

University of Georgia

Squash and cucumber response to Goal, ET, and Roundup applied over mulch prior to transplant.

Trial ID: Veg15-09

Study Director: Stanley Culpepper

Location: Ponder Farm

Investigator: Stanley Culpepper

Use 2 liters(s) per treatment mixture to spray 14.8 gal/ac

Plots: 6 by 25 feet

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Growth Stage | Appl Code | Amt Product to Measure | Plot No. 1 | By 2 | Rep 3 |
|---------|--|-------------------|-------------|--------------|-----------------------|----------------------------------|-------------|--|------------|------|-------|
| 1 | Goal COC No holes previously | 4 | F L | 1 1 | pt/a % v/v | Overmulc Overmulc | A A | 16.89 ml/mx 20.0 ml/mx | 101 | 201 | 315 |
| 2 | Goal COC Pepper holes in mulch | 4 | F L | 1 1 | pt/a % v/v | Overmulc Overmulc | A A | 16.89 ml/mx 20.0 ml/mx | 109 | 209 | 311 |
| 3 | Goal COC No holes previously | 4 | F L | 1 1 | qt/a % v/v | Overmulc Overmulc | A A | 33.78 ml/mx 20.0 ml/mx | 102 | 202 | 301 |
| 4 | Goal COC Pepper holes in mulch | 4 | F L | 1 1 | qt/a % v/v | Overmulc Overmulc | A A | 33.78 ml/mx 20.0 ml/mx | 110 | 210 | 305 |
| 5 | Goal Roundup WeatherMax No holes previously | 4 4.5 | F L | 1 22 | pt/a oz/a | Overmulc Overmulc | A A | 16.89 ml/mx 23.22 ml/mx | 103 | 203 | 302 |
| 6 | Goal Roundup WeatherMax Pepper holes in mulch | 4 4.5 | F L | 1 22 | pt/a oz/a | Overmulc Overmulc | A A | 16.89 ml/mx 23.22 ml/mx | 111 | 211 | 306 |
| 7 | ET COC No holes previously | 0.208 | L L | 1 1 | oz/a % v/v | Overmulc Overmulc | A A | 1.056 ml/mx 20.0 ml/mx | 104 | 204 | 314 |
| 8 | ET COC Pepper holes in mulch | 0.208 | L L | 1 1 | oz/a % v/v | Overmulc Overmulc | A A | 1.056 ml/mx 20.0 ml/mx | 112 | 212 | 310 |
| 9 | ET COC No holes previously | 0.208 | L L | 2 1 | oz/a % v/v | Overmulc Overmulc | A A | 2.111 ml/mx 20.0 ml/mx | 105 | 205 | 303 |
| 10 | ET COC Pepper holes in mulch | 0.208 | L L | 2 1 | oz/a % v/v | Overmulc Overmulc | A A | 2.111 ml/mx 20.0 ml/mx | 113 | 213 | 307 |
| 11 | ET COC Roundup WeatherMax No holes previously | 0.208 L 4.5 | L L L | 1 1 22 | oz/a % v/v oz/a | Overmulc Overmulc Overmulc | A A A | 1.056 ml/mx 20.0 ml/mx 23.22 ml/mx | 106 | 206 | 316 |
| 12 | ET COC Roundup WeatherMax Pepper holes in mulch | 0.208 L 4.5 | L L L | 1 1 22 | oz/a % v/v oz/a | Overmulc Overmulc Overmulc | A A A | 1.056 ml/mx 20.0 ml/mx 23.22 ml/mx | 114 | 214 | 312 |
| 13 | Roundup WeatherMax No holes previously | 4.5 | L | 22 | oz/a | Overmulc | A | 23.22 ml/mx | 107 | 207 | 304 |
| 14 | Roundup WeatherMax Pepper holes in mulch | 4.5 | L | 22 | oz/a | Overmulc | A | 23.22 ml/mx | 115 | 215 | 308 |
| 15 | Non-treated No holes previously | | | | | | | | 108 | 208 | 313 |
| 16 | Non-treated Pepper holes in mulch | | | | | | | | 116 | 216 | 309 |

Sort Order: Treatment

University of Georgia

Squash and cucumber response to Goal, ET, and Roundup applied over mulch prior to transplant.

Trial ID: Veg15-09

Study Director: Stanley Culpepper

Location: Ponder Farm

Investigator: Stanley Culpepper

Trial Comments

OBJECTIVE: Determine response of ET and Goal when applied overtop of mulch prior to transplanting squash and cucumber.

Visual Squash Injury:

1. Treatments with ET or Roundup alone or in combination caused no visual injury.
2. Goal 4 F at 1 pt caused 11 to 12 and 6 to 10% stunting with chlorosis at 16 and 35 d after treatment, respectively.
3. Goal 4 F at 1 qt caused 22 to 25 and 23 to 25% stunting with chlorosis at 16 and 35 d after treatment, respectively.
4. Holes in the mulch prior to applications had no negative impact.

Visual Cucumber Injury:

1. Treatments with ET or Roundup alone or in combination caused no visual injury.
2. Goal 4 F at 1 pt caused 8 to 12 and 0% stunting with chlorosis at 16 and 35 d after treatment, respectively.
3. Goal 4 F at 1 qt caused 15 to 20 and 0% stunting with chlorosis at 16 and 35 d after treatment, respectively.
4. Holes in the mulch prior to applications had no negative impact.

Plant Height:

1. For squash, no statistical differences were noted; however, a trend for shorter plants was noted with Goal (especially the high rate) applied over mulch. Similar results were also noted for cucumber, although to a lesser degree.

Squash Yield:

1. Marketable squash fruit were harvested three days a week for a total of 14 harvests.
2. ET and Roundup had no impact on early fruit or total fruit produced.
3. When combining all harvests, Goal at 2 pt reduced fruit number at least 25%. No other treatment impacted yield.

Cucumber Yield:

1. Cucumber could not be harvested before deer decided to have a meal.

GENERAL COMMENTS:

1. Applications were made on April 12.
2. Rainfall of 2.41 inches occurred on April 13.
3. Crops were transplanted on April 15 since a rainfall greater than 0.5 inch occurred after herbicide applications.

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Trial ID: Veg15-09
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Study Director: Stanley Culpepper
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|-------------------------|--|-----------|----------|-----------|-----------|----------|-----------|----------|----------|
| Pest Code | | | | | | | | AVG10PLA | AVG10PLA |
| Crop Code | | CUUPE | CUUPE | CUUPE | CUMSA | CUMSA | CUMSA | CUUPE | CUMSA |
| BBCH Scale | | BVVT | BVVT | BVVT | BVVT | BVVT | BVVT | BVVT | BVVT |
| Crop Variety | | | | | | | | HEIGHTS | HEIGHTS |
| Description | | | | | | | | CM | CM |
| Rating Date | | 4/28/2009 | 5/8/2009 | 5/17/2009 | 4/28/2009 | 5/8/2009 | 5/17/2009 | 5/1/2009 | 5/1/2009 |
| Rating Data Type | | injury | injury | injury | injury | injury | injury | height | height |
| Rating Unit | | % | % | % | % | % | % | cm | cm |
| Days After Last Applic. | | 16 | 26 | 35 | 16 | 26 | 35 | 19 | 19 |
| Trt-Eval Interval | | 16 DA-A | 26 DA-A | 35 DA-A | 16 DA-A | 26 DA-A | 35 DA-A | 19 DA-A | 19 DA-A |
| ARM Action Codes | | | | | | | | T1 | T2 |

| Trt No. | Treatment Name | Rate | Rate Unit | 1 | 2 | 3 | 5 | 6 | 7 | 19 | 31 | |
|--------------------|-----------------------|------|-----------|-------|--------|--------|--------|---------|--------|---------|---------|---|
| 1 | Goal | 1 | pt/a | 12.3 | b 8.3 | c 10.0 | b 12.3 | bc 6.7 | ab 0.0 | a 12.13 | a 8.13 | a |
| | COC | 1 | % v/v | | | | | | | | | |
| | No holes previously | | | | | | | | | | | |
| 2 | Goal | 1 | pt/a | 11.7 | b 6.7 | c 6.7 | b 8.3 | c 6.7 | ab 0.0 | a 14.47 | a 8.10 | a |
| | COC | 1 | % v/v | | | | | | | | | |
| | Pepper holes in mulch | | | | | | | | | | | |
| 3 | Goal | 1 | qt/a | 25.0 | a 23.3 | a 23.3 | a 15.0 | ab 10.0 | a 0.0 | a 12.10 | a 7.23 | a |
| | COC | 1 | % v/v | | | | | | | | | |
| | No holes previously | | | | | | | | | | | |
| 4 | Goal | 1 | qt/a | 22.7 | a 18.3 | b 25.0 | a 20.7 | a 8.3 | ab 0.0 | a 12.13 | a 7.17 | a |
| | COC | 1 | % v/v | | | | | | | | | |
| | Pepper holes in mulch | | | | | | | | | | | |
| 5 | Goal | 1 | pt/a | 10.0 | b 0.0 | d 0.0 | c 10.3 | bc 6.7 | ab 0.0 | a 16.43 | a 8.63 | a |
| | Roundup WeatherMax | 22 | oz/a | | | | | | | | | |
| | No holes previously | | | | | | | | | | | |
| 6 | Goal | 1 | pt/a | 6.0 | c 0.0 | d 0.0 | c 9.7 | bc 4.3 | bc 0.0 | a 16.30 | a 9.30 | a |
| | Roundup WeatherMax | 22 | oz/a | | | | | | | | | |
| | Pepper holes in mulch | | | | | | | | | | | |
| 7 | ET | 1 | oz/a | 0.0 | d 0.0 | d 0.0 | c 0.0 | d 0.0 | c 0.0 | a 16.60 | a 9.67 | a |
| | COC | 1 | % v/v | | | | | | | | | |
| | No holes previously | | | | | | | | | | | |
| 8 | ET | 1 | oz/a | 0.0 | d 0.0 | d 0.0 | c 0.0 | d 0.0 | c 0.0 | a 16.50 | a 9.87 | a |
| | COC | 1 | % v/v | | | | | | | | | |
| | Pepper holes in mulch | | | | | | | | | | | |
| 9 | ET | 2 | oz/a | 0.0 | d 0.0 | d 0.0 | c 0.0 | d 0.0 | c 0.0 | a 15.83 | a 9.97 | a |
| | COC | 1 | % v/v | | | | | | | | | |
| | No holes previously | | | | | | | | | | | |
| 10 | ET | 2 | oz/a | 0.0 | d 0.0 | d 0.0 | c 0.0 | d 0.0 | c 0.0 | a 16.53 | a 9.77 | a |
| | COC | 1 | % v/v | | | | | | | | | |
| | Pepper holes in mulch | | | | | | | | | | | |
| 11 | ET | 1 | oz/a | 0.0 | d 0.0 | d 0.0 | c 0.0 | d 0.0 | c 0.0 | a 16.10 | a 10.27 | a |
| | COC | 1 | % v/v | | | | | | | | | |
| | Roundup WeatherMax | 22 | oz/a | | | | | | | | | |
| | No holes previously | | | | | | | | | | | |
| 12 | ET | 1 | oz/a | 0.0 | d 0.0 | d 0.0 | c 0.0 | d 0.0 | c 0.0 | a 16.03 | a 9.20 | a |
| | COC | 1 | % v/v | | | | | | | | | |
| | Roundup WeatherMax | 22 | oz/a | | | | | | | | | |
| | Pepper holes in mulch | | | | | | | | | | | |
| 13 | Roundup WeatherMax | 22 | oz/a | 1.7 | d 0.0 | d 0.0 | c 0.0 | d 0.0 | c 0.0 | a 14.70 | a 9.57 | a |
| | No holes previously | | | | | | | | | | | |
| 14 | Roundup WeatherMax | 22 | oz/a | 0.0 | d 0.0 | d 0.0 | c 0.0 | d 0.0 | c 0.0 | a 15.80 | a 9.87 | a |
| | Pepper holes in mulch | | | | | | | | | | | |
| 15 | Non-treated | | | 0.0 | d 0.0 | d 0.0 | c 0.0 | d 0.0 | c 0.0 | a 15.90 | a 9.40 | a |
| | No holes previously | | | | | | | | | | | |
| 16 | Non-treated | | | 0.0 | d 0.0 | d 0.0 | c 0.0 | d 0.0 | c 0.0 | a 15.13 | a 10.20 | a |
| | Pepper holes in mulch | | | | | | | | | | | |
| LSD (P=.05) | | | | 3.29 | 4.34 | 5.04 | 6.21 | 4.48 | 0.00 | 4.321 | 2.163 | |
| Standard Deviation | | | | 1.97 | 2.60 | 3.02 | 3.73 | 2.69 | 0.00 | 2.591 | 1.297 | |
| CV | | | | 35.29 | 73.47 | 74.39 | 78.12 | 100.78 | 0.0 | 17.08 | 14.18 | |
| Bartlett's X2 | | | | 3.989 | 1.07 | 0.711 | 3.081 | 7.552 | 0.0 | 11.482 | 19.206 | |
| P(Bartlett's X2) | | | | 0.407 | 0.784 | 0.871 | 0.687 | 0.183 | . | 0.718 | 0.205 | |

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|-------------------------|-----------|-----------|----------|-----------|-----------|----------|-----------|----------|----------|--------|--------|
| Pest Code | | | | | | | | AVG10PLA | AVG10PLA | | |
| Crop Code | | CUUPE | CUUPE | CUUPE | CUMSA | CUMSA | CUMSA | CUUPE | CUMSA | | |
| BBCH Scale | | BVVT | BVVT | BVVT | BVVT | BVVT | BVVT | BVVT | BVVT | | |
| Crop Variety | | | | | | | | HEIGHTS | HEIGHTS | | |
| Description | | | | | | | | CM | CM | | |
| Rating Date | | 4/28/2009 | 5/8/2009 | 5/17/2009 | 4/28/2009 | 5/8/2009 | 5/17/2009 | 5/1/2009 | 5/1/2009 | | |
| Rating Data Type | | injury | injury | injury | injury | injury | injury | height | height | | |
| Rating Unit | | % | % | % | % | % | % | cm | cm | | |
| Days After Last Applic. | | 16 | 26 | 35 | 16 | 26 | 35 | 19 | 19 | | |
| Trt-Eval Interval | | 16 DA-A | 26 DA-A | 35 DA-A | 16 DA-A | 26 DA-A | 35 DA-A | 19 DA-A | 19 DA-A | | |
| ARM Action Codes | | | | | | | | T1 | T2 | | |
| Trt | Treatment | Rate | | | | | | | | | |
| No. | Name | Rate | Unit | 1 | 2 | 3 | 5 | 6 | 7 | 19 | 31 |
| Replicate F | | | | 2.339 | 1.000 | 3.251 | 0.312 | 0.046 | 0.000 | 0.054 | 3.607 |
| Replicate Prob(F) | | | | 0.1138 | 0.3798 | 0.0527 | 0.7343 | 0.9550 | 1.0000 | 0.9479 | 0.0395 |
| Treatment F | | | | 54.953 | 23.446 | 22.992 | 10.220 | 5.754 | 0.000 | 1.195 | 1.779 |
| Treatment Prob(F) | | | | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 1.0000 | 0.3276 | 0.0876 |

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.

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|-------------------------|------------|------------|------------|------------|
| Pest Code | HAR1-4 | HAR1-4 | HAR1-14 | HAR1-14 |
| Crop Code | CUUPE | CUUPE | CUUPE | CUUPE |
| BBCH Scale | BVVT | BVVT | BVVT | BVVT |
| Crop Variety | | | | |
| Description | | | | |
| Rating Date | 11/22/2009 | 11/22/2009 | 11/22/2009 | 11/22/2009 |
| Rating Data Type | #/PLOT | WEIGHT/LBS | #/PLOT | WEIGHT/LBS |
| Rating Unit | # | lbs | # | lbs |
| Days After Last Applic. | | | 224 | 224 |
| Trt-Eval Interval | | | 224 DA-A | 224 DA-A |
| ARM Action Codes | T7 | T8 | T9 | T10 |

| Trt No. | Treatment Name | Rate | Rate Unit | 62 | 63 | 65 | 66 | | | | |
|--------------------|-----------------------|------|-----------|--------|--------|--------|--------|-------|----|-------|-----|
| 1 | Goal | 1 | pt/a | 35.3 | a | 6.500 | a | 208.3 | ab | 47.83 | bc |
| | COC | 1 | % v/v | | | | | | | | |
| | No holes previously | | | | | | | | | | |
| 2 | Goal | 1 | pt/a | 42.0 | a | 7.967 | a | 234.3 | a | 54.60 | ab |
| | COC | 1 | % v/v | | | | | | | | |
| | Pepper holes in mulch | | | | | | | | | | |
| 3 | Goal | 1 | qt/a | 20.0 | a | 3.250 | a | 151.3 | c | 35.57 | d |
| | COC | 1 | % v/v | | | | | | | | |
| | No holes previously | | | | | | | | | | |
| 4 | Goal | 1 | qt/a | 24.3 | a | 4.767 | a | 167.0 | bc | 43.43 | cd |
| | COC | 1 | % v/v | | | | | | | | |
| | Pepper holes in mulch | | | | | | | | | | |
| 5 | Goal | 1 | pt/a | 50.7 | a | 9.200 | a | 245.3 | a | 59.73 | a |
| | Roundup WeatherMax | 22 | oz/a | | | | | | | | |
| | No holes previously | | | | | | | | | | |
| 6 | Goal | 1 | pt/a | 43.3 | a | 8.650 | a | 245.0 | a | 57.37 | ab |
| | Roundup WeatherMax | 22 | oz/a | | | | | | | | |
| | Pepper holes in mulch | | | | | | | | | | |
| 7 | ET | 1 | oz/a | 49.7 | a | 7.883 | a | 223.3 | a | 48.53 | bc |
| | COC | 1 | % v/v | | | | | | | | |
| | No holes previously | | | | | | | | | | |
| 8 | ET | 1 | oz/a | 43.0 | a | 7.533 | a | 228.3 | a | 48.27 | bc |
| | COC | 1 | % v/v | | | | | | | | |
| | Pepper holes in mulch | | | | | | | | | | |
| 9 | ET | 2 | oz/a | 42.3 | a | 8.700 | a | 231.0 | a | 56.10 | ab |
| | COC | 1 | % v/v | | | | | | | | |
| | No holes previously | | | | | | | | | | |
| 10 | ET | 2 | oz/a | 35.3 | a | 7.167 | a | 212.3 | ab | 49.57 | abc |
| | COC | 1 | % v/v | | | | | | | | |
| | Pepper holes in mulch | | | | | | | | | | |
| 11 | ET | 1 | oz/a | 52.0 | a | 8.833 | a | 235.0 | a | 55.70 | ab |
| | COC | 1 | % v/v | | | | | | | | |
| | Roundup WeatherMax | 22 | oz/a | | | | | | | | |
| | No holes previously | | | | | | | | | | |
| 12 | ET | 1 | oz/a | 46.7 | a | 8.217 | a | 232.3 | a | 57.47 | ab |
| | COC | 1 | % v/v | | | | | | | | |
| | Roundup WeatherMax | 22 | oz/a | | | | | | | | |
| | Pepper holes in mulch | | | | | | | | | | |
| 13 | Roundup WeatherMax | 22 | oz/a | 48.0 | a | 9.267 | a | 242.0 | a | 60.30 | a |
| | No holes previously | | | | | | | | | | |
| 14 | Roundup WeatherMax | 22 | oz/a | 46.3 | a | 9.483 | a | 236.3 | a | 60.37 | a |
| | Pepper holes in mulch | | | | | | | | | | |
| 15 | Non-treated | | | 50.7 | a | 8.300 | a | 224.3 | a | 51.33 | abc |
| | No holes previously | | | | | | | | | | |
| 16 | Non-treated | | | 36.7 | a | 5.900 | a | 223.0 | a | 52.30 | abc |
| | Pepper holes in mulch | | | | | | | | | | |
| LSD (P=.05) | | | | 19.89 | 3.9358 | 47.06 | 11.155 | | | | |
| Standard Deviation | | | | 11.93 | 2.3606 | 28.22 | 6.691 | | | | |
| CV | | | | 28.64 | 31.06 | 12.76 | 12.77 | | | | |
| Bartlett's X2 | | | | 22.19 | 17.522 | 14.207 | 17.366 | | | | |
| P(Bartlett's X2) | | | | 0.103 | 0.289 | 0.51 | 0.297 | | | | |
| Replicate F | | | | 0.099 | 0.126 | 1.393 | 0.576 | | | | |
| Replicate Prob(F) | | | | 0.9057 | 0.8818 | 0.2639 | 0.5682 | | | | |
| Treatment F | | | | 1.827 | 1.617 | 2.642 | 3.062 | | | | |
| Treatment Prob(F) | | | | 0.0781 | 0.1280 | 0.0114 | 0.0044 | | | | |

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.

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Squash and cucumber response to Goal, ET, and Roundup applied over mulch prior to transplant.

Trial ID: Veg15-09

Study Director: Stanley Culpepper

Location: Ponder Farm

Investigator: Stanley Culpepper

General Trial Information

| | |
|--|---------------------------------|
| Study Director: Stanley Culpepper | Title: Ext. Weed Science |
| Affiliation: Univ. of Georgia | |
| Postal Code: 31795 | |
| Investigator: Stanley Culpepper | Title: Ext. Weed Science |
| Affiliation: Univ. of Georgia | |
| Postal Code: 31795 | |

Trial Location

| | |
|---------------------------|-----------------------------------|
| City: TyTy | Trial Status: completed |
| State/Prov.: GA | Trial Reliability: good |
| Postal Code: 31795 | Initiation Date: 4/12/2009 |
| Country: USA | |
| Directions: | |

Objectives:

Conclusions:

Crop Description

| | |
|-------------------------------------|--|
| Crop 1: CUUPE Cucurbita pepo | Description: Edible gourd |
| Variety: Prelude II | Description: yellow squash |
| BBCH Scale: BVVT | Planting Date: 4/15/2009 |
| Planting Method: transplant | Rate, Unit: 1 foot |
| Depth, Unit: 2 in | |
| Row Spacing, Unit: 6 feet | Spacing Within Row, Unit: 12 in |
| Seed Bed: mulch, raised | Soil Temperature, Unit: 75 F |
| Soil Moisture: drip | |

| | |
|--------------------------------------|---|
| Crop 2: CUMSA Cucumis sativus | Description: Cucumber |
| Variety: Thunder | Description: fresh market cucumber |
| BBCH Scale: BVVT | Planting Date: 4/15/2009 |
| Planting Method: transplant | Rate, Unit: 1 foot |
| Depth, Unit: 2 in | |
| Row Spacing, Unit: 6 feet | Spacing Within Row, Unit: 12 in |
| Seed Bed: mulch, raised | Soil Temperature, Unit: 75 F |
| Soil Moisture: drip | |

Pest Description

Code: .

Site and Design

| | |
|---------------------------------|--|
| Plot Width, Unit: 6 FT | Site Type: Ponder research farm |
| Plot Length, Unit: 25 FT | Tillage Type: 2nd crop mulch |
| Replications: 3 | Study Design: Factorial |

Trial Initiation Comments:

Field Prep./Maintenance:

Soil Description

| | | |
|-------------------|------------------|-------------------------------------|
| % Sand: 90 | % OM: 1.0 | Texture: sand |
| % Silt: 4 | pH: 6.2 | Soil Name: Tifton sandy loam |
| % Clay: 6 | | |

Moisture Conditions

Overall Moisture Conditions: moist, drip irrigation

Closest Weather Station: on site

Distance: 100

Unit: yd

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Application Description

Application Date: 4/12/2009
Time of Day: 6:00 PM
Application Method: BROADCAST
Application Timing: OVER MULC
Application Placement: OVERTOP
Applied By: Culpepper
Air Temperature, Unit: 77 F
% Relative Humidity: 58
Wind Velocity, Unit: 4 MPH
Dew Presence (Y/N): N
Soil Temperature, Unit: 85 F
Soil Moisture: MOIST
% Cloud Cover: 0

Crop Stage At Each Application

A
Crop 1 Code, BBCH Scale: CUUPE BVVT
Stage Scale Used: BBCH
Stage Majority, Percent: preplant 100
Stage Minimum, Percent: preplant 100
Stage Maximum, Percent: preplant 100
Height, Unit: 0 in
Height Minimum, Maximum: 0 0
Crop 2 Code, BBCH Scale: CUMSA BVVT
Stage Scale Used: BBCH
Stage Majority, Percent: preplant 100
Stage Minimum, Percent: preplant 100
Stage Maximum, Percent: preplant 100
Height, Unit: 0 in
Height Minimum, Maximum: 0 0

Pest Stage At Each Application

A
Stage Majority, Percent: .
Density, Unit: 0. .

Application Equipment

A
Appl. Equipment: BACKPACK
Operating Pressure: 24
Pressure Unit: PSI
Nozzle Type: FLAT FAN
Nozzle Size: 11002
Nozzle Spacing, Unit: 18 IN
Nozzles/Row: 2
Boom Length, Unit: 4.5 FT
Boom Height, Unit: 15 IN
Ground Speed, Unit: 3 MPH
Carrier: H2O
Spray Volume: 14.8
Volume Unit: GAL/AC
Propellant: CO2
Tank Mix (Y/N): Y