

Project: Fungicides for Powdery Mildew in Mungbean
Trial: BB1305
District: Millmerran
Paddock History: Barley
Crop: Mungbeans
Variety: Crystal
Rowing Spacing (cm): 33.3cm
Sowing Depth (mm): 40mm
Soil Type: Sandy Loam

| Application: | T1 | T2 | T3 |
|------------------------|---------------------------|------------|------------|
| Application Date: | 13/03/2013 | 21/03/2013 | 28/03/2013 |
| Equipment: | 4m Quad-bike mounted boom | | |
| Nozzles: | AIXR110015 | | |
| Nozzle Pressure (kPa): | 300 | | |
| Speed (km/hr): | 10.3 | | |
| Volume (L/ha): | 70 | | |

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 There was no Powdery mildew apparent at T1 application.

| Trt No. | Treatment | Rate ml or g/ha | Adjuvant | Timing | Powdery Mildew | | |
|---------|----------------|--------------------|-----------|-----------------------------|------------------------------|--------------------------------------|----------------|
| | | | | | 5/04/2013 23 DAT1 | | |
| | | | | | Severity | | |
| | | | | Lower Canopy % leaf area | Middle Canopy % leaf area | Upper Canopy % leaf area affected | |
| 1 | Untreated | - | - | - | 11.9 a | 18.6 | 1.9 |
| 2 | Gp 1 SF | 500 | - | T1 | 3.6 abc | 3.1 | 0.3 |
| 3 | Gp 3 Ti | 250 | - | T1 | 0 * | 0 * | 0 * |
| 4 | Gp 3/11 AX | 200 | - | T1 | 0.4 cd | 0 * | 0 * |
| 5 | Gp 3/11 AX | 200 | 2% Adigor | T1 | 0.2 d | 0 * | 0.6 |
| 6 | Gp 11 Ca | 500 | - | T1 | 4.5 ab | 5.3 | 1.4 |
| 7 | Gp 1 SF x 2 | 500 x 2 | - | T1 & T2 | 4.4 ab | 2.8 | 0 * |
| 8 | Gp 3 Ti x 2 | 250 x 2 | - | T1 & T2 | 0.2 d | 0 * | 0 * |
| 9 | Gp 3/11 AX x 2 | 200 x 2 | 2% Adigor | T1 & T2 | 0 * | 0 * | 0 * |
| 10 | Gp 11 Ca x 2 | 500 x 2 | - | T1 & T2 | 1.1 bcd | 0.6 | 0 * |
| 11 | Gp 3 Ti x 3 | 250 x 3 | - | T1, T2 & T3 | 0.2 d | 0 * | 0 * |
| P = | | | | | <0.01 | # Not analysed | # Not analysed |
| LSD = | | | | | Log transformation | | |

| Trt No. | Treatment | Rate ml or g/ha | Adjuvant | Timing | Powdery Mildew | | | Mungbeans |
|-----------------------------------------|------------------------------------------|-----------------------------------------|-----------|-------------|---------------------|--------------------|--------------------|-----------|
| | | | | | 24/04/2013 42 DAT1 | | | 6/05/2013 |
| | | | | | Severity | | | 54 DAT1 |
| Lower Canopy % leaf area affected | Middle Canopy % leaf area affected | Upper Canopy % leaf area affected | Yield | t/ha | | | | |
| 1 | Untreated | - | - | - | 85.8 a | 68.6 a | 34.1 a | 0.80 |
| 2 | Gp 1 SF | 500 | - | T1 | 38.5 c | 19.2 bc | 6.8 bc | 0.77 |
| 3 | Gp 3 Ti | 250 | - | T1 | 46.6 bc | 29.9 ab | 11.1 ab | 0.80 |
| 4 | Gp 3/11 AX | 200 | - | T1 | 3.6 e | 2.3 ef | 1.1 d | 0.82 |
| 5 | Gp 3/11 AX | 200 | 2% Adigor | T1 | 1.7 e | 1.0 fg | 0.6 d | 0.68 |
| 6 | Gp 11 Ca | 500 | - | T1 | 68.9 ab | 53.0 a | 15.2 ab | 0.82 |
| 7 | Gp 1 SF x 2 | 500 x 2 | - | T1 & T2 | 14.5 d | 8.4 cd | 2.1 cd | 0.82 |
| 8 | Gp 3 Ti x 2 | 250 x 2 | - | T1 & T2 | 8.7 de | 6.2 de | 2.1 cd | 0.77 |
| 9 | Gp 3/11 AX x 2 | 200 x 2 | 2% Adigor | T1 & T2 | 0 * | 0 * | 0.2 d | 0.79 |
| 10 | Gp 11 Ca x 2 | 500 x 2 | - | T1 & T2 | 52.4 bc | 36.1 ab | 10.8 ab | 0.85 |
| 11 | Gp 3 Ti x 3 | 250 x 3 | - | T1, T2 & T3 | 1.4 e | 0.2 g | 0.2 d | 0.74 |
| P = | | | | | <0.01 | <0.01 | <0.01 | 0.46 |
| LSD = | | | | | Sqrt transformation | Log transformation | Log transformation | nsd |
| CV = | | | | | | | | 11.6% |

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

* Treatment had nil variance and was not statistically analysed

Assessment not analysed due to large number of treatments with nil variance

DAT1= Days after Application T1

nsd= No significant difference