

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.

Chickpea Desiccation 2017

Trial ID: DK1712 **Location:** Moree **Trial Year:** 2017
Investigator: Denielle Kilby

Objective:	To evaluate alternatives for Chickpea desiccation
Application Date:	18/10/2017
Application Timing:	Approx. 2 weeks prior to harvest
Crop Stage Majority at Application:	50% Pods mature
Planting Date:	8/06/2017
Planting Equipment:	Commercial Tyne Planter
Harvest Date:	1/11/2017
Harvest Equipment:	Small Plot Header
Keywords:	Desiccation, harvest aid, Chickpea

Crop Name Crop Variety Description Part Assessed Assessment Date Assessment Type Assessment Unit Crop Stage Majority Trt-Evaluation Interval ARM Action Codes			Chickpea PBA HatTrick			
			PLANT 1/11/2017 DISCOLOUR/ BURNDOWN % 19 R12 14 DAA AA	% of Plants Snapped BRANCH 1/11/2017 ROPINESS % 19 R12 14 DAA	1/11/2017 YIELD t/ha 14 DAA AL TY1	22/11/2017 SCREENING %
Trt No.	Treatment	Product Rate				
1	Untreated	-	69g	10e	1.07-	12.2-
2	Weedmaster Argo	1100ml/ha	88ef	20de	1.17-	12.8-
3	Weedmaster Argo	1800ml/ha	99ab	40b-e	1.10-	10.4-
4	Weedmaster Argo Ally	1100ml/ha 5g/ha	100a	85a	1.10-	8.6-
5	Weedmaster Argo Experimental 1	1100ml/ha 25g/ha	96b-e	50bcd	1.11-	11.5-
6	Weedmaster Argo Sharpen Hasten	1100ml/ha 9g/ha 1% v/v	92c-f	60ab	1.10-	12.7-
7	Weedmaster Argo Sharpen Hasten	1100ml/ha 18g/ha 1% v/v	95b-e	25cde	1.02-	15.0-
8	Weedmaster Argo Sharpen Hasten	1100ml/ha 26g/ha 1% v/v	95b-e	40b-e	1.18-	12.5-
9	Weedmaster Argo Sharpen Hasten	1100ml/ha 34g/ha 1% v/v	95b-e	60ab	1.13-	10.5-
10	Weedmaster Argo Sharpen Hasten	1800ml/ha 9g/ha 1% v/v	100a	27cde	1.06-	12.1-
11	Gramoxone	800ml/ha	90def	25cde	1.16-	13.5-
12	Gramoxone Sharpen Hasten	800ml/ha 9g/ha 1% v/v	90def	30b-e	1.10-	11.5-
13	Gramoxone Sharpen Hasten	800ml/ha 18g/ha 1% v/v	96b-e	35b-e	1.13-	9.7-

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14	Gramoxone	800ml/ha	97a-d	50bcd	1.09-	13.2-
	Sharpen	26g/ha				
	Hasten	1% v/v				
15	Gramoxone	800ml/ha	98abc	55abc	1.11-	10.0-
	Sharpen	34g/ha				
	Hasten	1% v/v				
16	Reglone	2000ml/ha	85f	40b-e	1.14-	11.2-
	X-77	0.2% v/v				
17	Experimental 2	800ml/ha	91c-f	20de	1.21-	9.4-
	Adigor	1% v/v				
18	Experimental 3	1500ml/ha	91def	45bcd	1.08-	13.2-
		LSD P=	9.3t	31.3	nsd	nsd
		Treatment Prob.(F)=	0.0001	0.0025	0.8664	0.4854
		CV=			7.46t	

Means followed by the 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.

Missing data estimates are included in columns: Average=2

nsd = No Significant Difference

Assessment Type

DISCOLOUR = Phytotoxicity - discoloration

SCREENING = Grain screenings % defective grains

ROPINESS = Measurement of stem dry down as indicator of harvest readiness. 10 plants/plot were twisted and evaluated. The % of plants were recorded where all stems had snapped in 2 twists.

ARM Action Codes

AA = Automatic arcsine square root % transformation

AL = Automatic log transformation of X+1

TY1 = LOG ([4]+ 1)

Crop Stage Majority

19 R12 = 90% of pods physiologically mature (golden yellow)

DAA = Days after Application

Chickpea Desiccation 2017

Trial ID: DK1712 **Location:** Moree **Trial Year:** 2017

Application Description	
Application Date:	18/10/2017
Application Start Time:	8:40 AM
Application Stop Time:	11:40 AM
Application Method:	SPRAY
Application Timing:	2 Weeks prior to Harvest
Application Placement:	FOLIAR
Air Temperature, Unit:	25 C
% Relative Humidity:	42
Wind Velocity, Unit:	4.2 m/s
Wind Direction:	ENE
Dew Presence (Y/N):	No
% Cloud Cover:	0
Next Moisture Occurred On:	21/10/2017

Application Equipment	
Operation Pressure, Unit:	300 kPa
Nozzle Type:	AIXR
Nozzle Size:	015
Nozzle Spacing, Unit:	50 cm
Nozzles/Row:	8
Boom Length, Unit:	4 m
Boom Height, Unit:	50 cm
Ground Speed, Unit:	7.2 km/h
Carrier:	WATER
Spray Volume, Unit:	100 L/ha