Project:	Fungicides for Powdery Mildew in Mungbean	
Trial:	AM1305	
District:	Goolhi	
Paddock History:	Wheat 2012	
Crop spp:	Mungbean	
Variety:	Crystal	
Rowing Spacing (cm):	33cm	
Soil Type:	Black	

	T1	T2	T3
Application Date:	28/03/2013	13/04/2013	27/04/2013
Equipment:	4m Quad-bike mounted boom		
Nozzles:	AIXR110015		
Nozzle Pressure (kPa):	300		
Speed (km/hr):	10.4		
Volume (L/ha):	70		

NB Powdery mildew present at T1 application. ~2-5% of leaf area already affected on lower canopy leaves

Trt No.	Treatment	Rate ml or g/ha	Adjuvant	Timing	Powdery Mildew 13/04/2013 16 DAT1					
					Lower Canopy		Middle Canopy		Upper Canopy	
					Severity	Incidence	Severity	Incidence	Severity	Incidence
					% leaf area affected	% of leaves infected	% leaf area affected	% of leaves infected	% leaf area affected	% of leaves infected
1	Untreated	-	-	-	28.5 a	32.3 a	24.6 a	33.3 a	5.3 a	22.5 a
2	Gp 1 SF	500	-	T1	21.0 b	32.3 a	10.4 b	24.7 a	0.3 b	4.8 b
3	Gp 3 Ti	250	-	"	0.0 c	6.5 c	0.0 c	0.2 c	0.0 c	0.0 b
4	Gp 3/11 AX	200	-	"	0.0 c	1.0 c	0.0 c	0.0 c	0.0 c	0.0 b
5	Gp 3/11 AX	200	2% Adigor	"	0.0 c	1.0 c	0.0 c	0.0 c	0.0 c	0.0 b
6	Gp 11 Ca	500	-	"	2.3 c	19.5 b	1.0 c	9.9 b	0.1 bc	2.0 b
7	Gp 1 SF x 2	500 x 2	-	T1 & T2						
8	Gp 3 Ti x 2	250 x 2	-	"						
9	Gp 3/11 AX x 2	200 x 2	2% Adigor	"						
10	Gp 11 Ca x 2	500 x 2	-	"						
11	Gp 3 Ti x 3	250 x 3	-	T1, T2 & T3						
				P =	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
				LSD =	7	6	Arcsin(sqrt) transformation	Arcsin(sqrt) transformation	Arcsin(sqrt) transformation	4.7

Trt No.	Treatment	Rate ml or g/ha	Adjuvant	Timing	Powdery Mildew 30/04/2013 33 DAT1						Mungbeans 20/06/2013 84 DAT1
					Lower Canopy		Middle Canopy		Upper Canopy		
					Severity % leaf area affected	Incidence % of leaves infected	Severity % leaf area affected	Incidence % of leaves infected	Severity % leaf area affected	Incidence % of leaves infected	Yield t/ha
1	Untreated	-	-	-	100 a	100 a	98 a	100 a	80 a	100 a	0.68
2	Gp 1 SF	500	-	T1	100 a	100 a	88 ab	100 a	61 ab	100 a	0.69
3	Gp 3 Ti	250	-	"	13 b	33 bc	28 cd	70 ab	11 cd	48 bc	0.65
4	Gp 3/11 AX	200	-	"	0 b	0 c	3 de	22 cd	13 cd	48 bc	0.72
5	Gp 3/11 AX	200	2% Adigor	"	9 b	11 c	10 de	41 bc	4 d	41 bcd	0.69
6	Gp 11 Ca	500	-	"	77 a	100 a	65 bc	100 a	36 bc	96 a	0.60
7	Gp 1 SF x 2	500 x 2	-	T1 & T2	95 a	100 a	79 ab	100 a	32 bc	67 ab	0.54
8	Gp 3 Ti x 2	250 x 2	-	"	33 b	33 bc	9 de	33 bcd	4 d	22 cd	0.72
9	Gp 3/11 AX x 2	200 x 2	2% Adigor	"	0 b	0 c	0 e	0 d	0 d	0 d	0.63
10	Gp 11 Ca x 2	500 x 2	-	"	17 b	63 ab	10 de	44 bc	4 d	37 bcd	0.67
11	Gp 3 Ti x 3	250 x 3	-	T1, T2 & T3	0 b	0 c	0 e	0 d	0 d	0 d	0.60
				P =	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.42
				LSD =	33.4	44.1	Arcsin(sqrt) transformation	39.8	Arcsin(sqrt) transformation	40.8	nsd
				CV=							17%

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

Powdery mildew evident in lower canopy at T1 application.

nsd= No significant difference