

Project: Mungbean Herbicide Crop Safety Screen
Trial: AM1302
District: Emerald Hill
Sowing Date: 6/02/2013
Crop spp: Mungbean
Variety: Jade
Rowing Spacing (cm): 33
Application Timing:

T1	T2
PSPE	Post-Em
9/02/2013	27/02/2013
4m Quad-bike mounted boom	
AIXR110015	
300	
10.4	7.3
70	100

Application Date:
Equipment:
Nozzles:
Nozzle Pressure (kPa):
Speed (km/hr):
Volume (L/ha):
Harvest Date: 20/05/2013

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.

NB PSPE application delayed with crop emergence occurring from 1 day post application

Trt No.	Treatment	Rate ml or g/ha	Timing	Mungbeans			
				10/02/2013 1 DAT1 Emergence Plants/m ²	19/02/2013 10 DAT1 Emergence Plants/m ²	19/03/2013 38 DAT1 NDVI Ratio	19/03/2013 38 DAT1 Plant Height Rating # Scale 1-100
1	Untreated	-	-	18	34	0.80	90 abc
2	Gp G V	90	PSPE	19	30	0.83	95 a
3	Gp G V	180	PSPE	19	25	0.80	86 cd
4	Gp C T	700	PSPE	21	34	0.80	95 a
5	Gp C T	1000	PSPE	19	30	0.81	89 bcd
6	Gp C G	2200	PSPE	23	25	0.81	89 bcd
7	Gp B F	150	PSPE	21	31	0.83	93 ab
8	Gp K DG	1500	PSPE	25	34	0.79	93 ab
9	Gp JK BG	2500	PSPE	18	28	0.80	84 d
10	Gp C S	750	PSPE	20	30	0.83	88 bcd
11	Blazer	1000	Post-em	20	33	0.79	89 bcd
12	Gp B R	50	Post-em	20	33	0.82	90 abc
P =				0.98	0.83	0.54	<0.01
LSD =				nsd	nsd	Arcsin(sqrt(x/100)) transformation	5.5

Trt No.	Treatment	Rate ml or g/ha	Timing	Mungbeans		
				19/03/2013 38 DAT1 Plant Stand & Canopy Rating ^{##} Scale 1-100	1/04/2013 52 DAT1 NDVI Ratio	20/05/2013 100 DAT1 Yield t/ha
1	Untreated	-	-	89 ab	0.82	1.58
2	Gp G V	90	PSPE	95 a	0.82	1.89
3	Gp G V	180	PSPE	73 c	0.84	1.85
4	Gp C T	700	PSPE	94 ab	0.83	1.74
5	Gp C T	1000	PSPE	89 ab	0.83	1.65
6	Gp C G	2200	PSPE	88 ab	0.82	1.68
7	Gp B F	150	PSPE	93 ab	0.84	1.63
8	Gp K DG	1500	PSPE	95 a	0.84	1.70
9	Gp JK BG	2500	PSPE	88 ab	0.83	1.60
10	Gp C S	750	PSPE	85 b	0.84	1.63
11	Blazer	1000	Post-em	90 ab	0.83	1.62
12	Gp B R	50	Post-em	91 ab	0.85	1.72
P =				<0.01	0.39	0.38
LSD =				9.9	nsd	nsd
CV =						10.5

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

T1 applied at the end of PSPE. Treatments applied at the start of emergence (3 days after planting)

nsd - No significant difference

[#] Plant height rating was a scale from 1-100 of plant height compared to the control. Where the control plots were approx 90 on the scale.

^{##} Plant stand and canopy rating was a scale from 1-100 of plant stand and density of canopy compared to that of the control. Where the control plots were approx 90 on the scale.