

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 in Fallow 2015

Trial ID: RN1514 Location: North Star Trial Year: 2015
Investigator: Rachel Norton

Application Code:	A
Application Date:	10/08/2015
Weed Stage:	Sowthistle – 5 leaf Fleabane – 5 leaf Australian Bluebell – early tillering Canary Grass – stem elongation

Pest Scientific Name:			<i>Sonchus oleraceus</i> Common Sowthistle	<i>Conzya bonariensis</i> Flaxleaf Fleabane	<i>Wahlenbergia stricta</i> Australian Bluebell	<i>Sonchus oleraceus</i> Common Sowthistle	<i>Conzya bonariensis</i> Flaxleaf Fleabane	<i>Wahlenbergia stricta</i> Australian Bluebell
Pest Name:								
Rating Date:			24/08/2015	24/08/2015	24/08/2015	04/09/2015	04/09/2015	04/09/2015
Rating Type:			BIOMRE	BIOMRE	BIOMRE	COUNT	COUNT	COUNT
Rating Unit:			%	%	%	/m ²	/m ²	/m ²
Pest Stage Majority:			24	24	34	25	26	51
Treatment-Evaluation Interval:			14 DAA	14 DAA	14 DAA	28 DAA	25 DAA	25 DAA
ARM Action Codes:				AA		AL T1	AL T2	AL T3
Trt No.	Treatment	Product Rate						
1	Untreated	-	0.0b	0.0b	0.0b	3.07a	8.01a	8.74a
2	Nuquat	1600ml/ha	51.7a	46.8a	51.7a	1.15ab	2.87ab	1.71b-e
3	Nuquat	2000ml/ha	73.3a	77.8a	73.3a	1.19ab	4.72ab	4.38abc
4	Nuquat	2400ml/ha	83.3a	84.3a	83.3a	0.50ab	1.97ab	0.59de
5	Balance	100g/ha	5.0b	6.5b	5.0b	0.36b	6.60ab	5.16ab
	Hasten	1% v/v						
6	Nuquat	800ml/ha	76.7a	75.0a	76.7a	0.14b	1.76ab	1.00cde
	Balance	100g/ha						
7	Nuquat	1600ml/ha	90.0a	90.0a	90.0a	0.44ab	2.93ab	1.51b-e
	Balance	50g/ha						
8	Nuquat	1600ml/ha	76.7a	84.3a	76.7a	0.26b	2.83ab	1.19cde
	Balance	100g/ha						
9	Nuquat	1600ml/ha	83.3a	87.0a	83.3a	0.71ab	2.56ab	1.47b-e
	Gp C D	200g/ha						
10	Nuquat	1600ml/ha	86.7a	87.0a	86.7a	1.08ab	3.07ab	2.98bcd
	Gp C A	200g/ha						
11	Nuquat	1600ml/ha	86.7a	87.0a	86.7a	0.44ab	2.16ab	2.27bcd
	Gp I C	400ml/ha						
12	Basta	3750ml/ha	86.7a	90.0a	86.7a	0.00b	1.15b	1.50b-e
13	Basta	3750ml/ha	83.3a	84.3a	83.3a	0.00b	1.35b	0.00e
	Balance	100g/ha						
14	Paratrooper	1600ml/ha	63.3a	65.2a	63.3a	1.68ab	3.72ab	3.48abc
15	Alliance	3000ml/ha	86.7a	87.0a	86.7a	0.00b	1.60ab	0.52de
LSD P=			28.85	19.87t	28.85	0.285t	0.324t	0.264t
Treatment Prob.(F)=			0.0001	0.0001	0.0001	0.0044	0.0180	0.0001

Means followed by same letter do not significantly differ (P=0.05, LSD)

Mean comparisons performed only when AOV Treatment P (F) is significant at mean comparison OSL

t=Mean descriptions are reported in transformed data units, and are not de-transformed.

Improving Efficacy of Paraquat in Fallow 2015

Trial ID: RN1514 **Location:** North Star **Trial Year:** 2015

Pest Scientific Name:			<i>Phalaris paradoxa</i>
Pest Name:			Canary Grass
Rating Date:			04/09/2015
Rating Type:			COUNT
Rating Unit:			/m ²
Pest Stage Majority:			41
Treatment-Evaluation Interval:			25 DAA
ARM Action Codes:			T4
Trt No.	Treatment	Product Rate	
1	Untreated	-	2.33a
2	Nuquat	1600ml/ha	0.00b
3	Nuquat	2000ml/ha	0.00b
4	Nuquat	2400ml/ha	0.17b
5	Balance	100g/ha	0.33b
	Hasten	1% v/v	
6	Nuquat	800ml/ha	0.00b
	Balance	100g/ha	
7	Nuquat	1600ml/ha	0.17b
	Balance	50g/ha	
8	Nuquat	1600ml/ha	0.33b
	Balance	100g/ha	
9	Nuquat	1600ml/ha	0.17b
	Gp C D	200g/ha	
10	Nuquat	1600ml/ha	0.00b
	Gp C A	200g/ha	
11	Nuquat	1600ml/ha	0.00b
	Gp I C	400ml/ha	
12	Basta	3750ml/ha	0.00b
13	Basta	3750ml/ha	0.00b
	Balance	100g/ha	
14	Paratrooper	1600ml/ha	0.00b
15	Alliance	3000ml/ha	0.00b
LSD P=			0.660
Treatment Prob.(F)=			0.0001

Rating Type

BIOMRE = biomass reduction

Rating Unit

/m² = per square metre

Pest Stage Majority

24 = 4 side shoots visible; G_4 tillers visible

34 = 4 visibly extended internode; G_4 node stage

25 = 5 side shoots visible; G_5 tillers visible

26 = 6 side shoots visible; G_6 tillers visible

51 = Inflorescence or flower buds visible; G_Beginning of heading

41 = G_Flag leaf sheath extending

ARM Action Codes

AA = Automatic arcsine square root % transformation

AL = Automatic log transformation of X+1

T1 = LOG ([8] + 1)

T2 = LOG [9] + 1)

T3 = LOG ([10] + 1)

T4 = [7]/2

DAA = Days after Application

Improving Efficacy of Paraquat in Fallow 2015

Trial ID: RN1514 Location: North Star Trial Year: 2015

Application Description	
	A
Application Date:	10/08/2015
Application Start Time:	10:00 AM
Application Stop Time:	11:45 AM
Application Method:	SPRAY
Application Timing:	Post-Em
Air Temperature, Unit:	15.6 C
% Relative Humidity:	40
Wind Velocity, Unit:	13 km/h
Wind Direction:	WNW
Dew Presence (Y/N):	No
Soil Moisture:	SLIDRY
% Cloud Cover:	0
Next Moisture Occurred On:	24/08/2015
Time to Next Moisture, Unit:	14 DAY

Application Equipment	
	A
Application Equipment:	Quad Bike
Equipment Type:	Boom
Operation Pressure, Unit:	300 kPa
Nozzle Type:	AIXR
Nozzle Size:	110015
Nozzle Spacing, Unit:	50 cm
Boom Length, Unit:	4 m
Boom Height, Unit:	50 cm
Ground Speed, Unit:	10.3 km/h
Spray Volume, Unit:	70 L/ha