

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 - St Ruth

Trial ID: **LB1524** Location: **St Ruth** Trial Year: **2015**
Investigator: **Linda Bailey**

Application Date:	30/07/2015
Weed Stage:	9 leaf

Pest Scientific Name			<i>Sonchus oleraceus</i>				
Pest Name			Common Sowthistle				
Crop Name			Fallow				
Rating Date			13/08/2015	13/08/2015	26/08/2015	26/08/2015	26/08/2015
Rating Type			BIOMRE	PHYDIS	BIOMRE	PHYDIS	COUNT
Rating Unit			%	%	%	%	/m ²
Treatment-Evaluation Interval			14 DAA	14 DAA	27 DAA	27 DAA	27 DAA
ARM Action Codes			AA	AA			T1
Trt No.	Treatment	Product Rate					
1	Untreated	-	0e	0f	0d	0e	2.08a
2	Nuquat	1600ml/ha	88abc	90b-e	93ab	92ab	0.39cde
3	Nuquat	2000ml/ha	92ab	95abc	94ab	93ab	0.35cde
4	Nuquat	2400ml/ha	92ab	96ab	95a	95a	0.28cde
5	Balance	100g/ha	72d	82e	80c	80d	1.02b
	Hasten	1% v/v					
6	Nuquat	800ml/ha	80cd	85de	88ab	83cd	0.71bc
	Balance	100g/ha					
7	Nuquat	1600ml/ha	87abc	94a-d	93ab	93ab	0.40cde
	Balance	50g/ha					
8	Nuquat	1600ml/ha	88abc	94a-d	92ab	88abc	0.47cde
	Balance	100g/ha					
9	Nuquat	1600ml/ha	82bcd	87de	90ab	87bcd	0.60bcd
	Gp C D	200g/ha					
10	Nuquat	1600ml/ha	84a-d	88cde	87bc	90abc	0.51cde
	Gp C A	200g/ha					
11	Nuquat	1600ml/ha	92ab	95abc	93ab	95a	0.33cde
	Gp I C	400ml/ha					
12	Basta	3750ml/ha	94a	97a	95a	92ab	0.38cde
13	Basta	3750ml/ha	94a	97a	94ab	96a	0.12e
	Balance	100g/ha					
14	Paratrooper	1600ml/ha	87abc	94a-d	92ab	92ab	0.36cde
15	Alliance	3000ml/ha	94a	97a	96a	95a	0.24de
LSD P=			9.7t	8.2t	7.8	8.0	0.465
Treatment Prob.(F)=			0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

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

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

Rating Type

BIOMRE = biomass reduction

PHYDIS = phytotoxicity - discoloration

Rating Unit

/m² = per square metre

ARM Action Codes

AA = Automatic arcsine square root % transformation

T1 = [5]/48

DAA – Days after Application

Improving Efficacy of Paraquat in Fallow 2015 - St Ruth

Trial ID: LB1524

Location: St Ruth

Trial Year: 2015

Application Description	
Application Date:	30/07/2015
Application Start Time:	11:50 AM
Application Stop Time:	1:40 PM
Application Method:	SPRAY
Application Timing:	Post-Em
Air Temperature, Unit:	22 C
% Relative Humidity:	40
Wind Velocity, Unit:	3 km/h
Wind Direction:	N
Dew Presence (Y/N):	No
Soil Moisture:	DRY
% Cloud Cover:	2
Next Moisture Occurred On:	1/08/2015

Application Equipment	
Application Equipment:	Quad mounted
Equipment Type:	Boom
Operation Pressure, Unit:	310 kPa
Nozzle Type:	AIXR
Nozzle Size:	110015
Nozzle Spacing, Unit:	50 cm
Nozzles/Row:	8
Boom Length, Unit:	4 m
Boom Height, Unit:	50 cm
Ground Speed, Unit:	7.2 km/hr
Carrier:	WATER
Spray Volume, Unit:	100 L/ha