24 DAT3 Surviving Weeds/m ²	1/03/2012 24 DAT3 % Control (Visual)
1b	Double Knock only	-	-	75	1.0	71 cde
2b	Surpass 475 + Glyphosate CT	1580 + 1500	1% Hasten + 2% Liase	99	0.0	100 a
3b	Experimental+ Glyphosate CT	3000 + 1500	1% Hasten + 2% Liase	98	0.0	99 a
4b	Experimental+ Glyphosate CT	4500 + 1500	1% Hasten + 2% Liase	100	0.0	100 a
5b	Gp C A + Glyphosate CT	2250 + 1500	1% Hasten + 2% Liase	100	0.0	100 a
6b	Gp HC V+ Glyphosate CT	670 + 1500	1% Hasten + 2% Liase	99	0.0	100 a
7b	Ally + Glyphosate CT	5 + 1500	1% Hasten + 2% Liase	91	0.8	66 def
8b	Nutrazine + Glyphosate CT	1000 + 1500	1% Hasten + 2% Liase	93	0.1	94 ab
9b	Amitrole T + Glyphosate CT	5600 + 1500	1% Hasten + 2% Liase	100	0.0	100 a
10b	Basta + Glyphosate CT	3750 + 1500	1% Hasten + 2% Liase	99	0.0	93 ab
11b	Sharpen WG + Glyphosate CT	34 + 1500	1% Bonza + 2% Liase	98	0.0	100 a
12b	Alliance	4000	-	99	0.0	100 a
13b	Nuquat	2000	-	99	0.0	100 a
			P =	0.02	0.14	0.00
			LSD =	Arcsin Transformed Data	nsd	18.47

nsd = No significant difference

Large benefit from double knock application of Nuquat 2L/ha

No clear difference in performance between 11 and 18 day delay after initial application