

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.

Improving Efficacy of Paraquat Applications

Trial ID: RH1204

Location: North Star
Investigator: Rachel Herron

Trial Year: 2012

Objective	To evaluate the impact of application timing and mixing partners on paraquat efficacy against Fleabane	
Situation:	Fallow	
Applications:	1 (Morning)	2 (Evening)
Application Date:	20/02/2012	20/02/2012
Time of Day:	8.30 am	7.15 pm
Nozzles:	AIXR110015 (Except Trts 7 & 13 used Hypro GA 110015 offset nozzles)	
Volume:	100 L/ha	
Weed Population:	~1-2 Plants/m ²	
Weed Stage:	Seedling to Elongating	

Trt No.	Treatment	Rate mL/ha	Additives/ Nozzles	Timing	Flaxleaf Fleabane (<i>Conyza bonariensis</i>) 12/03/2012 21 DAA	
					Surviving/m ²	% Control (Counts)
1	Untreated	-	-	-	0.18 *	0 *
2	Gramoxone	1600	-	Morning	0.05	72
3	Gramoxone	1600	Diuron 56 g/ha	Morning	0.03	82
4	Gramoxone	1600	Nutrazine 56 g/ha	Morning	0.04	80
5	Gramoxone	1600	1% Hasten	Morning	0.05	71
6	Gramoxone	1600	Ally 5 g/ha	Morning	0.04	76
7	Gramoxone	1600	Hypro GA 110015	Morning	0.03	83
8	Gramoxone	1600	-	Evening	0.05	71
9	Gramoxone	1600	Diuron 56 g/ha	Evening	0.07	62
10	Gramoxone	1600	Nutrazine 56 g/ha	Evening	0.09	50
11	Gramoxone	1600	1% Hasten	Evening	0.05	71
12	Gramoxone	1600	Ally 5 g/ha	Evening	0.04	75
13	Gramoxone	1600	Hypro GA 110015	Evening	0.08	54
					P =	0.86
					LSD =	nsd

DAA = Days after Application

nsd = No significant difference

* Untreated excluded from analysis

NB: Trial site received approx. 20mm after the completion of the evening spray due to a storm.

There was no significant difference in fleabane control from the addition of any mixing partner, adjuvant or nozzle setup.

There was a significant difference between the application timing. Unexpectedly, applications in the morning provided improved weed control.