## Tidewater Ag. Res. & Ext. Ctr.

**Prowl POST in Cotton**

**Trial ID:** COT0105  
**Protocol ID:**                          
**Location:** Res Farm F22               
**Investigator:** Dr. Joel C. Faircloth

### Part Rated

<table>
<thead>
<tr>
<th>PLANT</th>
<th>CROP</th>
<th>CROP</th>
<th>CROP</th>
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### Rating Data Type

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<th>STAND</th>
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### Rating Unit

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<th>10 FT/RW</th>
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### Rating Date

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### Trt Treatment No. Form Name Conc Form Rate Stage Code

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<tr>
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<th>Conc Form</th>
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<td>Roundup WeatherMAX 5.5 SL</td>
<td>22 FL OZ/A</td>
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### LSD (P=.05)

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<th>LSD (P=.05)</th>
<th>4.07</th>
<th>7.12</th>
<th>7.67</th>
<th>5.77</th>
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### Standard Deviation

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<th>2.33</th>
<th>4.06</th>
<th>4.38</th>
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### CV

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<th>8.52</th>
<th>25.53</th>
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### Grand Mean

<table>
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<th>Grand Mean</th>
<th>27.29</th>
<th>15.92</th>
<th>19.96</th>
<th>9.38</th>
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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.
Tidewater Ag. Res. & Ext. Ctr.

Prowl POST in Cotton

Trial ID: COT0105
Protocol ID: Study Director: Dr. Joel C. Faircloth
Location: Res Farm F22 Investigator: Dr. Joel C. Faircloth

Part Rated LEAF CROP LINT
Rating Data Type PHYTOTOX STUNT YIELD
Rating Unit % % LB/A
Rating Date 06-Jul-2005 06-Jul-2005 05-Oct-2005

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<tr>
<th>Trt Treatment</th>
<th>Form</th>
<th>Conc</th>
<th>Rate</th>
<th>Growth Appl</th>
<th>Stage Code</th>
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<tr>
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<td>17 LB A/100 GAL</td>
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<tr>
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<td>22 FL OZ/A</td>
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</tr>
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<td>16.7 ab</td>
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<tr>
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<td>1 LF A</td>
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<td></td>
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<tr>
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<td>8.3 b</td>
<td>16.7 ab</td>
<td>1526.5a</td>
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<td>5 AMS-Xtra</td>
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<td>1 LF A</td>
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<td>6 Roundup WeatherMAX 5.5 SL</td>
<td>22 FL OZ/A</td>
<td>6.7 bc</td>
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<td>6 AMS-Xtra</td>
<td>3.4 L</td>
<td>17 LB A/100 GAL</td>
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<td>7 Roundup WeatherMAX 5.5 SL</td>
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<td>17 LB A/100 GAL</td>
<td>1 LF A</td>
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LSD (P=.05) 7.99 11.45 141.28
Standard Deviation 4.56 6.54 80.67
CV 60.86 50.59 5.27
Grand Mean 7.5 12.92 1530.94

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.
Prowl POST in Cotton

Trial ID: COT0105
Protocol ID:                      Study Director: Dr. Joel C. Faircloth
Location: Res Farm F22               Investigator: Dr. Joel C. Faircloth

Crop Description
Crop 1: GOSHI Gossypium hirsutum       Cotton
Variety: DP 444 BG/BR
BBCH Scale: BCOT           Planting Date: 04-May-2005

Pest Description
Pest 1 Type: W  Code: AMBEL Ambrosia artemisiifolia
Common Name: Ragweed
Pest 2 Type: W  Code: CHEAL Chenopodium album
Common Name: Lambquarters, common
Pest 3 Type: W  Code: IPOLA Ipomoea lacunosa
Common Name: Morningglory, pitted
Pest 4 Type: W  Code: IPOHG Ipomoea hederacea integriuscul
Common Name: Morningglory, entireleaf
Pest 5 Type: W  Code: CYPES Cyperus esculentus
Common Name: Nutsedge, yellow
Pest 6 Type: W  Code: MOLVE Mollugo verticillata
Common Name: Carpetweed

Site and Design
Plot Width, Unit: 12 FT
Plot Length, Unit: 30 FT
Replications: 3
Study Design: Randomized Complete Block

Trial Initiation Comments:

Maintenance

<table>
<thead>
<tr>
<th>No.</th>
<th>Date</th>
<th>Treatment Name</th>
<th>Conc</th>
<th>Unit Type</th>
<th>Rate Unit</th>
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<tbody>
<tr>
<td>1.</td>
<td>26-May-2005</td>
<td>Orthene 97</td>
<td>97</td>
<td>WG</td>
<td>6 OZ/A</td>
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<td>2.</td>
<td>21-Jun-2005</td>
<td>Nitrogen 30% L</td>
<td>L</td>
<td>30</td>
<td>UNITS/A</td>
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<tr>
<td>3.</td>
<td>21-Jun-2005</td>
<td>Boron L</td>
<td>L</td>
<td>1 QT/A</td>
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<tr>
<td>4.</td>
<td>06-Jul-2005</td>
<td>Nitrogen 30% L</td>
<td>L</td>
<td>30</td>
<td>UNITS/A</td>
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<tr>
<td>5.</td>
<td>06-Jul-2005</td>
<td>Boron L</td>
<td>L</td>
<td>1 QT/A</td>
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<tr>
<td>6.</td>
<td>13-Jul-2005</td>
<td>Pix Plus 0.35</td>
<td>SL</td>
<td>8</td>
<td>OZ/A</td>
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<tr>
<td>7.</td>
<td>12-Aug-2005</td>
<td>Baythroid 2</td>
<td>EC</td>
<td>4</td>
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<td>8.</td>
<td>19-Sep-2005</td>
<td>Finish 6 Pro</td>
<td>EC</td>
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<td>Dropp 50 WP</td>
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Field Prep./Maintenance:

Soil Description
% Sand: 79.1  % OM: 0.9  Texture: LOAMY SAND
% Silt: 17.3  pH: 6.31
% Clay: 3.6

Application Description

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
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<td>Application Date: 23-May-2005 09-Jun-2005</td>
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<tr>
<td>Time of Day: 1:00 PM 9:00 AM</td>
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<tr>
<td>Application Method: SPRAY SPRAY</td>
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<tr>
<td>Application Timing: 1 LEAF 4 LEAF</td>
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<tr>
<td>Application Placement: BROSOI BROSOI</td>
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<tr>
<td>Applied By: HORTON, D. HORTON, D.</td>
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<tr>
<td>Air Temperature, Unit: 80 F 75 F</td>
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<tr>
<td>% Relative Humidity: 58 100</td>
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<tr>
<td>Wind Velocity, Unit: 0 MPH 0 MPH</td>
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<tr>
<td>Dew Presence (Y/N): N N</td>
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<tr>
<td>Soil Temperature, Unit: 80 F 73 F</td>
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<td>Soil Moisture: ADEQUATE ADEQUATE</td>
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<td>% Cloud Cover: 10 100</td>
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Crop Stage At Each Application

Crop 1 Code, BBCH Scale: GOSHI BCOT GOSHI BCOT
Stage Scale Used: 1 LEAF 4 LEAF
Tidewater Ag. Res. & Ext. Ctr.

Prowl POST in Cotton

**Trial ID:** COT0105
**Protocol ID:**
**Location:** Res Farm F22
**Study Director:** Dr. Joel C. Faircloth

### Pest Stage At Each Application

<table>
<thead>
<tr>
<th>Pest 1 Code, Disc., Scale</th>
<th>AMBEL  W AMBEL  W</th>
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<tbody>
<tr>
<td>Height, Unit:</td>
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<tr>
<td>Pest 2 Code, Disc., Scale</td>
<td>CHEAL  W CHEAL  W</td>
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<td>Height, Unit:</td>
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<td>Pest 3 Code, Disc., Scale</td>
<td>IPOLA  W IPOLA  W</td>
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<td>Diameter, Unit:</td>
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<td>Pest 4 Code, Disc., Scale</td>
<td>IPOHG  W IPOHG  W</td>
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<td>Diameter, Unit:</td>
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<td>Pest 5 Code, Disc., Scale</td>
<td>CYPES  W CYPES  W</td>
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<td>Height, Unit:</td>
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<td>Pest 6 Code, Disc., Scale</td>
<td>MOLVE  W MOLVE  W</td>
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<td>Diameter, Unit:</td>
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### Application Equipment

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