

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.

Scurvy Weed Control in Fallow

Trial ID: RD1129

Location:

Pilton

Trial Year:

2011

Investigator:

Rob Duncan

Objective:	To screen herbicides for Scurvy weed control in fallow	
Situation:	Fallow	
Application:	T1	T2
Application Date:	30/11/2011	13/12/2011
Interval:	-	13 DAT1
Equipment:	4m Quad-Bike mounted boom	
Nozzles:	AIXR110015	
Volume:	70 L/ha	100 L/ha
Weed Density:	~6-10 Plants/m ²	
Weed Stage:	Seedling up to 10-20cm runners	

Table 1: First Knock Only

Trt No.	Treatment	Rate mL or g/ha	Scurvy Weed (<i>Commelina cyanea</i>)		
			13/12/2011 13DAT1 Biomass Reduction %	24/12/2011 24DAT1 Biomass Reduction %	6/01/2012 37DAT1 Regrowth Suppression (1-7) 1 = Poor, 7 = No Regrowth
1	Untreated	-	0 g	0 e	1.0
2	Glyphosate CT	2000	10 ef	15 cde	2.0
3	Starane Advanced	1000	8 f	10 de	1.0
4	Starane Advanced + Glyphosate CT	450 + 2000	13 cdef	18 bcde	3.5
5	Amine 625	2000	14 bcde	39 bc	3.3
6	Amine 625	4000	19 ab	36 bcd	3.0
7	Amine 625 + Glyphosate CT	2000 + 2000	16 abcd	31 bcd	3.7
8	Amine 625 + Glyphosate + Ally	2000 + 2000 + 5	21 a	94 a	M
9	Tordon 75-D	1000	9 f	17 bcde	2.0
10	Tordon 75-D + Glyphosate CT	700 + 2000	15 bcd	26 bcde	3.3
11	Grazon Extra + Glyphosate CT	500 + 2000	12 def	31 bcd	2.5
12	Gp CI B	2000	11 def	32 bcd	1.0
13	Starane Advanced + Glyphosate CT	2000 + 3000	17 abc	44 b	4.0
	P =		0.0	0.0	0.0
	LSD =		5.5	Arcsin detransformed	1.0-1.2

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Table 2: Double Knocked with Nuquat 2L/ha at 13DAT1

Trt No.	Treatment	Rate mL or g/ha	Scurvy Weed (<i>Commelina cyanea</i>)	
			24/12/2011 11DAT2 Biomass Reduction %	6/01/2012 24DAT2 Regrowth Suppression (1-7) 1 = poor, 7 = no regrowth
1a	Second Knock only	-	84	M
2a	Glyphosate CT	2000	89	5.0
3a	Starane Advanced	1000	61	3.0
4a	Starane Advanced + Glyphosate CT	450 + 2000	93	5.0
5a	Amine 625	2000	98	6.5
6a	Amine 625	4000	100	7.0
7a	Amine 625 + Glyphosate CT	2000 + 2000	98	7.0
8a	Amine 625 + Glyphosate + Ally	2000 + 2000 + 5	100	M
9a	Tordon 75-D	1000	94	5.5
10a	Tordon 75-D + Glyphosate CT	700 + 2000	95	7.0
11a	Grazon Extra + Glyphosate CT	500 + 2000	94	6.7
12a	Gp CI B	2000	93	7.0
13a	Starane Advanced + Glyphosate CT	2000 + 3000	97	5.5
		P =	0.11	0.40
		LSD =	nsd	nsd

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

DAT1 = Days after Treatment 1

Variable weed population resulted in some missing plots

Key messages: Addition of 2,4D and Ally to glyphosate provided best suppression at 3 weeks after application,

Paraquat provided rapid biomass reduction but regrowth occurred in many treatments