

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.

Group A Plantbacks in Sorghum 2014

Trial ID: AM1421
Protocol ID: NGA1404

Location: South Wandobah
Investigator: Anthony Mitchell

Trial Year: 2014

| | | | | |
|---------------------|-------------------------------|-----------------------|-----------------------|---------------------|
| Planting Date: | 22/10/2014 | | | |
| Planting Equipment: | Commercial Disc Drill Planter | | | |
| Row Spacing: | 100cm | | | |
| Application Code: | A | B | C | D |
| Application Date: | 2/10/2014 | 15/10/2014 | 19/10/2014 | 23/10/2014 |
| Target Stage: | 6 Weeks Pre-plant | 4 weeks Pre-plant | 2 weeks Pre-plant | PSPE |
| Application Timing: | 3 weeks prior plant | 1 week prior plant | 4 days prior plant | 1 day post plant |

| Crop Scientific Name: | | | | Sorghum bicolor | |
|------------------------------------|-----------------------------|--------------|-------------|-----------------|-----------|
| Crop Name: | | | | Grain sorghum | |
| Crop Variety: | | | | MR43 | |
| Rating Date: | | | | 4/11/2014 | 2/12/2014 |
| Rating Type: | | | | Plant count | NDVI |
| Rating Unit: | | | | /m ² | RATIO |
| Days After First/Last Application: | | | | 33 12 | 61 40 |
| Trt No. | Treatment Name | Product Rate | Appln. Code | | |
| 1 | Untreated | - | - | 3.1 | 0.45 |
| 2 | Verdict 520 | 150ml/ha | A | 3.0 | 0.46 |
| 3 | Elantra Xtreme | 498ml/ha | A | 2.6 | 0.40 |
| 4 | Shogun | 900ml/ha | A | 2.8 | 0.42 |
| 5 | Status Herbicide | 500ml/ha | A | 2.9 | 0.45 |
| 6 | Topik 240 EC Selective Herb | 210ml/ha | A | 2.9 | 0.42 |
| 7 | Verdict 520 | 150ml/ha | B | 2.9 | 0.45 |
| 8 | Elantra Xtreme | 498ml/ha | B | 2.7 | 0.43 |
| 9 | Shogun | 900ml/ha | B | 2.9 | 0.43 |
| 10 | Status Herbicide | 500ml/ha | B | 2.7 | 0.45 |
| 11 | Topik 240 EC Selective Herb | 210ml/ha | B | 2.9 | 0.43 |
| 12 | Verdict 520 | 150ml/ha | C | 2.5 | 0.41 |
| 13 | Elantra Xtreme | 498ml/ha | C | 2.5 | 0.44 |
| 14 | Shogun | 900ml/ha | C | 2.7 | 0.40 |
| 15 | Status Herbicide | 500ml/ha | C | 2.6 | 0.43 |
| 16 | Topik 240 EC Selective Herb | 210ml/ha | C | 2.7 | 0.44 |
| 17 | Verdict 520 | 150ml/ha | D | 3.0 | 0.42 |
| 18 | Elantra Xtreme | 498ml/ha | D | 2.9 | 0.42 |
| 19 | Shogun | 900ml/ha | D | 2.6 | 0.42 |
| 20 | Status Herbicide | 500ml/ha | D | 3.1 | 0.45 |
| 21 | Topik 240 EC Selective Herb | 210ml/ha | D | 2.6 | 0.42 |
| LSD | | | | nsd | nsd |
| Treatment Prob.(F) | | | | 0.84 | 0.81 |

Rating Type

EMERGE = emergence

NDVI = normalized difference vegetation index

Rating Unit

/m² = per square meter

RATIO = ratio

Plant-Evaluation Interval

13 DP-1 = 1 SORVU 22/10/14

41 DP-1 = 1 SORVU 22/10/14

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

nsd = No Significant Difference

| Application Description | | | | |
|----------------------------|------------|------------|------------|----------|
| | A | B | C | D |
| Application Date: | 2/10/2014 | 15/10/2014 | 19/10/2014 | 23/10/14 |
| Application Start Time: | 10.00AM | 11.00AM | 10.00AM | 11.00AM |
| Application Stop Time: | 11.00 AM | 12.00 PM | 11.00 AM | 12.00 PM |
| Application Method: | SPRAY | | | |
| Application Timing: | PREPLA | | | PSPE |
| Application Placement: | BROSOI | | | |
| Air Temperature, Unit: | 25.5 C | 18 c | 26 C | 32 C |
| % Relative Humidity: | 32.6 | 45.5 | 35 | 38 |
| Wind Velocity, Unit: | 3 KPH | 10 kph | 10 kph | 5 kph |
| Wind Direction: | W | se | W | E |
| % Cloud Cover: | 0 | 90 | 50 | 20 |
| Next Moisture Occurred On: | 13/10/2014 | | 22/10/2014 | |

| Application Equipment | | | | |
|---------------------------|----------|---|---|---|
| | A | B | C | D |
| Application Equipment: | Quadbike | | | |
| Equipment Type: | SPRAYE | | | |
| Operation Pressure, Unit: | 300 kPa | | | |
| Nozzle Type: | AIXR | | | |
| Nozzle Size: | 110015 | | | |
| Nozzle Spacing, Unit: | 50 cm | | | |
| Boom Length, Unit: | 4 m | | | |
| Boom Height, Unit: | 75 cm | | | |
| Ground Speed, Unit: | 10.3 KPH | | | |
| Spray Volume, Unit: | 70 L/ha | | | |