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|---|---|
| **Project:** | **Fungicides for Powdery Mildew in Mungbean** |
| **Trial:** | **AM1303** |
| **District:** | **Premer** |
| **Sowing Date:** | **28/12/2012** |
| **Crop:** | **Mungbean** |
| **Variety:** | **Crystal** |
| **Harvest Date:** | **18/04/2013** |

| **Application Timing:** | **T1** | **T2** | **T3** |
|---|---|---|---|
| **Application Date:** | **28/02/2013** | **19/03/2013** | **31/03/2013** |
| **Equipment:** | **4m Quad-bike mounted boom** | | |
| **Nozzles:** | **AIXR110015** | | |
| **Nozzle Pressure (kPa):** | **300** | | |
| **Speed (km/hr):** | **10.4** | | |
| **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.***

**No powdery mildew was evident at T1 application**

| Trt No. | Treatment | Rate ml or g/ha | Adjuvant | Timing | Powdery Mildew 19/03/2013 19 DAT1 | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Severity Overall % leaf area affected | Incidence Overall % of leaves infected | Incidence Lower canopy % of leaves infected | Incidence Mid canopy % of leaves infected | Incidence Upper canopy % of leaves infected |
| 1 | Untreated | - | - | - | 13.0 a | 47 a | 4 | 28 a | 8 a |
| 2 | Gp 1 SF | 500 | - | T1 | 3.0 b | 30 b | 5 | 25 a | 0 b |
| 3 | Gp 3 Ti | 250 | - | " | 0.7 cd | 16 bc | 0 | 14 abc | 1 b |
| 4 | Gp 3/11 AX | 200 | - | " | 0.3 d | 9 c | 0 | 9 bc | 0 b |
| 5 | Gp 3/11 AX | 200 | 2% Adigor | " | 0.2 d | 7 c | 3 | 4 c | 0 b |
| 6 | Gp 11 Ca | 500 | - | " | 1.7 bc | 25 b | 4 | 19 ab | 1 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 log+1 transformation | <0.01 | 0.18 | 0.02 | <0.01 log+1 transformation |
| | | | | LSD = | | 15 | nsd | 14 | |

| Trt No. | Treatment | Rate ml or g/ha | Adjuvant | Timing | Powdery Mildew 31/03/2013 31 DAT1 | | | | | Mungbeans 18/04/2013 49 DAT1 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Severity Overall % leaf area affected | Incidence Overall % of leaves infected | Incidence Lower canopy % of leaves infected | Incidence Mid canopy % of leaves infected | Incidence Upper canopy % of leaves infected | Yield t/ha |
| 1 | Untreated | - | - | - | 90 a | 99 a | 35 a | 39 ab | 25 a | 1.44 |
| 2 | Gp 1 SF | 500 | - | T1 | 91 a | 100 a | 23 ab | 27 bc | 15 ab | 1.52 |
| 3 | Gp 3 Ti | 250 | - | " | 67 bc | 81 b | 29 ab | 36 abc | 15 ab | 1.45 |
| 4 | Gp 3/11 AX | 200 | - | " | 46 cd | 60 bc | 26 ab | 24 c | 9 bc | 1.62 |
| 5 | Gp 3/11 AX | 200 | 2% Adigor | " | 27 d | 44 c | 17 bc | 23 c | 4 bc | 1.44 |
| 6 | Gp 11 Ca | 500 | - | " | 85 ab | 99 a | 33 a | 42 a | 24 a | 1.42 |
| 7 | Gp 1 SF x 2 | 500 x 2 | - | T1 & T2 | 57 c | 70 bc | 31 a | 29 abc | 7 bc | 1.46 |
| 8 | Gp 3 Ti x 2 | 250 x 2 | - | " | 1 e | 8 d | 6 cd | 3 d | 0 c | 1.43 |
| 9 | Gp 3/11 AX x 2 | 200 x 2 | 2% Adigor | " | 0 e | 0 e | 0 d | 0 d | 0 c | 1.47 |
| 10 | Gp 11 Ca x 2 | 500 x 2 | - | " | 40 cd | 53 c | 25 ab | 25 bc | 4 bc | 1.54 |
| 11 | Gp 3 Ti x 3 | 250 x 3 | - | T1, T2 & T3 | 2 e | 4 de | 5 d | 1 d | 0 c | 1.44 |
| | | | | P = | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.63 |
| | | | | LSD = | Arcsin (sqrt(x/100)) transformation | Arcsin (sqrt(x/100)) transformation | 12.3 | 14.1 | 11.7 | nsd |
| | | | | CV= | | | | | | 9.2 |

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

Diseases evident at application included bacterial blight and Tan leaf. No evidence of powdery mildew. T1 applied before major rain event

nsd= No significant difference