

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.

Seed Treatment Screening in Mungbean

Trial ID: **BD1718** Location: **Mullaley** Trial Year: **2017**
Investigator: **Branko Duric**

| | |
|---------------------|--|
| Objective: | To evaluate the potential of insecticide and fungicide seed treatments in Mungbean |
| Application Code: | A |
| Application Date: | 22/09/2017 |
| Application Timing: | Seed Treatment |
| Application volume: | 6 mL/kg Seed |
| Planting Date: | 12/12/2017 |
| Planting Depth: | 3 cm |
| Planting Rate: | 21 kg/ha (Target 25 Plants/m ²) |
| Row Spacing: | 32 cm |
| Planting Equipment: | Small Plot Planter - Tyne |
| Harvest Date: | 9/03/2018 |
| Keywords: | Mungbean, seed treatment |

| Crop Name | | | Mungbean | | |
|---------------------------|---------------|--------------|-----------------|------------|-----------|
| Crop Variety | | | Jade AU | | |
| Assessment Date | | | 27/12/2017 | 12/01/2018 | 9/03/2018 |
| Assessment Type | | | EMERGENCE | NDVI | YIELD |
| Assessment Unit | | | /m ² | ratio | t/ha |
| Crop Stage Majority | | | 13 | 60 | |
| Plant-Evaluation Interval | | | 15 DP1 | 31 DP1 | 87 DP1 |
| ARM Action Codes | | | T1 | | T2 |
| Trt No. | Treatment | Product Rate | | | |
| 1 | Untreated | - | 31- | 0.63- | 0.88- |
| 2 | Poncho Plus | 5ml/kg | 30- | 0.62- | 0.95- |
| 3 | Emerge | 4ml/kg | 29- | 0.63- | 0.88- |
| 4 | Cruiser 350 | 4ml/kg | 29- | 0.62- | 0.91- |
| 5 | Cosmos | 1.5ml/kg | 32- | 0.66- | 0.97- |
| 6 | Evergol Prime | 0.8ml/kg | 32- | 0.63- | 1.03- |
| 7 | Evergol Xtend | 0.65ml/kg | 32- | 0.64- | 0.92- |
| 8 | Emerge | 4ml/kg | 33- | 0.63- | 0.96- |
| | Evergol Xtend | 0.65ml/kg | | | |
| LSD P= | | | nsd | nsd | nsd |
| Treatment Prob.(F)= | | | 0.8592 | 0.7858 | 0.4216 |
| CV= | | | | | 10.6 |

Means followed by same letter do not significantly differ (P=.05, LSD)

Mean comparisons performed only when AOV Treatment P (F) is significant at mean comparison OSL.

nsd = No significant difference

Assessment Type

NDVI = Normalized difference vegetation index

Crop Stage Majority

13 = 3rd True leaf (first trifoliate) unfolded

60 = First flowers open (sporadically)

ARM Action Codes

T1 = ([1]/4)/0.32

T2 = [4]*0.714

DP1 = Days after Planting

| Application Description | |
|---------------------------|-----------------------|
| Application Date: | 22/09/2017 |
| Application Method: | SEED TREATMENT |
| Application Timing: | 11 weeks Pre-Planting |
| Total Application Volume: | 600mL/100kg Seed |

| Application Equipment | |
|------------------------|--------|
| Application Equipment: | Bucket |
| Equipment Type: | MANUAL |