

Evaluation of Roundup Ready Flex and Liberty Link Weed Management Systems

Trial ID: COT1305
 Protocol ID:
 Location: Res Farm F22

Study Director: Dr. John Wilcut, NCSU
 Investigator: Dr. Joel C. Faircloth

| Pest Code | Pest Name | PLANT STAND | CROP INJURY | CYPES Nutsedge, yellow WEED CONTROL | AMBEL Ragweed WEED CONTROL | CHEAL Lambsquarters WEED CONTROL |
|-------------|------------------|-------------|-------------|-------------------------------------|----------------------------|----------------------------------|
| Part Rated | Rating Data Type | 10 FT/RW | % | % | % | % |
| Rating Unit | Rating Date | 25-May-2005 | 10-Jun-2005 | 10-Jun-2005 | 10-Jun-2005 | 10-Jun-2005 |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | 10-Jun-2005 | 10-Jun-2005 | 10-Jun-2005 | | |
|---------|----------------------|-----------|-----------|-------|------|--------------|-----------|-------------|-------------|-------------|----------|----------|
| 1 | Roundup Ready Cotton | | | | | | | 19.8 a | 5.0 ij | 13.3 fg | 100.0 a | 100.0 a |
| 1 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A 1-2 LF | B | | | | | |
| 1 | AMS | 3.4 | L | | 3 LB | A/A 1-2 LF | B | | | | | |
| 2 | Roundup Ready Cotton | | | | | | | 23.3 a | 10.0 ghi | 20.0 efg | 8.3 g | 50.0 cd |
| 2 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A 3-4 LF | C | | | | | |
| 2 | AMS | 3.4 | L | | 3 LB | A/A 3-4 LF | C | | | | | |
| 3 | Roundup Ready Cotton | | | | | | | 22.7 a | 18.3 d-g | 13.3 fg | 11.7 g | 33.3 e |
| 3 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 3 | Dual Magnum | 7.62 | EC | | 1 LB | A/A EPO | D | | | | | |
| 3 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 3 | AMS | 3.4 | L | | 3 LB | A/A POST | F | | | | | |
| 3 | Caparol | 4 | L | | 1 LB | A/A LAYBY | H | | | | | |
| 3 | MSMA | 6.6 | EC | | 2 LB | A/A LAYBY | H | | | | | |
| 3 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 4 | Roundup Ready Cotton | | | | | | | 23.0 a | 15.0 e-h | 23.3 d-g | 41.7 f | 100.0 a |
| 4 | Prowl | 3.3 | EC | | 1 LB | A/A PRE | A | | | | | |
| 4 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 4 | AMS | 3.4 | L | | 3 LB | A/A EPO | D | | | | | |
| 4 | Dual Magnum | 7.62 | EC | | 1 LB | A/A EPO | D | | | | | |
| 4 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 4 | AMS | 3.4 | L | | 3 LB | A/A POST | F | | | | | |
| 4 | Caparol | 4 | L | | 1 LB | A/A LAYBY | H | | | | | |
| 4 | MSMA | 6.6 | EC | | 2 LB | A/A LAYBY | H | | | | | |
| 4 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 5 | Roundup Ready Cotton | | | | | | | 22.2 a | 15.0 e-h | 8.3 fg | 10.0 g | 41.7 cde |
| 5 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 5 | AMS | 3.4 | L | | 3 LB | A/A EPO | D | | | | | |
| 5 | Dual Magnum | 7.62 | EC | | 1 LB | A/A EPO | D | | | | | |
| 5 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 5 | AMS | 3.4 | L | | 3 LB | A/A POST | F | | | | | |
| 5 | Valor | 51 | WDG | 0.063 | LB | A/A LAYBY | H | | | | | |
| 5 | MSMA | 6.6 | EC | | 2 LB | A/A LAYBY | H | | | | | |
| 5 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 6 | Roundup Ready Cotton | | | | | | | 24.3 a | 10.0 ghi | 16.7 efg | 8.3 g | 100.0 a |
| 6 | Prowl | 3.3 | EC | | 1 LB | A/A PRE | A | | | | | |
| 6 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 6 | AMS | 3.4 | L | | 3 LB | A/A EPO | D | | | | | |
| 6 | Dual Magnum | 7.62 | EC | | 1 LB | A/A EPO | D | | | | | |
| 6 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 6 | AMS | 3.4 | L | | 3 LB | A/A POST | F | | | | | |
| 6 | Valor | 51 | WDG | 0.063 | LB | A/A LAYBY | H | | | | | |
| 6 | MSMA | 6.6 | EC | | 2 LB | A/A LAYBY | H | | | | | |
| 6 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 7 | Roundup Ready Cotton | | | | | | | 25.5 a | 11.7 f-i | 10.0 fg | 69.7 b-e | 100.0 a |
| 7 | Prowl | 3.3 | EC | | 1 LB | A/A PRE | A | | | | | |
| 7 | Cotoran | 4 | L | | 1 LB | A/A PRE | A | | | | | |
| 7 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 7 | AMS | 3.4 | L | | 3 LB | A/A EPO | D | | | | | |
| 7 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 7 | AMS | 3.4 | L | | 3 LB | A/A POST | F | | | | | |
| 7 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A LPO | G | | | | | |
| 7 | AMS | 3.4 | L | | 3 LB | A/A LPO | G | | | | | |
| 8 | Roundup Ready Cotton | | | | | | | 23.7 a | 6.7 hij | 10.0 fg | 100.0 a | 100.0 a |
| 8 | Prowl | 3.3 | EC | | 1 LB | A/A PRE | A | | | | | |
| 8 | Cotoran | 4 | L | | 1 LB | A/A PRE | A | | | | | |
| 8 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 8 | AMS | 3.4 | L | | 3 LB | A/A EPO | D | | | | | |
| 8 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 8 | AMS | 3.4 | L | | 3 LB | A/A POST | F | | | | | |
| 8 | Caparol | 4 | L | | 1 LB | A/A LAYBY | H | | | | | |
| 8 | MSMA | 6.6 | EC | | 2 LB | A/A LAYBY | H | | | | | |
| 8 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 9 | Roundup Ready Cotton | | | | | | | 24.8 a | 6.7 hij | 16.7 efg | 96.7 ab | 100.0 a |
| 9 | Prowl | 3.3 | EC | | 1 LB | A/A PRE | A | | | | | |
| 9 | Cotoran | 4 | L | | 1 LB | A/A PRE | A | | | | | |
| 9 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 9 | AMS | 3.4 | L | | 3 LB | A/A EPO | D | | | | | |
| 9 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 9 | AMS | 3.4 | L | | 3 LB | A/A POST | F | | | | | |
| 9 | Valor | 51 | WDG | 0.063 | LB | A/A LAYBY | H | | | | | |
| 9 | MSMA | 6.6 | EC | | 2 LB | A/A LAYBY | H | | | | | |
| 9 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | Pest Name | Part Rated | Rating Data Type | Rating Unit | Rating Date | PLANT | | CROP | | CYPES | AMBEL | CHEAL |
|-------------------------|-----------|------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | | | | | | STAND | INJURY | WEED | WEED | WEED | WEED | WEED |
| Trt Treatment | Form | Form | Rate | Growth | Appl | 25-May-2005 | 10-Jun-2005 | 10-Jun-2005 | 10-Jun-2005 | 10-Jun-2005 | 10-Jun-2005 | 10-Jun-2005 |
| No. Name | Conc | Type | Rate | Unit | Stage | Code | | | | | | |
| 10 Roundup Ready Cotton | | | | | | | 24.8 a | 31.7 ab | 11.7 fg | 98.3 a | 100.0 a | |
| 10 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | | |
| 10 Cotoran | 4 | L | | 1 LB A/A | PRE | A | | | | | | |
| 10 Staple | 85 | SP | 0.032 | LB A/A | EPO | D | | | | | | |
| 10 Induce | | L | 0.25 | % V/V | EPO | D | | | | | | |
| 10 Cotoran | 4 | L | | 1 LB A/A | PD 6-8" | C E | | | | | | |
| 10 MSMA | 6.6 | EC | | 2 LB A/A | PD 6-8" | C E | | | | | | |
| 10 Induce | | L | 0.25 | % V/V | PD 6-8" | C E | | | | | | |
| 10 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | | | |
| 10 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | | |
| 10 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | | |
| 10 Weed-Free | | | | | ASN | | | | | | | |
| 11 Roundup Ready Cotton | | | | | | | 25.2 a | 0.0 j | 0.0 g | 0.0 g | 0.0 f | |
| 11 Untreated Check | | | | | | | | | | | | |
| 12 Roundup Ready Cotton | | | | | | | 24.3 a | 11.7 f-i | 11.7 fg | 11.7 g | 55.0 c | |
| 12 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | | | | | |
| 12 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | | |
| 12 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | | |
| 12 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | | | | | |
| 12 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | | |
| 12 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | | | | | |
| 12 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | | | |
| 12 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | | | |
| 13 Roundup Ready Cotton | | | | | | | 23.7 a | 25.0 bcd | 16.7 efg | 13.3 g | 100.0 a | |
| 13 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | | |
| 13 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | | | | | |
| 13 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | | |
| 13 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | | |
| 13 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | | | | | |
| 13 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | | |
| 13 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | | | | | |
| 13 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | | | |
| 13 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | | | |
| 14 Roundup Ready Cotton | | | | | | | 23.5 a | 11.7 f-i | 3.3 g | 8.3 g | 40.0 de | |
| 14 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | | | | | |
| 14 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | | |
| 14 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | | |
| 14 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | | | | | |
| 14 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | | |
| 14 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | | | | | |
| 14 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | | | |
| 14 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | | |
| 14 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | | |
| 15 Roundup Ready Cotton | | | | | | | 21.8 a | 21.7 cde | 26.7 c-g | 11.7 g | 100.0 a | |
| 15 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | | |
| 15 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | | | | | |
| 15 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | | |
| 15 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | | |
| 15 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | | | | | |
| 15 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | | |
| 15 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | | | | | |
| 15 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | | | |
| 15 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | | |
| 15 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | | |
| 16 Liberty Link Cotton | | | | | | | 22.5 a | 5.0 ij | 63.3 abc | 100.0 a | 100.0 a | |
| 16 Ignite | 1.67 | EC | 0.42 | LB A/A | 1-2 LF | B | | | | | | |
| 16 AMS | 3.4 | L | | 3 LB A/A | 1-2 LF | B | | | | | | |
| 17 Liberty Link Cotton | | | | | | | 23.8 a | 6.7 hij | 51.7 b-e | 83.3 abc | 91.7 ab | |
| 17 Ignite | 1.67 | EC | 0.42 | LB A/A | 3-4 LF | C | | | | | | |
| 17 AMS | 3.4 | L | | 3 LB A/A | 3-4 LF | C | | | | | | |
| 18 Liberty Link Cotton | | | | | | | 23.3 a | 26.7 bcd | 91.7 a | 60.0 c-f | 80.0 b | |
| 18 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | | |
| 18 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | | |
| 18 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | | |
| 18 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | | |
| 18 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | | | |
| 18 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | | |
| 18 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | | |
| 19 Liberty Link Cotton | | | | | | | 22.5 a | 28.3 abc | 53.3 b-e | 58.3 c-f | 100.0 a | |
| 19 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | | |
| 19 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | | |
| 19 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | | |
| 19 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | | |
| 19 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | | |
| 19 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | | |
| 19 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | | | |
| 19 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | | |
| 19 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | | CYPES | AMBEL | CHEAL | | |
|------------------------|-------------|-------------|-------|----------|--------------|-----------|------------------|-------------|---------------|----------|---------|
| Pest Name | | | | | | | Nutsedge, yellow | Ragweed | Lambsquarters | | |
| Part Rated | | | | | | | WEED | WEED | WEED | | |
| Rating Data Type | PLANT | CROP | | | | | CONTROL | CONTROL | CONTROL | | |
| Rating Unit | STAND | INJURY | | | | | % | % | % | | |
| Rating Date | 10 FT/RW | % | | | | | % | % | % | | |
| Trt Treatment | 25-May-2005 | 10-Jun-2005 | | | | | 10-Jun-2005 | 10-Jun-2005 | 10-Jun-2005 | | |
| No. Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | | | | | |
| 20 Liberty Link Cotton | | | | | | | 22.5 a | 26.7 bcd | 45.0 b-f | 51.7 ef | 78.3 b |
| 20 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 20 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 20 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| 20 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 20 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 20 Valor | 51 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 20 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| 20 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 21 Liberty Link Cotton | | | | | | | 21.8 a | 31.7 ab | 30.0 b-g | 56.7 c-f | 100.0 a |
| 21 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 21 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 21 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 21 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| 21 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 21 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 21 Valor | 51 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 21 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| 21 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 22 Liberty Link Cotton | | | | | | | 23.8 a | 21.7 cde | 61.7 abc | 100.0 a | 100.0 a |
| 22 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 22 Cotoran | 4 | L | | 1 LB A/A | PRE | A | | | | | |
| 22 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 22 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 22 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 22 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 22 Ignite | 1.67 | EC | 0.75 | LB A/A | LPO | G | | | | | |
| 22 AMS | 3.4 | L | | 3 LB A/A | LPO | G | | | | | |
| 23 Liberty Link Cotton | | | | | | | 23.7 a | 28.3 abc | 51.7 b-e | 100.0 a | 100.0 a |
| 23 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 23 Cotoran | 4 | L | | 1 LB A/A | PRE | A | | | | | |
| 23 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 23 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 23 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 23 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 23 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | | |
| 23 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| 23 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 24 Liberty Link Cotton | | | | | | | 21.8 a | 20.0 c-f | 26.7 c-g | 100.0 a | 100.0 a |
| 24 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 24 Cotoran | 4 | L | | 1 LB A/A | PRE | A | | | | | |
| 24 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 24 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 24 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 24 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 24 Valor | 51 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 24 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| 24 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 25 Liberty Link Cotton | | | | | | | 22.7 a | 36.7 a | 51.7 b-e | 100.0 a | 100.0 a |
| 25 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 25 Cotoran | 4 | L | | 1 LB A/A | PRE | A | | | | | |
| 25 Staple | 85 | SP | 0.032 | LB A/A | EPO | D | | | | | |
| 25 Induce | | L | 0.25 | % V/V | EPO | D | | | | | |
| 25 Cotoran | 4 | L | | 1 LB A/A | PD 6-8" | C E | | | | | |
| 25 MSMA | 6.6 | EC | | 2 LB A/A | PD 6-8" | C E | | | | | |
| 25 Induce | | L | 0.25 | % V/V | PD 6-8" | C E | | | | | |
| 25 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | | |
| 25 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| 25 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 25 Weed-Free | | | | | ASN | | | | | | |
| 26 Liberty Link Cotton | | | | | | | 23.8 a | 0.0 j | 0.0 g | 0.0 g | 0.0 f |
| 26 Untreated Check | | | | | | | | | | | |
| 27 Liberty Link Cotton | | | | | | | 24.3 a | 28.3 abc | 63.3 abc | 56.7 c-f | 78.3 b |
| 27 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 27 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 27 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| 27 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 27 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 27 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | | |
| 27 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | | |
| 27 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | | |
| 28 Liberty Link Cotton | | | | | | | 23.0 a | 25.0 bcd | 31.7 b-g | 75.0 a-e | 85.0 b |
| 28 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 28 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 28 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 28 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | | |
| 28 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | | |
| 28 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | | CYPES | AMBEL | CHEAL |
|------------------------|-------------|-------------|----------|------|--------------|-----------|------------------|-------------|---------------|
| Pest Name | | | | | | | Nutsedge, yellow | Ragweed | Lambsquarters |
| Part Rated | | | | | | | WEED | WEED | WEED |
| Rating Data Type | PLANT | CROP | | | | | CONTROL | CONTROL | CONTROL |
| Rating Unit | STAND | INJURY | | | | | % | % | % |
| Rating Date | 10 FT/RW | % | | | | | % | % | % |
| Trt Treatment | 25-May-2005 | 10-Jun-2005 | | | | | 10-Jun-2005 | 10-Jun-2005 | 10-Jun-2005 |
| No. Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | | | |
| 29 Liberty Link Cotton | | | | | 22.3 a | 23.3 b-e | 65.0 ab | 55.0 def | 100.0 a |
| 29 Ignite | 1.67 EC | | 0.42 LB | A/A | EPO | D | | | |
| 29 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | |
| 29 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | |
| 29 Ignite | 1.67 EC | | 0.42 LB | A/A | POST | F | | | |
| 29 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | |
| 29 Ignite | 1.67 EC | | 0.42 LB | A/A | LAYBY | H | | | |
| 29 AMS | 3.4 L | | 3 LB | A/A | LAYBY | H | | | |
| 29 Valor | 54 WDG | | 0.063 LB | A/A | LAYBY | H | | | |
| 29 Induce | L | | 0.25 % | V/V | LAYBY | H | | | |
| 30 Liberty Link Cotton | | | | | 20.5 a | 25.0 bcd | 58.3 a-d | 80.0 a-d | 100.0 a |
| 30 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | |
| 30 Ignite | 1.67 EC | | 0.42 LB | A/A | EPO | D | | | |
| 30 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | |
| 30 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | |
| 30 Ignite | 1.67 EC | | 0.42 LB | A/A | POST | F | | | |
| 30 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | |
| 30 Ignite | 1.67 EC | | 0.42 LB | A/A | LAYBY | H | | | |
| 30 AMS | 3.4 L | | 3 LB | A/A | LAYBY | H | | | |
| 30 Valor | 54 WDG | | 0.063 LB | A/A | LAYBY | H | | | |
| 30 Induce | L | | 0.25 % | V/V | LAYBY | H | | | |
| LSD (P=.05) | | | | | 5.09 | 9.20 | 37.00 | 27.59 | 14.42 |
| Standard Deviation | | | | | 3.12 | 5.63 | 22.66 | 16.90 | 8.83 |
| CV | | | | | 13.45 | 31.67 | 71.81 | 30.42 | 10.89 |
| Grand Mean | | | | | 23.17 | 17.78 | 31.56 | 55.54 | 81.11 |

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean separations are based on the complete error term.
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | Pest Name | Part Rated | Rating Data Type | Rating Unit | Rating Date | Crabgrass, large | DIGSA WEED CONTROL | Carpetweed WEED CONTROL | MOLVE WEED CONTROL | CROP NECROSIS | CROP INJURY | AMBEL Ragweed WEED CONTROL |
|-----------|----------------------|------------|------------------|-------------|-------------|------------------|--------------------|-------------------------|--------------------|---------------|-------------|----------------------------|
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | | | | | |
| 1 | Roundup Ready Cotton | | | | | | | | | | | |
| 1 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A 1-2 LF | B | 99.7 a | 100.0 a | 3.0 kl | 1.7 gh | 96.7 ab |
| 1 | AMS | 3.4 | L | | 3 LB | A/A 1-2 LF | B | | | | | |
| 2 | Roundup Ready Cotton | | | | | | | | | | | |
| 2 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A 3-4 LF | C | 78.3 c | 88.3 a | 6.7 i-l | 4.3 fgh | 85.0 b-e |
| 2 | AMS | 3.4 | L | | 3 LB | A/A 3-4 LF | C | | | | | |
| 3 | Roundup Ready Cotton | | | | | | | | | | | |
| 3 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | 100.0 a | 95.0 a | 13.3 f-i | 9.3 b-f | 76.7 de |
| 3 | Dual Magnum | 7.62 | EC | | 1 LB | A/A EPO | D | | | | | |
| 3 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 3 | AMS | 3.4 | L | | 3 LB | A/A POST | F | | | | | |
| 3 | Caparol | | L | | 1 LB | A/A LAYBY | H | | | | | |
| 3 | MSMA | 6.6 | EC | | 2 LB | A/A LAYBY | H | | | | | |
| 3 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 4 | Roundup Ready Cotton | | | | | | | | | | | |
| 4 | Prowl | 3.3 | EC | | 1 LB | A/A PRE | A | 100.0 a | 100.0 a | 11.7 g-j | 7.3 d-g | 81.7 cde |
| 4 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 4 | AMS | 3.4 | L | | 3 LB | A/A EPO | D | | | | | |
| 4 | Dual Magnum | 7.62 | EC | | 1 LB | A/A EPO | D | | | | | |
| 4 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 4 | AMS | 3.4 | L | | 3 LB | A/A POST | F | | | | | |
| 4 | Caparol | | L | | 1 LB | A/A LAYBY | H | | | | | |
| 4 | MSMA | 6.6 | EC | | 2 LB | A/A LAYBY | H | | | | | |
| 4 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 5 | Roundup Ready Cotton | | | | | | | | | | | |
| 5 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | 80.0 bc | 91.7 a | 13.3 f-i | 7.7 c-g | 75.0 e |
| 5 | AMS | 3.4 | L | | 3 LB | A/A EPO | D | | | | | |
| 5 | Dual Magnum | 7.62 | EC | | 1 LB | A/A EPO | D | | | | | |
| 5 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 5 | AMS | 3.4 | L | | 3 LB | A/A POST | F | | | | | |
| 5 | Valor | | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | | | |
| 5 | MSMA | 6.6 | EC | | 2 LB | A/A LAYBY | H | | | | | |
| 5 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 6 | Roundup Ready Cotton | | | | | | | | | | | |
| 6 | Prowl | 3.3 | EC | | 1 LB | A/A PRE | A | 100.0 a | 70.0 b | 10.0 h-k | 6.0 e-h | 95.0 ab |
| 6 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 6 | AMS | 3.4 | L | | 3 LB | A/A EPO | D | | | | | |
| 6 | Dual Magnum | 7.62 | EC | | 1 LB | A/A EPO | D | | | | | |
| 6 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 6 | AMS | 3.4 | L | | 3 LB | A/A POST | F | | | | | |
| 6 | Valor | | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | | | |
| 6 | MSMA | 6.6 | EC | | 2 LB | A/A LAYBY | H | | | | | |
| 6 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 7 | Roundup Ready Cotton | | | | | | | | | | | |
| 7 | Prowl | 3.3 | EC | | 1 LB | A/A PRE | A | 96.7 a | 100.0 a | 5.0 jkl | 4.0 fgh | 100.0 a |
| 7 | Cotoran | | L | | 1 LB | A/A PRE | A | | | | | |
| 7 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 7 | AMS | 3.4 | L | | 3 LB | A/A EPO | D | | | | | |
| 7 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 7 | AMS | 3.4 | L | | 3 LB | A/A POST | F | | | | | |
| 7 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A LPO | G | | | | | |
| 7 | AMS | 3.4 | L | | 3 LB | A/A LPO | G | | | | | |
| 8 | Roundup Ready Cotton | | | | | | | | | | | |
| 8 | Prowl | 3.3 | EC | | 1 LB | A/A PRE | A | 100.0 a | 100.0 a | 5.0 jkl | 2.7 fgh | 100.0 a |
| 8 | Cotoran | | L | | 1 LB | A/A PRE | A | | | | | |
| 8 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 8 | AMS | 3.4 | L | | 3 LB | A/A EPO | D | | | | | |
| 8 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 8 | AMS | 3.4 | L | | 3 LB | A/A POST | F | | | | | |
| 8 | Caparol | | L | | 1 LB | A/A LAYBY | H | | | | | |
| 8 | MSMA | 6.6 | EC | | 2 LB | A/A LAYBY | H | | | | | |
| 8 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 9 | Roundup Ready Cotton | | | | | | | | | | | |
| 9 | Prowl | 3.3 | EC | | 1 LB | A/A PRE | A | 100.0 a | 100.0 a | 5.0 jkl | 9.3 b-f | 100.0 a |
| 9 | Cotoran | | L | | 1 LB | A/A PRE | A | | | | | |
| 9 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 9 | AMS | 3.4 | L | | 3 LB | A/A EPO | D | | | | | |
| 9 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 9 | AMS | 3.4 | L | | 3 LB | A/A POST | F | | | | | |
| 9 | Valor | | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | | | |
| 9 | MSMA | 6.6 | EC | | 2 LB | A/A LAYBY | H | | | | | |
| 9 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | DIGSA | MOLVE | | | AMBEL | |
|-------------------------|------|------|--------------|---------|------------------|-------------|-------------|-------------|-------------|----------|
| Pest Name | | | | | Crabgrass, large | Carpetweed | | | Ragweed | |
| Part Rated | | | | | WEED | WEED | CROP | CROP | WEED | |
| Rating Data Type | | | | | CONTROL | CONTROL | NECROSIS | INJURY | CONTROL | |
| Rating Unit | | | | | % | % | % | % | % | |
| Rating Date | | | | | 10-Jun-2005 | 10-Jun-2005 | 10-Jun-2005 | 17-Jun-2005 | 17-Jun-2005 | |
| Trt Treatment | Form | Form | Rate | Growth | Appl | | | | | |
| No. Name | Conc | Type | Unit | Stage | Code | | | | | |
| 10 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a | 4.3 jkl | 1.7 gh | 93.3 abc |
| 10 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 10 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 10 Staple | 85 | SP | 0.032 LB A/A | EPO | D | | | | | |
| 10 Induce | | L | 0.25 % V/V | EPO | D | | | | | |
| 10 Cotoran | 4 | L | 1 LB A/A | PD 6-8" | C E | | | | | |
| 10 MSMA | 6.6 | EC | 2 LB A/A | PD 6-8" | C E | | | | | |
| 10 Induce | | L | 0.25 % V/V | PD 6-8" | C E | | | | | |
| 10 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 10 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 10 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 10 Weed-Free | | | | ASN | | | | | | |
| 11 Roundup Ready Cotton | | | | | | 0.0 d | 0.0 c | 0.0 l | 0.0 h | 0.0 f |
| 11 Untreated Check | | | | | | | | | | |
| 12 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a | 8.3 ijk | 7.3 d-g | 91.7 abc |
| 12 Roundup WeatherMax | 4.5 | SL | 0.75 LB AE/A | EPO | D | | | | | |
| 12 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 12 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 12 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | POST | F | | | | | |
| 12 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 12 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | LAYBY | H | | | | | |
| 12 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | | |
| 12 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 13 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a | 21.7 b-e | 11.7 a-e | 90.0 abc |
| 13 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 13 Roundup WeatherMax | 4.5 | SL | 0.75 LB AE/A | EPO | D | | | | | |
| 13 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 13 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 13 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | POST | F | | | | | |
| 13 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 13 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | LAYBY | H | | | | | |
| 13 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | | |
| 13 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 14 Roundup Ready Cotton | | | | | | 90.0 ab | 90.0 a | 11.7 g-j | 6.0 e-h | 88.3 a-d |
| 14 Roundup WeatherMax | 4.5 | SL | 0.75 LB AE/A | EPO | D | | | | | |
| 14 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 14 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 14 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | POST | F | | | | | |
| 14 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 14 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | LAYBY | H | | | | | |
| 14 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | | |
| 14 Valor | 54 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 14 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 15 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a | 20.0 c-f | 6.7 d-h | 96.7 ab |
| 15 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 15 Roundup WeatherMax | 4.5 | SL | 0.75 LB AE/A | EPO | D | | | | | |
| 15 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 15 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 15 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | POST | F | | | | | |
| 15 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 15 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | LAYBY | H | | | | | |
| 15 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | | |
| 15 Valor | 54 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 15 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 16 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 3.3 kl | 4.0 fgh | 100.0 a |
| 16 Ignite | 1.67 | EC | 0.42 LB A/A | 1-2 LF | B | | | | | |
| 16 AMS | 3.4 | L | 3 LB A/A | 1-2 LF | B | | | | | |
| 17 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 6.7 i-l | 3.7 fgh | 100.0 a |
| 17 Ignite | 1.67 | EC | 0.42 LB A/A | 3-4 LF | C | | | | | |
| 17 AMS | 3.4 | L | 3 LB A/A | 3-4 LF | C | | | | | |
| 18 Liberty Link Cotton | | | | | | 100.0 a | 91.7 a | 26.7 abc | 9.0 b-f | 100.0 a |
| 18 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 18 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 18 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 18 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 18 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 18 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 18 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 19 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 26.7 abc | 15.0 ab | 100.0 a |
| 19 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 19 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 19 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 19 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 19 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 19 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 19 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 19 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 19 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | DIGSA | MOLVE | | | AMBEL | |
|------------------------|------|------|--------------|---------|------------------|-------------|-------------|-------------|-------------|---------|
| Pest Name | | | | | Crabgrass, large | Carpetweed | | | Ragweed | |
| Part Rated | | | | | WEED | WEED | CROP | CROP | WEED | |
| Rating Data Type | | | | | CONTROL | CONTROL | NECROSIS | INJURY | CONTROL | |
| Rating Unit | | | | | % | % | % | % | % | |
| Rating Date | | | | | 10-Jun-2005 | 10-Jun-2005 | 10-Jun-2005 | 17-Jun-2005 | 17-Jun-2005 | |
| Trt Treatment | Form | Form | Rate | Growth | Appl | | | | | |
| No. Name | Conc | Type | Unit | Stage | Code | | | | | |
| 20 Liberty Link Cotton | | | | | | 100.0 a | 96.7 a | 25.0 a-d | 14.3 abc | 100.0 a |
| 20 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 20 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 20 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 20 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 20 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 20 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 20 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 20 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 21 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 30.0 a | 16.7 a | 100.0 a |
| 21 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 21 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 21 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 21 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 21 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 21 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 21 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 21 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 21 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 22 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 20.0 c-f | 12.0 a-e | 100.0 a |
| 22 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 22 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 22 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 22 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 22 Ignite | 1.67 | EC | 0.75 LB A/A | LPO | G | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | LPO | G | | | | | |
| 23 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 26.7 abc | 14.3 abc | 100.0 a |
| 23 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 23 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 23 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 23 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 23 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 23 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 23 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 23 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 23 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 24 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 18.3 d-g | 14.3 abc | 100.0 a |
| 24 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 24 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 24 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 24 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 24 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 24 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 24 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 24 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 24 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 25 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 16.7 e-h | 13.3 a-d | 100.0 a |
| 25 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 25 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 25 Staple | 85 | SP | 0.032 LB A/A | EPO | D | | | | | |
| 25 Induce | | L | 0.25 % V/V | EPO | D | | | | | |
| 25 Cotoran | 4 | L | 1 LB A/A | PD 6-8" | C E | | | | | |
| 25 MSMA | 6.6 | EC | 2 LB A/A | PD 6-8" | C E | | | | | |
| 25 Induce | | L | 0.25 % V/V | PD 6-8" | C E | | | | | |
| 25 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 25 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 25 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 25 Weed-Free | | | | ASN | | | | | | |
| 26 Liberty Link Cotton | | | | | | 0.0 d | 0.0 c | 0.0 l | 0.0 h | 0.0 f |
| 26 Untreated Check | | | | | | | | | | |
| 27 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 26.7 abc | 16.7 a | 100.0 a |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 27 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | LAYBY | H | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | | |
| 27 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 28 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 28.3 ab | 15.0 ab | 100.0 a |
| 28 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 28 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | LAYBY | H | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | | |
| 28 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | | | | | | |
|------------------------|-----------|-----------|-----------|--------|--------------|-----------|---------|---------|----------|----------|---------|
| Pest Name | | | | | | | | | | | |
| Part Rated | | | | | | | | | | | |
| Rating Data Type | | | | | | | | | | | |
| Rating Unit | | | | | | | | | | | |
| Rating Date | | | | | | | | | | | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Rate | Unit | Growth Stage | Appl Code | | | | | |
| 29 Liberty Link Cotton | | | | | | | 95.0 a | 100.0 a | 21.7 b-e | 13.0 a-d | 100.0 a |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | | |
| 29 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | | |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | | |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H | | | | | |
| 29 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 29 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 30 Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 23.3 a-e | 14.3 abc | 100.0 a |
| 30 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | | |
| 30 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H | | | | | |
| 30 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 30 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| LSD (P=.05) | | | | | | | 10.35 | 16.81 | 7.82 | 6.73 | 12.10 |
| Standard Deviation | | | | | | | 6.34 | 10.29 | 4.79 | 4.12 | 7.41 |
| CV | | | | | | | 6.94 | 11.34 | 32.71 | 47.28 | 8.32 |
| Grand Mean | | | | | | | 91.32 | 90.78 | 14.63 | 8.71 | 89.0 |

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

Mean separations are based on the complete error term.

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

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | CHEAL | CYPES | MOLVE | IPOSS |
|------------------------|---------|------|----------|-------------|------|---------------|------------------|-------------|---------------|
| Pest Name | | | | | | Lambsquarters | Nutsedge, yellow | Carpetweed | Morning glory |
| Part Rated | | | | | | WEED | WEED | WEED | WEED |
| Rating Data Type | | | | | | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | | | | | | % | % | % | % |
| Rating Date | | | | | | 17-Jun-2005 | 17-Jun-2005 | 17-Jun-2005 | 17-Jun-2005 |
| Trt Treatment | Form | Form | Rate | Growth | Appl | | | | |
| No. Name | Conc | Type | Unit | Stage | Code | | | | |
| 1 Roundup Ready Cotton | | | | | | 100.0 a | 18.3 gh | 80.0 c | 100.0 a |
| 1 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A 1-2 LF | B | | | | |
| 1 AMS | 3.4 L | | 3 LB | A/A 1-2 LF | B | | | | |
| 2 Roundup Ready Cotton | | | | | | 100.0 a | 38.3 efg | 100.0 a | 91.7 ab |
| 2 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A 3-4 LF | C | | | | |
| 2 AMS | 3.4 L | | 3 LB | A/A 3-4 LF | C | | | | |
| 3 Roundup Ready Cotton | | | | | | 100.0 a | 40.0 efg | 100.0 a | 83.3 a-d |
| 3 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | |
| 3 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | | |
| 3 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | |
| 3 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | |
| 3 Caparol | 4 L | | 1 LB | A/A LAYBY | H | | | | |
| 3 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | |
| 3 Induce | L | | 0.25 % | V/V LAYBY | H | | | | |
| 4 Roundup Ready Cotton | | | | | | 100.0 a | 36.7 efg | 100.0 a | 88.3 abc |
| 4 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | |
| 4 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | |
| 4 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | |
| 4 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | | |
| 4 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | |
| 4 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | |
| 4 Caparol | 4 L | | 1 LB | A/A LAYBY | H | | | | |
| 4 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | |
| 4 Induce | L | | 0.25 % | V/V LAYBY | H | | | | |
| 5 Roundup Ready Cotton | | | | | | 100.0 a | 25.0 fg | 100.0 a | 41.7 e |
| 5 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | |
| 5 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | |
| 5 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | | |
| 5 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | |
| 5 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | |
| 5 Valor | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | | |
| 5 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | |
| 5 Induce | L | | 0.25 % | V/V LAYBY | H | | | | |
| 6 Roundup Ready Cotton | | | | | | 100.0 a | 35.0 efg | 100.0 a | 80.0 a-d |
| 6 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | |
| 6 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | |
| 6 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | |
| 6 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | | |
| 6 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | |
| 6 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | |
| 6 Valor | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | | |
| 6 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | |
| 6 Induce | L | | 0.25 % | V/V LAYBY | H | | | | |
| 7 Roundup Ready Cotton | | | | | | 100.0 a | 81.7 ab | 100.0 a | 76.7 a-d |
| 7 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | |
| 7 Cotoran | 4 L | | 1 LB | A/A PRE | A | | | | |
| 7 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | |
| 7 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | |
| 7 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A LPO | G | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A LPO | G | | | | |
| 8 Roundup Ready Cotton | | | | | | 100.0 a | 40.0 efg | 100.0 a | 100.0 a |
| 8 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | |
| 8 Cotoran | 4 L | | 1 LB | A/A PRE | A | | | | |
| 8 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | |
| 8 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | |
| 8 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | |
| 8 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | |
| 8 Caparol | 4 L | | 1 LB | A/A LAYBY | H | | | | |
| 8 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | |
| 8 Induce | L | | 0.25 % | V/V LAYBY | H | | | | |
| 9 Roundup Ready Cotton | | | | | | 100.0 a | 51.7 cde | 100.0 a | 100.0 a |
| 9 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | |
| 9 Cotoran | 4 L | | 1 LB | A/A PRE | A | | | | |
| 9 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | |
| 9 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | |
| 9 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | |
| 9 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | |
| 9 Valor | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | | |
| 9 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | |
| 9 Induce | L | | 0.25 % | V/V LAYBY | H | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | CHEAL | CYPES | MOLVE | IPOSS | | |
|-------------------------|-----------|-----------|-------|----------|---------------|------------------|-------------|---------------|---------|----------|
| Pest Name | | | | | Lambsquarters | Nutsedge, yellow | Carpetweed | Morning glory | | |
| Part Rated | | | | | WEED | WEED | WEED | WEED | | |
| Rating Data Type | | | | | CONTROL | CONTROL | CONTROL | CONTROL | | |
| Rating Unit | | | | | % | % | % | % | | |
| Rating Date | | | | | 17-Jun-2005 | 17-Jun-2005 | 17-Jun-2005 | 17-Jun-2005 | | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | | | | |
| 10 Roundup Ready Cotton | | | | | | | 100.0 a | 21.7 fgh | 100.0 a | 100.0 a |
| 10 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | |
| 10 Cotoran | 4 | L | | 1 LB A/A | PRE | A | | | | |
| 10 Staple | 85 | SP | 0.032 | LB A/A | EPO | D | | | | |
| 10 Induce | | L | 0.25 | % V/V | EPO | D | | | | |
| 10 Cotoran | 4 | L | | 1 LB A/A | PD 6-8" | C E | | | | |
| 10 MSMA | 6.6 | EC | | 2 LB A/A | PD 6-8" | C E | | | | |
| 10 Induce | | L | 0.25 | % V/V | PD 6-8" | C E | | | | |
| 10 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | |
| 10 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | |
| 10 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | |
| 10 Weed-Free | | | | | ASN | | | | | |
| 11 Roundup Ready Cotton | | | | | | | 0.0 b | 0.0 h | 0.0 d | 0.0 f |
| 11 Untreated Check | | | | | | | | | | |
| 12 Roundup Ready Cotton | | | | | | | 100.0 a | 43.3 def | 100.0 a | 66.7 b-e |
| 12 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | | | |
| 12 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | |
| 12 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | |
| 12 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | | | |
| 12 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | |
| 12 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | | | |
| 12 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | |
| 12 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | |
| 13 Roundup Ready Cotton | | | | | | | 100.0 a | 35.0 efg | 100.0 a | 55.0 de |
| 13 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | |
| 13 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | | | |
| 13 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | |
| 13 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | |
| 13 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | | | |
| 13 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | |
| 13 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | | | |
| 13 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | |
| 13 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | |
| 14 Roundup Ready Cotton | | | | | | | 100.0 a | 30.0 efg | 100.0 a | 58.3 cde |
| 14 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | | | |
| 14 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | |
| 14 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | |
| 14 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | | | |
| 14 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | |
| 14 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | | | |
| 14 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | |
| 14 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | |
| 14 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | |
| 15 Roundup Ready Cotton | | | | | | | 100.0 a | 33.3 efg | 100.0 a | 76.7 a-d |
| 15 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | |
| 15 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | | | |
| 15 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | |
| 15 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | |
| 15 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | | | |
| 15 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | |
| 15 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | | | |
| 15 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | |
| 15 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | |
| 15 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | |
| 16 Liberty Link Cotton | | | | | | | 100.0 a | 68.3 abc | 91.7 b | 100.0 a |
| 16 Ignite | 1.67 | EC | 0.42 | LB A/A | 1-2 LF | B | | | | |
| 16 AMS | 3.4 | L | | 3 LB A/A | 1-2 LF | B | | | | |
| 17 Liberty Link Cotton | | | | | | | 100.0 a | 88.3 ab | 96.7 ab | 100.0 a |
| 17 Ignite | 1.67 | EC | 0.42 | LB A/A | 3-4 LF | C | | | | |
| 17 AMS | 3.4 | L | | 3 LB A/A | 3-4 LF | C | | | | |
| 18 Liberty Link Cotton | | | | | | | 100.0 a | 83.3 ab | 100.0 a | 100.0 a |
| 18 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | |
| 18 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | |
| 18 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | |
| 18 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | |
| 18 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | |
| 18 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | |
| 18 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | |
| 19 Liberty Link Cotton | | | | | | | 100.0 a | 81.7 ab | 100.0 a | 100.0 a |
| 19 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | |
| 19 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | |
| 19 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | |
| 19 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | |
| 19 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | |
| 19 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | |
| 19 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | |
| 19 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | |
| 19 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | CHEAL | | CYPES | | MOLVE | | IPOSS | | |
|------------------------|---------------|-----------|------------------|--------------|-------------|---------|---------------|---------|----------|
| Pest Name | Lambsquarters | | Nutsedge, yellow | | Carpetweed | | Morning glory | | |
| Part Rated | WEED | | WEED | | WEED | | WEED | | |
| Rating Data Type | CONTROL | | CONTROL | | CONTROL | | CONTROL | | |
| Rating Unit | % | | % | | % | | % | | |
| Rating Date | 17-Jun-2005 | | 17-Jun-2005 | | 17-Jun-2005 | | 17-Jun-2005 | | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Unit | Growth Stage | Appl Code | | | | |
| 20 Liberty Link Cotton | | | | | | 100.0 a | 78.3 ab | 100.0 a | 100.0 a |
| 20 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 20 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 20 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | |
| 20 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 20 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 20 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | |
| 20 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | |
| 20 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |
| 21 Liberty Link Cotton | | | | | | 100.0 a | 65.0 bcd | 100.0 a | 86.7 abc |
| 21 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 21 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 21 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 21 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | |
| 21 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 21 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 21 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | |
| 21 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | |
| 21 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |
| 22 Liberty Link Cotton | | | | | | 100.0 a | 91.7 a | 100.0 a | 99.3 a |
| 22 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 22 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | |
| 22 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 22 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 22 Ignite | 1.67 | EC | 0.75 LB A/A | LPO | G | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | LPO | G | | | | |
| 23 Liberty Link Cotton | | | | | | 100.0 a | 91.7 a | 100.0 a | 99.3 a |
| 23 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 23 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | |
| 23 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 23 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 23 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 23 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 23 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | |
| 23 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | |
| 23 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |
| 24 Liberty Link Cotton | | | | | | 100.0 a | 80.0 ab | 100.0 a | 100.0 a |
| 24 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 24 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | |
| 24 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 24 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 24 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 24 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 24 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | |
| 24 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | |
| 24 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |
| 25 Liberty Link Cotton | | | | | | 100.0 a | 75.0 abc | 100.0 a | 100.0 a |
| 25 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 25 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | |
| 25 Staple | 85 | SP | 0.032 LB A/A | EPO | D | | | | |
| 25 Induce | | L | 0.25 % V/V | EPO | D | | | | |
| 25 Cotoran | 4 | L | 1 LB A/A | PD 6-8" | C E | | | | |
| 25 MSMA | 6.6 | EC | 2 LB A/A | PD 6-8" | C E | | | | |
| 25 Induce | | L | 0.25 % V/V | PD 6-8" | C E | | | | |
| 25 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | |
| 25 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | |
| 25 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |
| 25 Weed-Free | | | | ASN | | | | | |
| 26 Liberty Link Cotton | | | | | | 0.0 b | 0.0 h | 0.0 d | 0.0 f |
| 26 Untreated Check | | | | | | | | | |
| 27 Liberty Link Cotton | | | | | | 100.0 a | 80.0 ab | 100.0 a | 100.0 a |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 27 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | LAYBY | H | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | |
| 27 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | |
| 28 Liberty Link Cotton | | | | | | 100.0 a | 75.0 abc | 100.0 a | 100.0 a |
| 28 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 28 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | LAYBY | H | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | |
| 28 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | CHEAL | | CYPES | | MOLVE | | IPOSS | | | |
|------------------------|---------------|-----------|------------------|----------|--------------|-----------|---------------|---------|---------|---------|
| Pest Name | Lambsquarters | | Nutsedge, yellow | | Carpetweed | | Morning glory | | | |
| Part Rated | WEED | | WEED | | WEED | | WEED | | | |
| Rating Data Type | CONTROL | | CONTROL | | CONTROL | | CONTROL | | | |
| Rating Unit | % | | % | | % | | % | | | |
| Rating Date | 17-Jun-2005 | | 17-Jun-2005 | | 17-Jun-2005 | | 17-Jun-2005 | | | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Rate | Unit | Growth Stage | Appl Code | | | | |
| 29 Liberty Link Cotton | | | | | | | 100.0 a | 85.0 ab | 100.0 a | 100.0 a |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | |
| 29 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | |
| 29 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | |
| 29 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | |
| 29 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | |
| 29 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | |
| 29 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | |
| 30 Liberty Link Cotton | | | | | | | 100.0 a | 88.3 ab | 100.0 a | 100.0 a |
| 30 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | |
| 30 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | |
| 30 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | |
| 30 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | |
| 30 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | |
| 30 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | |
| 30 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | |
| LSD (P=.05) | | | | | | | 0.00 | 24.73 | 5.50 | 30.21 |
| Standard Deviation | | | | | | | 0.00 | 15.14 | 3.37 | 18.50 |
| CV | | | | | | | 0.0 | 27.34 | 3.65 | 22.17 |
| Grand Mean | | | | | | | 93.33 | 55.39 | 92.28 | 83.46 |

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean separations are based on the complete error term.
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | Pest Name | Part Rated | Rating Data Type | Rating Unit | Rating Date | DIGSA Crabgrass, large | | | | DIGSA | | |
|-----------|----------------------|------------|------------------|-------------|-------------|------------------------|-------------|-------------|-----------------|-------------------------------|-------------|-------------|
| | | | | | | WEED CONTROL | CROP INJURY | CROP STUNT | STAND REDUCTION | Crabgrass, large WEED CONTROL | | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Growth Stage | Appl Code | 17-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 |
| 1 | Roundup Ready Cotton | | | | | | | 95.0 ab | 0.3 gh | 0.0 a | 0.0 a | 35.0 b |
| 1 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A 1-2 LF | B | | | | | |
| 1 | AMS | 3.4 | L | 3 | LB | A/A 1-2 LF | B | | | | | |
| 2 | Roundup Ready Cotton | | | | | | | 33.0 c | 4.0 e-h | 0.0 a | 0.0 a | 88.3 a |
| 2 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A 3-4 LF | C | | | | | |
| 2 | AMS | 3.4 | L | 3 | LB | A/A 3-4 LF | C | | | | | |
| 3 | Roundup Ready Cotton | | | | | | | 100.0 a | 3.3 fgh | 0.0 a | 0.0 a | 100.0 a |
| 3 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 3 | Dual Magnum | 7.62 | EC | 1 | LB | A/A EPO | D | | | | | |
| 3 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 3 | AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 3 | Caparol | 4 | L | 1 | LB | A/A LAYBY | H | | | | | |
| 3 | MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 3 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 4 | Roundup Ready Cotton | | | | | | | 100.0 a | 3.3 fgh | 0.0 a | 0.0 a | 100.0 a |
| 4 | Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 4 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 4 | AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 4 | Dual Magnum | 7.62 | EC | 1 | LB | A/A EPO | D | | | | | |
| 4 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 4 | AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 4 | Caparol | 4 | L | 1 | LB | A/A LAYBY | H | | | | | |
| 4 | MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 4 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 5 | Roundup Ready Cotton | | | | | | | 100.0 a | 3.0 fgh | 0.0 a | 0.0 a | 98.3 a |
| 5 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 5 | AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 5 | Dual Magnum | 7.62 | EC | 1 | LB | A/A EPO | D | | | | | |
| 5 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 5 | AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 5 | Valor | 51 | WDG | 0.063 | LB | A/A LAYBY | H | | | | | |
| 5 | MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 5 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 6 | Roundup Ready Cotton | | | | | | | 100.0 a | 3.3 fgh | 0.0 a | 0.0 a | 96.7 a |
| 6 | Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 6 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 6 | AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 6 | Dual Magnum | 7.62 | EC | 1 | LB | A/A EPO | D | | | | | |
| 6 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 6 | AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 6 | Valor | 51 | WDG | 0.063 | LB | A/A LAYBY | H | | | | | |
| 6 | MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 6 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 7 | Roundup Ready Cotton | | | | | | | 100.0 a | 2.7 fgh | 0.0 a | 0.0 a | 100.0 a |
| 7 | Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 7 | Cotoran | 4 | L | 1 | LB | A/A PRE | A | | | | | |
| 7 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 7 | AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 7 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 7 | AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 7 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A LPO | G | | | | | |
| 7 | AMS | 3.4 | L | 3 | LB | A/A LPO | G | | | | | |
| 8 | Roundup Ready Cotton | | | | | | | 100.0 a | 2.3 fgh | 0.0 a | 0.0 a | 95.0 a |
| 8 | Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 8 | Cotoran | 4 | L | 1 | LB | A/A PRE | A | | | | | |
| 8 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 8 | AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 8 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 8 | AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 8 | Caparol | 4 | L | 1 | LB | A/A LAYBY | H | | | | | |
| 8 | MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 8 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 9 | Roundup Ready Cotton | | | | | | | 100.0 a | 11.7 b-e | 15.0 a | 0.0 a | 93.3 a |
| 9 | Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 9 | Cotoran | 4 | L | 1 | LB | A/A PRE | A | | | | | |
| 9 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 9 | AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 9 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 9 | AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 9 | Valor | 51 | WDG | 0.063 | LB | A/A LAYBY | H | | | | | |
| 9 | MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 9 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | Pest Name | Part Rated | Rating Data Type | Rating Unit | Rating Date | DIGSA | | | | DIGSA | | |
|-----------|----------------------|------------|------------------|-------------|-------------|------------------|--------------|-------------|-------------|-----------------|------------------|-------------|
| | | | | | | Crabgrass, large | WEED CONTROL | CROP INJURY | CROP STUNT | STAND REDUCTION | Crabgrass, large | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | 17-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 |
| 10 | Roundup Ready Cotton | | | | | | | 100.0 a | 15.0 bc | 0.0 a | 0.0 a | 100.0 a |
| 10 | Prowl | 3.3 | EC | 1 LB | A/A | PRE | A | | | | | |
| 10 | Cotoran | 4 | L | 1 LB | A/A | PRE | A | | | | | |
| 10 | Staple | 85 | SP | 0.032 | LB | A/A | EPO | | | | | |
| 10 | Induce | | L | 0.25 | % | V/V | EPO | | | | | |
| 10 | Cotoran | 4 | L | 1 LB | A/A | PD 6-8" | C E | | | | | |
| 10 | MSMA | 6.6 | EC | 2 LB | A/A | PD 6-8" | C E | | | | | |
| 10 | Induce | | L | 0.25 | % | V/V | PD 6-8" | C E | | | | |
| 10 | Caparol | 4 | L | 1 LB | A/A | LAYBY | H | | | | | |
| 10 | MSMA | 6.6 | EC | 2 LB | A/A | LAYBY | H | | | | | |
| 10 | Induce | | L | 0.25 | % | V/V | LAYBY | H | | | | |
| 10 | Weed-Free | | | | | ASN | | | | | | |
| 11 | Roundup Ready Cotton | | | | | | | 0.0 d | 0.0 h | 0.0 a | 0.0 a | 0.0 c |
| 11 | Untreated Check | | | | | | | | | | | |
| 12 | Roundup Ready Cotton | | | | | | | 70.0 ab | 4.0 e-h | 0.0 a | 0.0 a | 100.0 a |
| 12 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A | EPO | | | | | |
| 12 | AMS | 3.4 | L | 3 LB | A/A | EPO | D | | | | | |
| 12 | Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | D | | | | | |
| 12 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | POST | | | | | |
| 12 | AMS | 3.4 | L | 3 LB | A/A | POST | F | | | | | |
| 12 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | LAYBY | | | | | |
| 12 | AMS | 3.4 | L | 3 LB | A/A | LAYBY | H | | | | | |
| 12 | Caparol | 4 | L | 1 LB | A/A | LAYBY | H | | | | | |
| 13 | Roundup Ready Cotton | | | | | | | 100.0 a | 6.7 d-h | 0.0 a | 0.0 a | 100.0 a |
| 13 | Prowl | 3.3 | EC | 1 LB | A/A | PRE | A | | | | | |
| 13 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A | EPO | | | | | |
| 13 | AMS | 3.4 | L | 3 LB | A/A | EPO | D | | | | | |
| 13 | Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | D | | | | | |
| 13 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | POST | | | | | |
| 13 | AMS | 3.4 | L | 3 LB | A/A | POST | F | | | | | |
| 13 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | LAYBY | | | | | |
| 13 | AMS | 3.4 | L | 3 LB | A/A | LAYBY | H | | | | | |
| 13 | Caparol | 4 | L | 1 LB | A/A | LAYBY | H | | | | | |
| 14 | Roundup Ready Cotton | | | | | | | 100.0 a | 4.0 e-h | 0.0 a | 0.0 a | 100.0 a |
| 14 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A | EPO | | | | | |
| 14 | AMS | 3.4 | L | 3 LB | A/A | EPO | D | | | | | |
| 14 | Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | D | | | | | |
| 14 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | POST | | | | | |
| 14 | AMS | 3.4 | L | 3 LB | A/A | POST | F | | | | | |
| 14 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | LAYBY | | | | | |
| 14 | AMS | 3.4 | L | 3 LB | A/A | LAYBY | H | | | | | |
| 14 | Valor | 54 | WDG | 0.063 | LB | A/A | LAYBY | | | | | |
| 14 | Induce | | L | 0.25 | % | V/V | LAYBY | | | | | |
| 15 | Roundup Ready Cotton | | | | | | | 100.0 a | 8.3 c-g | 0.0 a | 0.0 a | 100.0 a |
| 15 | Prowl | 3.3 | EC | 1 LB | A/A | PRE | A | | | | | |
| 15 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A | EPO | | | | | |
| 15 | AMS | 3.4 | L | 3 LB | A/A | EPO | D | | | | | |
| 15 | Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | D | | | | | |
| 15 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | POST | | | | | |
| 15 | AMS | 3.4 | L | 3 LB | A/A | POST | F | | | | | |
| 15 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | LAYBY | | | | | |
| 15 | AMS | 3.4 | L | 3 LB | A/A | LAYBY | H | | | | | |
| 15 | Valor | 54 | WDG | 0.063 | LB | A/A | LAYBY | | | | | |
| 15 | Induce | | L | 0.25 | % | V/V | LAYBY | | | | | |
| 16 | Liberty Link Cotton | | | | | | | 70.0 ab | 5.0 e-h | 0.0 a | 0.0 a | 100.0 a |
| 16 | Ignite | 1.67 | EC | 0.42 | LB | A/A | 1-2 LF | | | | | |
| 16 | AMS | 3.4 | L | 3 LB | A/A | 1-2 LF | B | | | | | |
| 17 | Liberty Link Cotton | | | | | | | 100.0 a | 11.7 b-e | 0.0 a | 0.0 a | 100.0 a |
| 17 | Ignite | 1.67 | EC | 0.42 | LB | A/A | 3-4 LF | | | | | |
| 17 | AMS | 3.4 | L | 3 LB | A/A | 3-4 LF | C | | | | | |
| 18 | Liberty Link Cotton | | | | | | | 100.0 a | 11.7 b-e | 0.0 a | 0.0 a | 100.0 a |
| 18 | Ignite | 1.67 | EC | 0.42 | LB | A/A | EPO | | | | | |
| 18 | Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | D | | | | | |
| 18 | Ignite | 1.67 | EC | 0.42 | LB | A/A | POST | | | | | |
| 18 | AMS | 3.4 | L | 3 LB | A/A | POST | F | | | | | |
| 18 | Caparol | 4 | L | 1 LB | A/A | LAYBY | H | | | | | |
| 18 | MSMA | 6.6 | EC | 2 LB | A/A | LAYBY | H | | | | | |
| 18 | Induce | | L | 0.25 | % | V/V | LAYBY | | | | | |
| 19 | Liberty Link Cotton | | | | | | | 66.7 b | 10.0 b-f | 0.0 a | 0.0 a | 100.0 a |
| 19 | Prowl | 3.3 | EC | 1 LB | A/A | PRE | A | | | | | |
| 19 | Ignite | 1.67 | EC | 0.42 | LB | A/A | EPO | | | | | |
| 19 | AMS | 3.4 | L | 3 LB | A/A | EPO | D | | | | | |
| 19 | Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | D | | | | | |
| 19 | Ignite | 1.67 | EC | 0.42 | LB | A/A | POST | | | | | |
| 19 | AMS | 3.4 | L | 3 LB | A/A | POST | F | | | | | |
| 19 | Caparol | 4 | L | 1 LB | A/A | LAYBY | H | | | | | |
| 19 | MSMA | 6.6 | EC | 2 LB | A/A | LAYBY | H | | | | | |
| 19 | Induce | | L | 0.25 | % | V/V | LAYBY | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | Pest Name | Part Rated | Rating Data Type | Rating Unit | Rating Date | DIGSA Crabgrass, large | | | | DIGSA | | |
|-----------|---------------------|------------|------------------|-------------|-------------|------------------------|-------------|-------------|-----------------|-------------------------------|-------------|---------|
| | | | | | | WEED CONTROL | CROP INJURY | CROP STUNT | STAND REDUCTION | Crabgrass, large WEED CONTROL | | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | 17-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 | |
| 20 | Liberty Link Cotton | | | | | | | 100.0 a | 16.7 b | 0.0 a | 0.0 a | 100.0 a |
| 20 | Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 20 | AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 20 | Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| 20 | Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 20 | AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 20 | Valor | 51 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 20 | MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| 20 | Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 21 | Liberty Link Cotton | | | | | | | 100.0 a | 13.3 bcd | 0.0 a | 0.0 a | 100.0 a |
| 21 | Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 21 | Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 21 | AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 21 | Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| 21 | Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 21 | AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 21 | Valor | 51 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 21 | MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| 21 | Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 22 | Liberty Link Cotton | | | | | | | 100.0 a | 8.3 c-g | 0.0 a | 0.0 a | 100.0 a |
| 22 | Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 22 | Cotoran | 4 | L | | 1 LB A/A | PRE | A | | | | | |
| 22 | Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 22 | AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 22 | Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 22 | AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 22 | Ignite | 1.67 | EC | 0.75 | LB A/A | LPO | G | | | | | |
| 22 | AMS | 3.4 | L | | 3 LB A/A | LPO | G | | | | | |
| 23 | Liberty Link Cotton | | | | | | | 100.0 a | 10.0 b-f | 0.0 a | 0.0 a | 100.0 a |
| 23 | Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 23 | Cotoran | 4 | L | | 1 LB A/A | PRE | A | | | | | |
| 23 | Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 23 | AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 23 | Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 23 | AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 23 | Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | | |
| 23 | MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| 23 | Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 24 | Liberty Link Cotton | | | | | | | 100.0 a | 10.0 b-f | 0.0 a | 0.0 a | 100.0 a |
| 24 | Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 24 | Cotoran | 4 | L | | 1 LB A/A | PRE | A | | | | | |
| 24 | Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 24 | AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 24 | Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 24 | AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 24 | Valor | 51 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 24 | MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| 24 | Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 25 | Liberty Link Cotton | | | | | | | 100.0 a | 36.7 a | 0.0 a | 0.0 a | 100.0 a |
| 25 | Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 25 | Cotoran | 4 | L | | 1 LB A/A | PRE | A | | | | | |
| 25 | Staple | 85 | SP | 0.032 | LB A/A | EPO | D | | | | | |
| 25 | Induce | | L | 0.25 | % V/V | EPO | D | | | | | |
| 25 | Cotoran | 4 | L | | 1 LB A/A | PD 6-8" | C E | | | | | |
| 25 | MSMA | 6.6 | EC | | 2 LB A/A | PD 6-8" | C E | | | | | |
| 25 | Induce | | L | 0.25 | % V/V | PD 6-8" | C E | | | | | |
| 25 | Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | | |
| 25 | MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| 25 | Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 25 | Weed-Free | | | | | ASN | | | | | | |
| 26 | Liberty Link Cotton | | | | | | | 0.0 d | 0.0 h | 0.0 a | 0.0 a | 0.0 c |
| 26 | Untreated Check | | | | | | | | | | | |
| 27 | Liberty Link Cotton | | | | | | | 100.0 a | 16.7 b | 0.0 a | 0.0 a | 100.0 a |
| 27 | Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 27 | AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 27 | Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| 27 | Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 27 | AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 27 | Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | | |
| 27 | AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | | |
| 27 | Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | | |
| 28 | Liberty Link Cotton | | | | | | | 100.0 a | 13.3 bcd | 0.0 a | 0.0 a | 100.0 a |
| 28 | Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 28 | Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 28 | AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 28 | Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| 28 | Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 28 | AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 28 | Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | | |
| 28 | AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | | |
| 28 | Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | DIGSA | | DIGSA | | |
|------------------------|------|------|----------|--------|-------|------------------|-------------|------------------|-------------|---------|
| Pest Name | | | | | | Crabgrass, large | | Crabgrass, large | | |
| Part Rated | | | | | | WEED | CROP | CROP | STAND | |
| Rating Data Type | | | | | | CONTROL | INJURY | STUNT | REDUCTION | |
| Rating Unit | | | | | | % | % | % | % | |
| Rating Date | | | | | | 17-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 | |
| Trt Treatment | Form | Form | Rate | Growth | Appl | | | | | |
| No. Name | Conc | Type | Rate | Stage | Code | | | | | |
| 29 Liberty Link Cotton | | | | | | 100.0 a | 11.7 b-e | 0.0 a | 0.0 a | 100.0 a |
| 29 Ignite | 1.67 | EC | 0.42 LB | A/A | EPO | | | | | |
| 29 AMS | 3.4 | L | 3 LB | A/A | EPO | | | | | |
| 29 Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | | | | | |
| 29 Ignite | 1.67 | EC | 0.42 LB | A/A | POST | | | | | |
| 29 AMS | 3.4 | L | 3 LB | A/A | POST | | | | | |
| 29 Ignite | 1.67 | EC | 0.42 LB | A/A | LAYBY | | | | | |
| 29 AMS | 3.4 | L | 3 LB | A/A | LAYBY | | | | | |
| 29 Valor | 54 | WDG | 0.063 LB | A/A | LAYBY | | | | | |
| 29 Induce | | L | 0.25 % | V/V | LAYBY | | | | | |
| 30 Liberty Link Cotton | | | | | | 100.0 a | 11.7 b-e | 0.0 a | 0.0 a | 100.0 a |
| 30 Prowl | 3.3 | EC | 1 LB | A/A | PRE | | | | | |
| 30 Ignite | 1.67 | EC | 0.42 LB | A/A | EPO | | | | | |
| 30 AMS | 3.4 | L | 3 LB | A/A | EPO | | | | | |
| 30 Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | | | | | |
| 30 Ignite | 1.67 | EC | 0.42 LB | A/A | POST | | | | | |
| 30 AMS | 3.4 | L | 3 LB | A/A | POST | | | | | |
| 30 Ignite | 1.67 | EC | 0.42 LB | A/A | LAYBY | | | | | |
| 30 AMS | 3.4 | L | 3 LB | A/A | LAYBY | | | | | |
| 30 Valor | 54 | WDG | 0.063 LB | A/A | LAYBY | | | | | |
| 30 Induce | | L | 0.25 % | V/V | LAYBY | | | | | |
| LSD (P=.05) | | | | | | 30.90 | 8.09 | 7.75 | 0.00 | 17.94 |
| Standard Deviation | | | | | | 18.92 | 4.95 | 4.74 | 0.00 | 10.99 |
| CV | | | | | | 21.55 | 57.43 | 948.68 | 0.0 | 12.18 |
| Grand Mean | | | | | | 87.82 | 8.62 | 0.5 | 0.0 | 90.22 |

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean separations are based on the complete error term.
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | | | | | |
|------------------------|---------|------|----------|-------------|------|----------|----------|----------|---------|----------|
| Pest Name | | | | | | | | | | |
| Part Rated | | | | | | | | | | |
| Rating Data Type | | | | | | | | | | |
| Rating Unit | | | | | | | | | | |
| Rating Date | | | | | | | | | | |
| Trt Treatment | Form | Form | Rate | Growth | Appl | | | | | |
| No. Name | Conc | Type | Unit | Stage | Code | | | | | |
| 1 Roundup Ready Cotton | | | | | | 0.0 g | 100.0 a | 8.3 f | 93.3 a | 100.0 a |
| 1 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A 1-2 LF | B | | | | | |
| 1 AMS | 3.4 L | | 3 LB | A/A 1-2 LF | B | | | | | |
| 2 Roundup Ready Cotton | | | | | | 45.0 ef | 100.0 a | 53.3 de | 100.0 a | 98.3 ab |
| 2 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A 3-4 LF | C | | | | | |
| 2 AMS | 3.4 L | | 3 LB | A/A 3-4 LF | C | | | | | |
| 3 Roundup Ready Cotton | | | | | | 70.0 a-f | 100.0 a | 65.0 cde | 99.3 a | 83.3 d |
| 3 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | | |
| 3 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | | | |
| 3 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | | |
| 3 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | | |
| 3 Caparol | 4 L | | 1 LB | A/A LAYBY | H | | | | | |
| 3 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | | |
| 3 Induce | L | | 0.25 % | V/V LAYBY | H | | | | | |
| 4 Roundup Ready Cotton | | | | | | 66.7 a-f | 100.0 a | 93.3 a | 100.0 a | 98.3 ab |
| 4 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | | |
| 4 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | | |
| 4 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | | |
| 4 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | | | |
| 4 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | | |
| 4 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | | |
| 4 Caparol | 4 L | | 1 LB | A/A LAYBY | H | | | | | |
| 4 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | | |
| 4 Induce | L | | 0.25 % | V/V LAYBY | H | | | | | |
| 5 Roundup Ready Cotton | | | | | | 56.7 c-f | 63.3 d | 66.7 b-e | 100.0 a | 96.7 abc |
| 5 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | | |
| 5 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | | |
| 5 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | | | |
| 5 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | | |
| 5 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | | |
| 5 Valor | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | | | |
| 5 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | | |
| 5 Induce | L | | 0.25 % | V/V LAYBY | H | | | | | |
| 6 Roundup Ready Cotton | | | | | | 61.7 b-f | 95.0 abc | 93.3 a | 100.0 a | 90.0 cd |
| 6 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | | |
| 6 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | | |
| 6 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | | |
| 6 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | | | |
| 6 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | | |
| 6 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | | |
| 6 Valor | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | | | |
| 6 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | | |
| 6 Induce | L | | 0.25 % | V/V LAYBY | H | | | | | |
| 7 Roundup Ready Cotton | | | | | | 83.3 a-d | 100.0 a | 98.3 a | 100.0 a | 96.7 abc |
| 7 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | | |
| 7 Cotoran | 4 L | | 1 LB | A/A PRE | A | | | | | |
| 7 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | | |
| 7 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | | |
| 7 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A LPO | G | | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A LPO | G | | | | | |
| 8 Roundup Ready Cotton | | | | | | 71.7 a-f | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 8 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | | |
| 8 Cotoran | 4 L | | 1 LB | A/A PRE | A | | | | | |
| 8 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | | |
| 8 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | | |
| 8 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | | |
| 8 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | | |
| 8 Caparol | 4 L | | 1 LB | A/A LAYBY | H | | | | | |
| 8 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | | |
| 8 Induce | L | | 0.25 % | V/V LAYBY | H | | | | | |
| 9 Roundup Ready Cotton | | | | | | 95.0 ab | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 9 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | | |
| 9 Cotoran | 4 L | | 1 LB | A/A PRE | A | | | | | |
| 9 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | | |
| 9 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | | |
| 9 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | | |
| 9 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | | |
| 9 Valor | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | | | |
| 9 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | | |
| 9 Induce | L | | 0.25 % | V/V LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | CYPES | IPOSS | MOLVE | CHEAL | AMBEL |
|-------------------------|---------|--------|----------|---------|------|------------------|---------------|-------------|---------------|-------------|
| Pest Name | | | | | | Nutsedge, yellow | Morning glory | Carpetweed | Lambsquarters | Ragweed |
| Part Rated | | | | | | WEED | WEED | WEED | WEED | WEED |
| Rating Data Type | | | | | | CONTROL | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | | | | | | % | % | % | % | % |
| Rating Date | | | | | | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 |
| Trt Treatment | Form | Form | Rate | Growth | Appl | | | | | |
| No. Name | Conc | Type | Unit | Stage | Code | | | | | |
| 10 Roundup Ready Cotton | | | | | | 86.7 a-d | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 10 Prowl | 3.3 EC | | 1 LB A/A | PRE | A | | | | | |
| 10 Cotoran | 4 L | | 1 LB A/A | PRE | A | | | | | |
| 10 Staple | 85 SP | 0.032 | LB A/A | EPO | D | | | | | |
| 10 Induce | L | 0.25 % | V/V | EPO | D | | | | | |
| 10 Cotoran | 4 L | | 1 LB A/A | PD 6-8" | C E | | | | | |
| 10 MSMA | 6.6 EC | | 2 LB A/A | PD 6-8" | C E | | | | | |
| 10 Induce | L | 0.25 % | V/V | PD 6-8" | C E | | | | | |
| 10 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 10 MSMA | 6.6 EC | | 2 LB A/A | LAYBY | H | | | | | |
| 10 Induce | L | 0.25 % | V/V | LAYBY | H | | | | | |
| 10 Weed-Free | | | | ASN | | | | | | |
| 11 Roundup Ready Cotton | | | | | | 0.0 g | 0.0 e | 0.0 f | 0.0 c | 0.0 e |
| 11 Untreated Check | | | | | | | | | | |
| 12 Roundup Ready Cotton | | | | | | 50.0 def | 95.0 abc | 76.7 a-d | 100.0 a | 95.0 abc |
| 12 Roundup WeatherMax | 4.5 SL | 0.75 | LB AE/A | EPO | D | | | | | |
| 12 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 12 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 12 Roundup WeatherMAX | 4.5 SL | 0.75 | LB AE/A | POST | F | | | | | |
| 12 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 12 Roundup WeatherMAX | 4.5 SL | 0.75 | LB AE/A | LAYBY | H | | | | | |
| 12 AMS | 3.4 L | | 3 LB A/A | LAYBY | H | | | | | |
| 12 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 13 Roundup Ready Cotton | | | | | | 56.7 c-f | 88.3 abc | 81.7 abc | 70.0 b | 93.3 abc |
| 13 Prowl | 3.3 EC | | 1 LB A/A | PRE | A | | | | | |
| 13 Roundup WeatherMax | 4.5 SL | 0.75 | LB AE/A | EPO | D | | | | | |
| 13 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 13 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 13 Roundup WeatherMAX | 4.5 SL | 0.75 | LB AE/A | POST | F | | | | | |
| 13 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 13 Roundup WeatherMAX | 4.5 SL | 0.75 | LB AE/A | LAYBY | H | | | | | |
| 13 AMS | 3.4 L | | 3 LB A/A | LAYBY | H | | | | | |
| 13 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 14 Roundup Ready Cotton | | | | | | 65.0 a-f | 78.3 bcd | 85.0 abc | 100.0 a | 91.7 bc |
| 14 Roundup WeatherMax | 4.5 SL | 0.75 | LB AE/A | EPO | D | | | | | |
| 14 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 14 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 14 Roundup WeatherMAX | 4.5 SL | 0.75 | LB AE/A | POST | F | | | | | |
| 14 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 14 Roundup WeatherMAX | 4.5 SL | 0.75 | LB AE/A | LAYBY | H | | | | | |
| 14 AMS | 3.4 L | | 3 LB A/A | LAYBY | H | | | | | |
| 14 Valor | 54 WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 14 Induce | L | 0.25 % | V/V | LAYBY | H | | | | | |
| 15 Roundup Ready Cotton | | | | | | 61.7 b-f | 100.0 a | 88.3 abc | 100.0 a | 100.0 a |
| 15 Prowl | 3.3 EC | | 1 LB A/A | PRE | A | | | | | |
| 15 Roundup WeatherMax | 4.5 SL | 0.75 | LB AE/A | EPO | D | | | | | |
| 15 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 15 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 15 Roundup WeatherMAX | 4.5 SL | 0.75 | LB AE/A | POST | F | | | | | |
| 15 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 15 Roundup WeatherMAX | 4.5 SL | 0.75 | LB AE/A | LAYBY | H | | | | | |
| 15 AMS | 3.4 L | | 3 LB A/A | LAYBY | H | | | | | |
| 15 Valor | 54 WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 15 Induce | L | 0.25 % | V/V | LAYBY | H | | | | | |
| 16 Liberty Link Cotton | | | | | | 35.0 fg | 100.0 a | 41.7 e | 100.0 a | 100.0 a |
| 16 Ignite | 1.67 EC | 0.42 | LB A/A | 1-2 LF | B | | | | | |
| 16 AMS | 3.4 L | | 3 LB A/A | 1-2 LF | B | | | | | |
| 17 Liberty Link Cotton | | | | | | 93.3 abc | 100.0 a | 50.0 e | 100.0 a | 100.0 a |
| 17 Ignite | 1.67 EC | 0.42 | LB A/A | 3-4 LF | C | | | | | |
| 17 AMS | 3.4 L | | 3 LB A/A | 3-4 LF | C | | | | | |
| 18 Liberty Link Cotton | | | | | | 86.7 a-d | 88.3 abc | 96.7 a | 100.0 a | 100.0 a |
| 18 Ignite | 1.67 EC | 0.42 | LB A/A | EPO | D | | | | | |
| 18 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 18 Ignite | 1.67 EC | 0.42 | LB A/A | POST | F | | | | | |
| 18 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 18 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 18 MSMA | 6.6 EC | | 2 LB A/A | LAYBY | H | | | | | |
| 18 Induce | L | 0.25 % | V/V | LAYBY | H | | | | | |
| 19 Liberty Link Cotton | | | | | | 71.7 a-f | 90.0 abc | 100.0 a | 100.0 a | 100.0 a |
| 19 Prowl | 3.3 EC | | 1 LB A/A | PRE | A | | | | | |
| 19 Ignite | 1.67 EC | 0.42 | LB A/A | EPO | D | | | | | |
| 19 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 19 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 19 Ignite | 1.67 EC | 0.42 | LB A/A | POST | F | | | | | |
| 19 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 19 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 19 MSMA | 6.6 EC | | 2 LB A/A | LAYBY | H | | | | | |
| 19 Induce | L | 0.25 % | V/V | LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | CYPES | IPOSS | MOLVE | CHEAL | AMBEL |
|------------------------|-----------|-----------|--------------|--------------|-----------|------------------|---------------|-------------|---------------|-------------|
| Pest Name | | | | | | Nutsedge, yellow | Morning glory | Carpetweed | Lambsquarters | Ragweed |
| Part Rated | | | | | | WEED | WEED | WEED | WEED | WEED |
| Rating Data Type | | | | | | CONTROL | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | | | | | | % | % | % | % | % |
| Rating Date | | | | | | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Unit | Growth Stage | Appl Code | | | | | |
| 20 Liberty Link Cotton | | | | | | 70.0 a-f | 95.0 abc | 91.7 ab | 100.0 a | 100.0 a |
| 20 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 20 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 20 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 20 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 20 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 20 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 20 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 20 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 21 Liberty Link Cotton | | | | | | 88.3 abc | 76.7 cd | 100.0 a | 100.0 a | 100.0 a |
| 21 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 21 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 21 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 21 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 21 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 21 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 21 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 21 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 21 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 22 Liberty Link Cotton | | | | | | 95.0 ab | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 22 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 22 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 22 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 22 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 22 Ignite | 1.67 | EC | 0.75 LB A/A | LPO | G | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | LPO | G | | | | | |
| 23 Liberty Link Cotton | | | | | | 76.7 a-e | 86.7 abc | 100.0 a | 100.0 a | 100.0 a |
| 23 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 23 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 23 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 23 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 23 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 23 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 23 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 23 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 23 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 24 Liberty Link Cotton | | | | | | 85.0 a-d | 95.0 abc | 100.0 a | 100.0 a | 100.0 a |
| 24 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 24 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 24 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 24 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 24 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 24 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 24 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 24 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 24 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 25 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 25 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 25 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 25 Staple | 85 | SP | 0.032 LB A/A | EPO | D | | | | | |
| 25 Induce | | L | 0.25 % V/V | EPO | D | | | | | |
| 25 Cotoran | 4 | L | 1 LB A/A | PD 6-8" | C E | | | | | |
| 25 MSMA | 6.6 | EC | 2 LB A/A | PD 6-8" | C E | | | | | |
| 25 Induce | | L | 0.25 % V/V | PD 6-8" | C E | | | | | |
| 25 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 25 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 25 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 25 Weed-Free | | | | ASN | | | | | | |
| 26 Liberty Link Cotton | | | | | | 0.0 g | 0.0 e | 0.0 f | 0.0 c | 0.0 e |
| 26 Untreated Check | | | | | | | | | | |
| 27 Liberty Link Cotton | | | | | | 80.0 a-e | 96.7 ab | 90.0 abc | 100.0 a | 100.0 a |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 27 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | LAYBY | H | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | | |
| 27 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 28 Liberty Link Cotton | | | | | | 71.7 a-f | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 28 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 28 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | LAYBY | H | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | | |
| 28 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | CYPES | IPOSS | MOLVE | CHEAL | AMBEL |
|------------------------|-----------|-----------|-----------|------|--------------|------------------|---------------|-------------|---------------|-------------|
| Pest Name | | | | | | Nutsedge, yellow | Morning glory | Carpetweed | Lambsquarters | Ragweed |
| Part Rated | | | | | | WEED | WEED | WEED | WEED | WEED |
| Rating Data Type | | | | | | CONTROL | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | | | | | | % | % | % | % | % |
| Rating Date | | | | | | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 | 28-Jun-2005 |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Rate | Unit | Growth Stage | Appl Code | | | | |
| 29 Liberty Link Cotton | | | | | | 93.3 abc | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 29 Ignite | 1.67 EC | | 0.42 LB | A/A | EPO | D | | | | |
| 29 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | |
| 29 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | | |
| 29 Ignite | 1.67 EC | | 0.42 LB | A/A | POST | F | | | | |
| 29 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 29 Ignite | 1.67 EC | | 0.42 LB | A/A | LAYBY | H | | | | |
| 29 AMS | 3.4 L | | 3 LB | A/A | LAYBY | H | | | | |
| 29 Valor | 54 WDG | | 0.063 LB | A/A | LAYBY | H | | | | |
| 29 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | |
| 30 Liberty Link Cotton | | | | | | 90.0 abc | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 30 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | |
| 30 Ignite | 1.67 EC | | 0.42 LB | A/A | EPO | D | | | | |
| 30 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | |
| 30 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | | |
| 30 Ignite | 1.67 EC | | 0.42 LB | A/A | POST | F | | | | |
| 30 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 30 Ignite | 1.67 EC | | 0.42 LB | A/A | LAYBY | H | | | | |
| 30 AMS | 3.4 L | | 3 LB | A/A | LAYBY | H | | | | |
| 30 Valor | 54 WDG | | 0.063 LB | A/A | LAYBY | H | | | | |
| 30 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | |
| LSD (P=.05) | | | | | | 36.77 | 19.88 | 26.64 | 15.97 | 6.89 |
| Standard Deviation | | | | | | 22.52 | 12.17 | 16.32 | 9.78 | 4.22 |
| CV | | | | | | 33.66 | 13.79 | 20.57 | 10.62 | 4.61 |
| Grand Mean | | | | | | 66.89 | 88.28 | 79.33 | 92.09 | 91.44 |

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

Mean separations are based on the complete error term.

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

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | Pest Name | Part Rated | Rating Data Type | Rating Unit | Rating Date | AMBEL Ragweed WEED CONTROL % | CHEAL Lambsquarters WEED CONTROL % | MOLVE Carpetweed WEED CONTROL % | IPOSS Morning glory WEED CONTROL % | | | |
|-----------|----------------------|------------|------------------|-------------|-------------|--|--|---|--|-------------|-------------|---------|
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | 05-Jul-2005 | 05-Jul-2005 | 05-Jul-2005 | 05-Jul-2005 | |
| 1 | Roundup Ready Cotton | | | | | | | 0.0 a | 96.7 b | 91.7 b | 13.3 c | 100.0 a |
| 1 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A 1-2 LF | B | | | | | |
| 1 | AMS | 3.4 | L | 3 | LB | A/A 1-2 LF | B | | | | | |
| 2 | Roundup Ready Cotton | | | | | | | 0.0 a | 100.0 a | 98.3 a | 41.7 b | 100.0 a |
| 2 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A 3-4 LF | C | | | | | |
| 2 | AMS | 3.4 | L | 3 | LB | A/A 3-4 LF | C | | | | | |
| 3 | Roundup Ready Cotton | | | | | | | 0.0 a | 100.0 a | 100.0 a | 100.0 a | 96.7 ab |
| 3 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 3 | Dual Magnum | 7.62 | EC | 1 | LB | A/A EPO | D | | | | | |
| 3 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 3 | AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 3 | Caparol | 4 | L | 1 | LB | A/A LAYBY | H | | | | | |
| 3 | MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 3 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 4 | Roundup Ready Cotton | | | | | | | 1.7 a | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 4 | Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 4 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 4 | AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 4 | Dual Magnum | 7.62 | EC | 1 | LB | A/A EPO | D | | | | | |
| 4 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 4 | AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 4 | Caparol | 4 | L | 1 | LB | A/A LAYBY | H | | | | | |
| 4 | MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 4 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 5 | Roundup Ready Cotton | | | | | | | 0.7 a | 100.0 a | 100.0 a | 100.0 a | 95.0 ab |
| 5 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 5 | AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 5 | Dual Magnum | 7.62 | EC | 1 | LB | A/A EPO | D | | | | | |
| 5 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 5 | AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 5 | Valor | 51 | WDG | 0.063 | LB | A/A LAYBY | H | | | | | |
| 5 | MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 5 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 6 | Roundup Ready Cotton | | | | | | | 1.7 a | 100.0 a | 100.0 a | 100.0 a | 91.7 ab |
| 6 | Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 6 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 6 | AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 6 | Dual Magnum | 7.62 | EC | 1 | LB | A/A EPO | D | | | | | |
| 6 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 6 | AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 6 | Valor | 51 | WDG | 0.063 | LB | A/A LAYBY | H | | | | | |
| 6 | MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 6 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 7 | Roundup Ready Cotton | | | | | | | 1.7 a | 100.0 a | 100.0 a | 100.0 a | 98.3 a |
| 7 | Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 7 | Cotoran | 4 | L | 1 | LB | A/A PRE | A | | | | | |
| 7 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 7 | AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 7 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 7 | AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 7 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A LPO | G | | | | | |
| 7 | AMS | 3.4 | L | 3 | LB | A/A LPO | G | | | | | |
| 8 | Roundup Ready Cotton | | | | | | | 3.3 a | 100.0 a | 100.0 a | 100.0 a | 98.3 a |
| 8 | Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 8 | Cotoran | 4 | L | 1 | LB | A/A PRE | A | | | | | |
| 8 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 8 | AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 8 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 8 | AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 8 | Caparol | 4 | L | 1 | LB | A/A LAYBY | H | | | | | |
| 8 | MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 8 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 9 | Roundup Ready Cotton | | | | | | | 8.3 a | 100.0 a | 100.0 a | 100.0 a | 95.0 ab |
| 9 | Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 9 | Cotoran | 4 | L | 1 | LB | A/A PRE | A | | | | | |
| 9 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 9 | AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 9 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 9 | AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 9 | Valor | 51 | WDG | 0.063 | LB | A/A LAYBY | H | | | | | |
| 9 | MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 9 | Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | Pest Name | Part Rated | Rating Data Type | Rating Unit | Rating Date | AMBEL | | CHEAL | MOLVE | IPOSS | | |
|-----------|----------------------|------------|------------------|-------------|-------------|--------------|-----------|-------------|-------------|-------------|-------------|-------------|
| | | | | | | CROP | WEED | WEED | WEED | WEED | | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | 05-Jul-2005 | 05-Jul-2005 | 05-Jul-2005 | 05-Jul-2005 | 05-Jul-2005 |
| 10 | Roundup Ready Cotton | | | | | | | 0.0 a | 100.0 a | 100.0 a | 100.0 a | 98.3 a |
| 10 | Prowl | 3.3 | EC | 1 LB | A/A | PRE | A | | | | | |
| 10 | Cotoran | 4 | L | 1 LB | A/A | PRE | A | | | | | |
| 10 | Staple | 85 | SP | 0.032 | LB | A/A | EPO | D | | | | |
| 10 | Induce | | L | 0.25 | % | V/V | EPO | D | | | | |
| 10 | Cotoran | 4 | L | 1 LB | A/A | PD 6-8" | C E | | | | | |
| 10 | MSMA | 6.6 | EC | 2 LB | A/A | PD 6-8" | C E | | | | | |
| 10 | Induce | | L | 0.25 | % | V/V | PD 6-8" | C E | | | | |
| 10 | Caparol | 4 | L | 1 LB | A/A | LAYBY | H | | | | | |
| 10 | MSMA | 6.6 | EC | 2 LB | A/A | LAYBY | H | | | | | |
| 10 | Induce | | L | 0.25 | % | V/V | LAYBY | H | | | | |
| 10 | Weed-Free | | | | | ASN | | | | | | |
| 11 | Roundup Ready Cotton | | | | | | | 0.0 a | 0.0 c | 0.0 c | 0.0 d | 0.0 c |
| 11 | Untreated Check | | | | | | | | | | | |
| 12 | Roundup Ready Cotton | | | | | | | 1.7 a | 100.0 a | 100.0 a | 100.0 a | 95.0 ab |
| 12 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A | EPO | D | | | | |
| 12 | AMS | 3.4 | L | 3 LB | A/A | EPO | D | | | | | |
| 12 | Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | D | | | | | |
| 12 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | POST | F | | | | |
| 12 | AMS | 3.4 | L | 3 LB | A/A | POST | F | | | | | |
| 12 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | LAYBY | H | | | | |
| 12 | AMS | 3.4 | L | 3 LB | A/A | LAYBY | H | | | | | |
| 12 | Caparol | 4 | L | 1 LB | A/A | LAYBY | H | | | | | |
| 13 | Roundup Ready Cotton | | | | | | | 1.7 a | 100.0 a | 100.0 a | 100.0 a | 93.3 ab |
| 13 | Prowl | 3.3 | EC | 1 LB | A/A | PRE | A | | | | | |
| 13 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A | EPO | D | | | | |
| 13 | AMS | 3.4 | L | 3 LB | A/A | EPO | D | | | | | |
| 13 | Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | D | | | | | |
| 13 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | POST | F | | | | |
| 13 | AMS | 3.4 | L | 3 LB | A/A | POST | F | | | | | |
| 13 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | LAYBY | H | | | | |
| 13 | AMS | 3.4 | L | 3 LB | A/A | LAYBY | H | | | | | |
| 13 | Caparol | 4 | L | 1 LB | A/A | LAYBY | H | | | | | |
| 14 | Roundup Ready Cotton | | | | | | | 0.0 a | 100.0 a | 100.0 a | 100.0 a | 95.0 ab |
| 14 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A | EPO | D | | | | |
| 14 | AMS | 3.4 | L | 3 LB | A/A | EPO | D | | | | | |
| 14 | Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | D | | | | | |
| 14 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | POST | F | | | | |
| 14 | AMS | 3.4 | L | 3 LB | A/A | POST | F | | | | | |
| 14 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | LAYBY | H | | | | |
| 14 | AMS | 3.4 | L | 3 LB | A/A | LAYBY | H | | | | | |
| 14 | Valor | 54 | WDG | 0.063 | LB | A/A | LAYBY | H | | | | |
| 14 | Induce | | L | 0.25 | % | V/V | LAYBY | H | | | | |
| 15 | Roundup Ready Cotton | | | | | | | 3.3 a | 100.0 a | 100.0 a | 100.0 a | 95.0 ab |
| 15 | Prowl | 3.3 | EC | 1 LB | A/A | PRE | A | | | | | |
| 15 | Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A | EPO | D | | | | |
| 15 | AMS | 3.4 | L | 3 LB | A/A | EPO | D | | | | | |
| 15 | Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | D | | | | | |
| 15 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | POST | F | | | | |
| 15 | AMS | 3.4 | L | 3 LB | A/A | POST | F | | | | | |
| 15 | Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A | LAYBY | H | | | | |
| 15 | AMS | 3.4 | L | 3 LB | A/A | LAYBY | H | | | | | |
| 15 | Valor | 54 | WDG | 0.063 | LB | A/A | LAYBY | H | | | | |
| 15 | Induce | | L | 0.25 | % | V/V | LAYBY | H | | | | |
| 16 | Liberty Link Cotton | | | | | | | 0.0 a | 98.3 ab | 98.3 a | 40.0 b | 86.7 b |
| 16 | Ignite | 1.67 | EC | 0.42 | LB | A/A | 1-2 LF | B | | | | |
| 16 | AMS | 3.4 | L | 3 LB | A/A | 1-2 LF | B | | | | | |
| 17 | Liberty Link Cotton | | | | | | | 1.7 a | 100.0 a | 96.7 a | 33.3 b | 98.3 a |
| 17 | Ignite | 1.67 | EC | 0.42 | LB | A/A | 3-4 LF | C | | | | |
| 17 | AMS | 3.4 | L | 3 LB | A/A | 3-4 LF | C | | | | | |
| 18 | Liberty Link Cotton | | | | | | | 3.3 a | 100.0 a | 100.0 a | 100.0 a | 91.7 ab |
| 18 | Ignite | 1.67 | EC | 0.42 | LB | A/A | EPO | D | | | | |
| 18 | Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | D | | | | | |
| 18 | Ignite | 1.67 | EC | 0.42 | LB | A/A | POST | F | | | | |
| 18 | AMS | 3.4 | L | 3 LB | A/A | POST | F | | | | | |
| 18 | Caparol | 4 | L | 1 LB | A/A | LAYBY | H | | | | | |
| 18 | MSMA | 6.6 | EC | 2 LB | A/A | LAYBY | H | | | | | |
| 18 | Induce | | L | 0.25 | % | V/V | LAYBY | H | | | | |
| 19 | Liberty Link Cotton | | | | | | | 3.3 a | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 19 | Prowl | 3.3 | EC | 1 LB | A/A | PRE | A | | | | | |
| 19 | Ignite | 1.67 | EC | 0.42 | LB | A/A | EPO | D | | | | |
| 19 | AMS | 3.4 | L | 3 LB | A/A | EPO | D | | | | | |
| 19 | Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | D | | | | | |
| 19 | Ignite | 1.67 | EC | 0.42 | LB | A/A | POST | F | | | | |
| 19 | AMS | 3.4 | L | 3 LB | A/A | POST | F | | | | | |
| 19 | Caparol | 4 | L | 1 LB | A/A | LAYBY | H | | | | | |
| 19 | MSMA | 6.6 | EC | 2 LB | A/A | LAYBY | H | | | | | |
| 19 | Induce | | L | 0.25 | % | V/V | LAYBY | H | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | Pest Name | Part Rated | Rating Data Type | Rating Unit | Rating Date | AMBEL | | CHEAL | MOLVE | IPOSS | | |
|-----------|---------------------|------------|------------------|-------------|-------------|--------------|-----------|-------------|-------------|-------------|---------|---------|
| | | | | | | CROP | WEED | WEED | WEED | WEED | | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | 05-Jul-2005 | 05-Jul-2005 | 05-Jul-2005 | | |
| 20 | Liberty Link Cotton | | | | | | | 3.3 a | 100.0 a | 100.0 a | 100.0 a | 96.7 ab |
| | 20 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| | 20 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| | 20 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| | 20 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| | 20 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| | 20 Valor | | | 51 | WDG 0.063 | LB A/A | LAYBY | H | | | | |
| | 20 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| | 20 Induce | | | L | 0.25 % | V/V | LAYBY | H | | | | |
| 21 | Liberty Link Cotton | | | | | | | 3.3 a | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| | 21 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| | 21 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| | 21 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| | 21 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| | 21 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| | 21 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| | 21 Valor | | | 51 | WDG 0.063 | LB A/A | LAYBY | H | | | | |
| | 21 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| | 21 Induce | | | L | 0.25 % | V/V | LAYBY | H | | | | |
| 22 | Liberty Link Cotton | | | | | | | 0.0 a | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| | 22 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| | 22 Cotoran | | | 4 | L 1 LB | A/A | PRE | A | | | | |
| | 22 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| | 22 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| | 22 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| | 22 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| | 22 Ignite | 1.67 | EC | 0.75 | LB A/A | LPO | G | | | | | |
| | 22 AMS | 3.4 | L | | 3 LB A/A | LPO | G | | | | | |
| 23 | Liberty Link Cotton | | | | | | | 3.3 a | 100.0 a | 100.0 a | 100.0 a | 98.3 a |
| | 23 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| | 23 Cotoran | | | 4 | L 1 LB | A/A | PRE | A | | | | |
| | 23 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| | 23 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| | 23 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| | 23 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| | 23 Caparol | | | 4 | L 1 LB | A/A | LAYBY | H | | | | |
| | 23 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| | 23 Induce | | | L | 0.25 % | V/V | LAYBY | H | | | | |
| 24 | Liberty Link Cotton | | | | | | | 0.0 a | 100.0 a | 100.0 a | 100.0 a | 98.3 a |
| | 24 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| | 24 Cotoran | | | 4 | L 1 LB | A/A | PRE | A | | | | |
| | 24 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| | 24 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| | 24 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| | 24 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| | 24 Valor | | | 51 | WDG 0.063 | LB A/A | LAYBY | H | | | | |
| | 24 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| | 24 Induce | | | L | 0.25 % | V/V | LAYBY | H | | | | |
| 25 | Liberty Link Cotton | | | | | | | 10.0 a | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| | 25 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| | 25 Cotoran | | | 4 | L 1 LB | A/A | PRE | A | | | | |
| | 25 Staple | 85 | SP | 0.032 | LB A/A | EPO | D | | | | | |
| | 25 Induce | | | L | 0.25 % | V/V | EPO | D | | | | |
| | 25 Cotoran | | | 4 | L 1 LB | A/A | PD 6-8" | C E | | | | |
| | 25 MSMA | 6.6 | EC | | 2 LB A/A | PD 6-8" | C E | | | | | |
| | 25 Induce | | | L | 0.25 % | V/V | PD 6-8" | C E | | | | |
| | 25 Caparol | | | 4 | L 1 LB | A/A | LAYBY | H | | | | |
| | 25 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| | 25 Induce | | | L | 0.25 % | V/V | LAYBY | H | | | | |
| | 25 Weed-Free | | | | | | ASN | | | | | |
| 26 | Liberty Link Cotton | | | | | | | 0.0 a | 0.0 c | 0.0 c | 0.0 d | 0.0 c |
| | 26 Untreated Check | | | | | | | | | | | |
| 27 | Liberty Link Cotton | | | | | | | 1.7 a | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| | 27 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| | 27 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| | 27 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| | 27 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| | 27 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| | 27 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | | |
| | 27 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | | |
| | 27 Caparol | | | 4 | L 1 LB | A/A | LAYBY | H | | | | |
| 28 | Liberty Link Cotton | | | | | | | 0.0 a | 100.0 a | 100.0 a | 100.0 a | 98.3 a |
| | 28 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| | 28 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| | 28 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| | 28 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| | 28 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| | 28 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| | 28 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | | |
| | 28 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | | |
| | 28 Caparol | | | 4 | L 1 LB | A/A | LAYBY | H | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | AMBEL | CHEAL | MOLVE | IPOSS | | |
|------------------------|-----------|-----------|-----------|-----------|--------------|-------------|---------------|-------------|---------------|---------|---------|
| Pest Name | | | | | | Ragweed | Lambsquarters | Carpetweed | Morning glory | | |
| Part Rated | | | | | | WEED | WEED | WEED | WEED | | |
| Rating Data Type | | | | | | CONTROL | CONTROL | CONTROL | CONTROL | | |
| Rating Unit | | | | | | % | % | % | % | | |
| Rating Date | | | | | | 05-Jul-2005 | 05-Jul-2005 | 05-Jul-2005 | 05-Jul-2005 | | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Rate | Unit Unit | Growth Stage | Appl Code | | | | | |
| 29 Liberty Link Cotton | | | | | | | 0.0 a | 100.0 a | 100.0 a | 100.0 a | 86.7 b |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | | |
| 29 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | | |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | | |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H | | | | | |
| 29 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 29 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 30 Liberty Link Cotton | | | | | | | 0.0 a | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 30 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | | |
| 30 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H | | | | | |
| 30 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 30 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| LSD (P=.05) | | | | | | | 5.77 | 1.92 | 3.45 | 12.19 | 10.10 |
| Standard Deviation | | | | | | | 3.53 | 1.18 | 2.11 | 7.46 | 6.18 |
| CV | | | | | | | 196.27 | 1.26 | 2.28 | 8.86 | 6.86 |
| Grand Mean | | | | | | | 1.8 | 93.17 | 92.83 | 84.28 | 90.22 |

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean separations are based on the complete error term.
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | CYPES | DIGSA | ELEIN | AMBEL | CHEAL | |
|------------------------|-----------|-----------|----------|------|--------------|------------------|------------------|-------------|-------------|---------------|---------|
| Pest Name | | | | | | Nutsedge, yellow | Crabgrass, large | Goosegrass | Ragweed | Lambsquarters | |
| Part Rated | | | | | | WEED | WEED | WEED | WEED | WEED | |
| Rating Data Type | | | | | | CONTROL | CONTROL | CONTROL | CONTROL | CONTROL | |
| Rating Unit | | | | | | % | % | % | % | % | |
| Rating Date | | | | | | 05-Jul-2005 | 05-Jul-2005 | 05-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | | | | | |
| 1 Roundup Ready Cotton | | | | | | | 3.3 g | 36.7 b | 16.7 c | 91.7 bc | 83.3 b |
| 1 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | 1-2 LF | B | | | | | |
| 1 AMS | 3.4 L | | 3 LB | A/A | 1-2 LF | B | | | | | |
| 2 Roundup Ready Cotton | | | | | | | 35.0 f | 88.3 a | 66.7 b | 96.7 abc | 91.7 ab |
| 2 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | 3-4 LF | C | | | | | |
| 2 AMS | 3.4 L | | 3 LB | A/A | 3-4 LF | C | | | | | |
| 3 Roundup Ready Cotton | | | | | | | 81.7 a-d | 100.0 a | 100.0 a | 90.0 c | 100.0 a |
| 3 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | | |
| 3 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | | | |
| 3 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | | |
| 3 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | | |
| 3 Caparol | 4 L | | 1 LB | A/A | LAYBY | H | | | | | |
| 3 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | | |
| 3 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | | |
| 4 Roundup Ready Cotton | | | | | | | 61.7 def | 100.0 a | 100.0 a | 96.7 abc | 100.0 a |
| 4 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | | |
| 4 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | | |
| 4 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | | |
| 4 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | | | |
| 4 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | | |
| 4 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | | |
| 4 Caparol | 4 L | | 1 LB | A/A | LAYBY | H | | | | | |
| 4 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | | |
| 4 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | | |
| 5 Roundup Ready Cotton | | | | | | | 75.0 a-d | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 5 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | | |
| 5 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | | |
| 5 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | | | |
| 5 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | | |
| 5 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | | |
| 5 Valor | 51 WDG | | 0.063 LB | A/A | LAYBY | H | | | | | |
| 5 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | | |
| 5 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | | |
| 6 Roundup Ready Cotton | | | | | | | 71.7 bed | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 6 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | | |
| 6 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | | |
| 6 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | | |
| 6 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | | | |
| 6 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | | |
| 6 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | | |
| 6 Valor | 51 WDG | | 0.063 LB | A/A | LAYBY | H | | | | | |
| 6 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | | |
| 6 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | | |
| 7 Roundup Ready Cotton | | | | | | | 93.3 ab | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 7 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | | |
| 7 Cotoran | 4 L | | 1 LB | A/A | PRE | A | | | | | |
| 7 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | | |
| 7 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | | |
| 7 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | LPO | G | | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A | LPO | G | | | | | |
| 8 Roundup Ready Cotton | | | | | | | 73.3 a-d | 100.0 a | 100.0 a | 100.0 a | 99.7 a |
| 8 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | | |
| 8 Cotoran | 4 L | | 1 LB | A/A | PRE | A | | | | | |
| 8 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | | |
| 8 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | | |
| 8 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | | |
| 8 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | | |
| 8 Caparol | 4 L | | 1 LB | A/A | LAYBY | H | | | | | |
| 8 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | | |
| 8 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | | |
| 9 Roundup Ready Cotton | | | | | | | 86.7 a-d | 100.0 a | 100.0 a | 98.3 ab | 96.7 a |
| 9 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | | |
| 9 Cotoran | 4 L | | 1 LB | A/A | PRE | A | | | | | |
| 9 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | | |
| 9 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | | |
| 9 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | | |
| 9 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | | |
| 9 Valor | 51 WDG | | 0.063 LB | A/A | LAYBY | H | | | | | |
| 9 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | | |
| 9 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | CYPES | DIGSA | ELEIN | AMBEL | CHEAL | | |
|-------------------------|-----------|-----------|-------|----------|------------------|------------------|-------------|-------------|---------------|----------|---------|
| Pest Name | | | | | Nutsedge, yellow | Crabgrass, large | Goosegrass | Ragweed | Lambsquarters | | |
| Part Rated | | | | | WEED | WEED | WEED | WEED | WEED | | |
| Rating Data Type | | | | | CONTROL | CONTROL | CONTROL | CONTROL | CONTROL | | |
| Rating Unit | | | | | % | % | % | % | % | | |
| Rating Date | | | | | 05-Jul-2005 | 05-Jul-2005 | 05-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 | | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | | | | | |
| 10 Roundup Ready Cotton | | | | | | | 96.7 ab | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 10 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 10 Cotoran | | L | | 1 LB A/A | PRE | A | | | | | |
| 10 Staple | 85 | SP | 0.032 | LB A/A | EPO | D | | | | | |
| 10 Induce | | L | 0.25 | % V/V | EPO | D | | | | | |
| 10 Cotoran | | L | | 1 LB A/A | PD 6-8" | C E | | | | | |
| 10 MSMA | 6.6 | EC | | 2 LB A/A | PD 6-8" | C E | | | | | |
| 10 Induce | | L | 0.25 | % V/V | PD 6-8" | C E | | | | | |
| 10 Caparol | | L | | 1 LB A/A | LAYBY | H | | | | | |
| 10 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| 10 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 10 Weed-Free | | | | | ASN | | | | | | |
| 11 Roundup Ready Cotton | | | | | | | 0.0 g | 0.0 c | 0.0 c | 0.0 d | 0.0 c |
| 11 Untreated Check | | | | | | | | | | | |
| 12 Roundup Ready Cotton | | | | | | | 63.3 cde | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 12 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | | | | |
| 12 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 12 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| 12 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | | | | |
| 12 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 12 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | | | | |
| 12 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | | |
| 12 Caparol | | L | | 1 LB A/A | LAYBY | H | | | | | |
| 13 Roundup Ready Cotton | | | | | | | 71.7 bcd | 100.0 a | 100.0 a | 93.3 abc | 100.0 a |
| 13 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 13 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | | | | |
| 13 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 13 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| 13 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | | | | |
| 13 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 13 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | | | | |
| 13 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | | |
| 13 Caparol | | L | | 1 LB A/A | LAYBY | H | | | | | |
| 14 Roundup Ready Cotton | | | | | | | 73.3 a-d | 100.0 a | 100.0 a | 98.3 ab | 100.0 a |
| 14 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | | | | |
| 14 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 14 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| 14 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | | | | |
| 14 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 14 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | | | | |
| 14 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | | |
| 14 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 14 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 15 Roundup Ready Cotton | | | | | | | 71.7 bcd | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 15 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 15 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | | | | |
| 15 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 15 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| 15 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | | | | |
| 15 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 15 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | | | | |
| 15 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | | | | |
| 15 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 15 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 16 Liberty Link Cotton | | | | | | | 43.3 ef | 100.0 a | 51.7 b | 91.7 bc | 83.3 b |
| 16 Ignite | 1.67 | EC | 0.42 | LB A/A | 1-2 LF | B | | | | | |
| 16 AMS | 3.4 | L | | 3 LB A/A | 1-2 LF | B | | | | | |
| 17 Liberty Link Cotton | | | | | | | 35.0 f | 91.7 a | 70.0 b | 100.0 a | 91.7 ab |
| 17 Ignite | 1.67 | EC | 0.42 | LB A/A | 3-4 LF | C | | | | | |
| 17 AMS | 3.4 | L | | 3 LB A/A | 3-4 LF | C | | | | | |
| 18 Liberty Link Cotton | | | | | | | 85.0 a-d | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 18 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 18 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| 18 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 18 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 18 Caparol | | L | | 1 LB A/A | LAYBY | H | | | | | |
| 18 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| 18 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 19 Liberty Link Cotton | | | | | | | 86.7 a-d | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 19 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | | | | |
| 19 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 19 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | | | | |
| 19 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | | | | |
| 19 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 19 AMS | 3.4 | L | | 3 LB A/A | POST | F | | | | | |
| 19 Caparol | | L | | 1 LB A/A | LAYBY | H | | | | | |
| 19 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | | | | |
| 19 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | CYPES | DIGSA | ELEIN | AMBEL | CHEAL |
|------------------------|-----------|-----------|--------------|--------------|-----------|------------------|------------------|-------------|-------------|---------------|
| Pest Name | | | | | | Nutsedge, yellow | Crabgrass, large | Goosegrass | Ragweed | Lambsquarters |
| Part Rated | | | | | | WEED | WEED | WEED | WEED | WEED |
| Rating Data Type | | | | | | CONTROL | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | | | | | | % | % | % | % | % |
| Rating Date | | | | | | 05-Jul-2005 | 05-Jul-2005 | 05-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 |
| Trt Treatment No. Name | Form Conc | Form Type | Rate | Growth Stage | Appl Code | | | | | |
| 20 Liberty Link Cotton | | | | | | 93.3 ab | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 20 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 20 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 20 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 20 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 20 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 20 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 20 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 20 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 21 Liberty Link Cotton | | | | | | 95.0 ab | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 21 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 21 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 21 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 21 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 21 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 21 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 21 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 21 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 21 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 22 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 22 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 22 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 22 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 22 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 22 Ignite | 1.67 | EC | 0.75 LB A/A | LPO | G | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | LPO | G | | | | | |
| 23 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 23 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 23 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 23 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 23 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 23 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 23 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 23 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 23 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 23 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 24 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 24 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 24 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 24 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 24 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 24 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 24 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 24 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 24 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 24 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 25 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 25 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 25 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 25 Staple | 85 | SP | 0.032 LB A/A | EPO | D | | | | | |
| 25 Induce | | L | 0.25 % V/V | EPO | D | | | | | |
| 25 Cotoran | 4 | L | 1 LB A/A | PD 6-8" | C E | | | | | |
| 25 MSMA | 6.6 | EC | 2 LB A/A | PD 6-8" | C E | | | | | |
| 25 Induce | | L | 0.25 % V/V | PD 6-8" | C E | | | | | |
| 25 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 25 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 25 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 25 Weed-Free | | | | ASN | | | | | | |
| 26 Liberty Link Cotton | | | | | | 0.0 g | 0.0 c | 0.0 c | 0.0 d | 0.0 c |
| 26 Untreated Check | | | | | | | | | | |
| 27 Liberty Link Cotton | | | | | | 96.7 ab | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 27 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | LAYBY | H | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | | |
| 27 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 28 Liberty Link Cotton | | | | | | 90.0 abc | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 28 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 28 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | LAYBY | H | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | | |
| 28 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | CYPES | DIGSA | ELEIN | AMBEL | CHEAL | | | |
|------------------------|-----------|-----------|------------------|------------------|-------------|-------------|---------------|---------|---------|---------|
| Pest Name | | | Nutsedge, yellow | Crabgrass, large | Goosegrass | Ragweed | Lambsquarters | | | |
| Part Rated | | | WEED | WEED | WEED | WEED | WEED | | | |
| Rating Data Type | | | CONTROL | CONTROL | CONTROL | CONTROL | CONTROL | | | |
| Rating Unit | | | % | % | % | % | % | | | |
| Rating Date | | | 05-Jul-2005 | 05-Jul-2005 | 05-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 | | | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Rate | Growth Stage | Appl Code | | | | | |
| 29 Liberty Link Cotton | | | | | | 91.7 ab | 100.0 a | 100.0 a | 100.0 a | 99.7 a |
| 29 Ignite | 1.67 | EC | 0.42 LB | A/A | EPO | D | | | | |
| 29 AMS | 3.4 | L | 3 LB | A/A | EPO | D | | | | |
| 29 Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | D | | | | |
| 29 Ignite | 1.67 | EC | 0.42 LB | A/A | POST | F | | | | |
| 29 AMS | 3.4 | L | 3 LB | A/A | POST | F | | | | |
| 29 Ignite | 1.67 | EC | 0.42 LB | A/A | LAYBY | H | | | | |
| 29 AMS | 3.4 | L | 3 LB | A/A | LAYBY | H | | | | |
| 29 Valor | 54 | WDG | 0.063 LB | A/A | LAYBY | H | | | | |
| 29 Induce | | L | 0.25 % | V/V | LAYBY | H | | | | |
| 30 Liberty Link Cotton | | | | | | 91.7 ab | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 30 Prowl | 3.3 | EC | 1 LB | A/A | PRE | A | | | | |
| 30 Ignite | 1.67 | EC | 0.42 LB | A/A | EPO | D | | | | |
| 30 AMS | 3.4 | L | 3 LB | A/A | EPO | D | | | | |
| 30 Dual Magnum | 7.62 | EC | 1 LB | A/A | EPO | D | | | | |
| 30 Ignite | 1.67 | EC | 0.42 LB | A/A | POST | F | | | | |
| 30 AMS | 3.4 | L | 3 LB | A/A | POST | F | | | | |
| 30 Ignite | 1.67 | EC | 0.42 LB | A/A | LAYBY | H | | | | |
| 30 AMS | 3.4 | L | 3 LB | A/A | LAYBY | H | | | | |
| 30 Valor | 54 | WDG | 0.063 LB | A/A | LAYBY | H | | | | |
| 30 Induce | | L | 0.25 % | V/V | LAYBY | H | | | | |
| LSD (P=.05) | | | | | | 26.90 | 17.85 | 27.82 | 7.32 | 9.14 |
| Standard Deviation | | | | | | 16.47 | 10.93 | 17.04 | 4.48 | 5.60 |
| CV | | | | | | 22.81 | 12.07 | 19.62 | 4.88 | 6.11 |
| Grand Mean | | | | | | 72.22 | 90.56 | 86.83 | 91.89 | 91.53 |

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean separations are based on the complete error term.
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | DIGSA | CYPES | MOLVE | IPOSS | |
|------------------------|---------|------|----------|-------------|------|------------------|------------------|-------------|---------------|-------------|
| Pest Name | | | | | | Crabgrass, large | Nutsedge, yellow | Carpetweed | Morning glory | |
| Part Rated | | | | | | WEED | WEED | WEED | WEED | CROP |
| Rating Data Type | | | | | | CONTROL | CONTROL | CONTROL | CONTROL | INJURY |
| Rating Unit | | | | | | % | % | % | % | % |
| Rating Date | | | | | | 14-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 |
| Trt Treatment | Form | Form | Rate | Growth | Appl | | | | | |
| No. Name | Conc | Type | Rate | Stage | Code | | | | | |
| 1 Roundup Ready Cotton | | | | | | 50.0 c | 33.3 ef | 0.0 c | 100.0 a | 0.0 c |
| 1 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A 1-2 LF | B | | | | | |
| 1 AMS | 3.4 L | | 3 LB | A/A 1-2 LF | B | | | | | |
| 2 Roundup Ready Cotton | | | | | | 80.0 b | 66.7 a-e | 60.0 b | 100.0 a | 0.0 c |
| 2 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A 3-4 LF | C | | | | | |
| 2 AMS | 3.4 L | | 3 LB | A/A 3-4 LF | C | | | | | |
| 3 Roundup Ready Cotton | | | | | | 100.0 a | 78.3 a-d | 98.0 a | 95.0 ab | 1.7 bc |
| 3 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | | |
| 3 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | | | |
| 3 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | | |
| 3 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | | |
| 3 Caparol | 4 L | | 1 LB | A/A LAYBY | H | | | | | |
| 3 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | | |
| 3 Induce | L | | 0.25 % | V/V LAYBY | H | | | | | |
| 4 Roundup Ready Cotton | | | | | | 100.0 a | 63.3 a-e | 100.0 a | 100.0 a | 0.0 c |
| 4 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | | |
| 4 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | | |
| 4 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | | |
| 4 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | | | |
| 4 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | | |
| 4 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | | |
| 4 Caparol | 4 L | | 1 LB | A/A LAYBY | H | | | | | |
| 4 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | | |
| 4 Induce | L | | 0.25 % | V/V LAYBY | H | | | | | |
| 5 Roundup Ready Cotton | | | | | | 100.0 a | 70.0 a-e | 96.7 a | 83.3 b | 0.0 c |
| 5 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | | |
| 5 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | | |
| 5 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | | | |
| 5 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | | |
| 5 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | | |
| 5 Valor | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | | | |
| 5 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | | |
| 5 Induce | L | | 0.25 % | V/V LAYBY | H | | | | | |
| 6 Roundup Ready Cotton | | | | | | 100.0 a | 63.3 a-e | 100.0 a | 86.7 ab | 0.0 c |
| 6 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | | |
| 6 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | | |
| 6 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | | |
| 6 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | | | |
| 6 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | | |
| 6 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | | |
| 6 Valor | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | | | |
| 6 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | | |
| 6 Induce | L | | 0.25 % | V/V LAYBY | H | | | | | |
| 7 Roundup Ready Cotton | | | | | | 100.0 a | 88.3 a-d | 99.7 a | 100.0 a | 1.7 bc |
| 7 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | | |
| 7 Cotoran | 4 L | | 1 LB | A/A PRE | A | | | | | |
| 7 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | | |
| 7 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | | |
| 7 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A LPO | G | | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A LPO | G | | | | | |
| 8 Roundup Ready Cotton | | | | | | 100.0 a | 58.3 a-e | 98.0 a | 96.7 ab | 3.3 b |
| 8 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | | |
| 8 Cotoran | 4 L | | 1 LB | A/A PRE | A | | | | | |
| 8 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | | |
| 8 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | | |
| 8 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | | |
| 8 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | | |
| 8 Caparol | 4 L | | 1 LB | A/A LAYBY | H | | | | | |
| 8 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | | |
| 8 Induce | L | | 0.25 % | V/V LAYBY | H | | | | | |
| 9 Roundup Ready Cotton | | | | | | 90.0 ab | 91.7 ab | 96.7 a | 90.0 ab | 1.7 bc |
| 9 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | | | |
| 9 Cotoran | 4 L | | 1 LB | A/A PRE | A | | | | | |
| 9 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | | | |
| 9 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | | | |
| 9 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | | | |
| 9 AMS | 3.4 L | | 3 LB | A/A POST | F | | | | | |
| 9 Valor | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | | | |
| 9 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | | | |
| 9 Induce | L | | 0.25 % | V/V LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | DIGSA | CYPES | MOLVE | IPOSS | | |
|-------------------------|---------|------|--------------|---------|-------------|-----------------|-------------|-------------|---------------|-------------|
| Pest Name | | | | | Crabgrass, | large Nutsedge, | yellow | Crabgrass | Morning glory | |
| Part Rated | | | | | WEED | WEED | WEED | WEED | WEED | CROP |
| Rating Data Type | | | | | CONTROL | CONTROL | CONTROL | CONTROL | CONTROL | INJURY |
| Rating Unit | | | | | % | % | % | % | % | % |
| Rating Date | | | | | 14-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 |
| Trt Treatment | Form | Form | Rate | Growth | Appl | | | | | |
| No. Name | Conc | Type | Unit | Stage | Code | | | | | |
| 10 Roundup Ready Cotton | | | | | | 100.0 a | 50.0 cde | 100.0 a | 100.0 a | 0.0 c |
| 10 Prowl | 3.3 EC | | 1 LB A/A | PRE | A | | | | | |
| 10 Cotoran | 4 L | | 1 LB A/A | PRE | A | | | | | |
| 10 Staple | 85 SP | | 0.032 LB A/A | EPO | D | | | | | |
| 10 Induce | L | | 0.25 % V/V | EPO | D | | | | | |
| 10 Cotoran | 4 L | | 1 LB A/A | PD 6-8" | C E | | | | | |
| 10 MSMA | 6.6 EC | | 2 LB A/A | PD 6-8" | C E | | | | | |
| 10 Induce | L | | 0.25 % V/V | PD 6-8" | C E | | | | | |
| 10 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 10 MSMA | 6.6 EC | | 2 LB A/A | LAYBY | H | | | | | |
| 10 Induce | L | | 0.25 % V/V | LAYBY | H | | | | | |
| 10 Weed-Free | | | | ASN | | | | | | |
| 11 Roundup Ready Cotton | | | | | | 0.0 d | 0.0 f | 0.0 c | 0.0 c | 25.0 a |
| 11 Untreated Check | | | | | | | | | | |
| 12 Roundup Ready Cotton | | | | | | 100.0 a | 75.0 a-d | 98.3 a | 95.0 ab | 0.0 c |
| 12 Roundup WeatherMax | 4.5 SL | | 0.75 LB AE/A | EPO | D | | | | | |
| 12 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 12 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 12 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | POST | F | | | | | |
| 12 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 12 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | LAYBY | H | | | | | |
| 12 AMS | 3.4 L | | 3 LB A/A | LAYBY | H | | | | | |
| 12 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 13 Roundup Ready Cotton | | | | | | 100.0 a | 78.3 a-d | 100.0 a | 100.0 a | 0.0 c |
| 13 Prowl | 3.3 EC | | 1 LB A/A | PRE | A | | | | | |
| 13 Roundup WeatherMax | 4.5 SL | | 0.75 LB AE/A | EPO | D | | | | | |
| 13 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 13 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 13 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | POST | F | | | | | |
| 13 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 13 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | LAYBY | H | | | | | |
| 13 AMS | 3.4 L | | 3 LB A/A | LAYBY | H | | | | | |
| 13 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 14 Roundup Ready Cotton | | | | | | 100.0 a | 83.3 a-d | 99.7 a | 95.0 ab | 1.7 bc |
| 14 Roundup WeatherMax | 4.5 SL | | 0.75 LB AE/A | EPO | D | | | | | |
| 14 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 14 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 14 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | POST | F | | | | | |
| 14 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 14 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | LAYBY | H | | | | | |
| 14 AMS | 3.4 L | | 3 LB A/A | LAYBY | H | | | | | |
| 14 Valor | 54 WDG | | 0.063 LB A/A | LAYBY | H | | | | | |
| 14 Induce | L | | 0.25 % V/V | LAYBY | H | | | | | |
| 15 Roundup Ready Cotton | | | | | | 100.0 a | 78.3 a-d | 98.3 a | 91.7 ab | 1.7 bc |
| 15 Prowl | 3.3 EC | | 1 LB A/A | PRE | A | | | | | |
| 15 Roundup WeatherMax | 4.5 SL | | 0.75 LB AE/A | EPO | D | | | | | |
| 15 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 15 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 15 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | POST | F | | | | | |
| 15 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 15 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | LAYBY | H | | | | | |
| 15 AMS | 3.4 L | | 3 LB A/A | LAYBY | H | | | | | |
| 15 Valor | 54 WDG | | 0.063 LB A/A | LAYBY | H | | | | | |
| 15 Induce | L | | 0.25 % V/V | LAYBY | H | | | | | |
| 16 Liberty Link Cotton | | | | | | 100.0 a | 48.3 de | 0.0 c | 95.0 ab | 0.0 c |
| 16 Ignite | 1.67 EC | | 0.42 LB A/A | 1-2 LF | B | | | | | |
| 16 AMS | 3.4 L | | 3 LB A/A | 1-2 LF | B | | | | | |
| 17 Liberty Link Cotton | | | | | | 100.0 a | 48.3 de | 0.0 c | 91.7 ab | 0.0 c |
| 17 Ignite | 1.67 EC | | 0.42 LB A/A | 3-4 LF | C | | | | | |
| 17 AMS | 3.4 L | | 3 LB A/A | 3-4 LF | C | | | | | |
| 18 Liberty Link Cotton | | | | | | 100.0 a | 75.0 a-d | 100.0 a | 83.3 b | 0.0 c |
| 18 Ignite | 1.67 EC | | 0.42 LB A/A | EPO | D | | | | | |
| 18 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 18 Ignite | 1.67 EC | | 0.42 LB A/A | POST | F | | | | | |
| 18 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 18 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 18 MSMA | 6.6 EC | | 2 LB A/A | LAYBY | H | | | | | |
| 18 Induce | L | | 0.25 % V/V | LAYBY | H | | | | | |
| 19 Liberty Link Cotton | | | | | | 100.0 a | 56.7 b-e | 99.7 a | 95.0 ab | 0.0 c |
| 19 Prowl | 3.3 EC | | 1 LB A/A | PRE | A | | | | | |
| 19 Ignite | 1.67 EC | | 0.42 LB A/A | EPO | D | | | | | |
| 19 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 19 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 19 Ignite | 1.67 EC | | 0.42 LB A/A | POST | F | | | | | |
| 19 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 19 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 19 MSMA | 6.6 EC | | 2 LB A/A | LAYBY | H | | | | | |
| 19 Induce | L | | 0.25 % V/V | LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | DIGSA | CYPES | MOLVE | IPOSS | | |
|------------------------|------|------|--------------|---------|------------------|------------------|-------------|---------------|-------------|--------|
| Pest Name | | | | | Crabgrass, large | Nutsedge, yellow | Carpetweed | Morning glory | | |
| Part Rated | | | | | WEED | WEED | WEED | WEED | CROP | |
| Rating Data Type | | | | | CONTROL | CONTROL | CONTROL | CONTROL | INJURY | |
| Rating Unit | | | | | % | % | % | % | % | |
| Rating Date | | | | | 14-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 | |
| Trt Treatment | Form | Form | Rate | Growth | Appl | | | | | |
| No. Name | Conc | Type | Unit | Stage | Code | | | | | |
| 20 Liberty Link Cotton | | | | | | 100.0 a | 81.7 a-d | 93.0 a | 96.7 ab | 0.0 c |
| 20 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 20 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 20 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 20 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 20 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 20 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 20 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 20 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 21 Liberty Link Cotton | | | | | | 100.0 a | 78.3 a-d | 96.7 a | 95.0 ab | 0.0 c |
| 21 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 21 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 21 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 21 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 21 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 21 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 21 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 21 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 21 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 22 Liberty Link Cotton | | | | | | 100.0 a | 91.7 ab | 100.0 a | 100.0 a | 1.7 bc |
| 22 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 22 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 22 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 22 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 22 Ignite | 1.67 | EC | 0.75 LB A/A | LPO | G | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | LPO | G | | | | | |
| 23 Liberty Link Cotton | | | | | | 100.0 a | 75.0 a-d | 100.0 a | 86.7 ab | 0.0 c |
| 23 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 23 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 23 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 23 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 23 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 23 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 23 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 23 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 23 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 24 Liberty Link Cotton | | | | | | 100.0 a | 83.3 a-d | 100.0 a | 95.0 ab | 0.0 c |
| 24 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 24 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 24 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 24 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 24 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 24 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 24 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 24 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 24 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 25 Liberty Link Cotton | | | | | | 100.0 a | 98.3 a | 100.0 a | 100.0 a | 0.0 c |
| 25 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 25 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 25 Staple | 85 | SP | 0.032 LB A/A | EPO | D | | | | | |
| 25 Induce | | L | 0.25 % V/V | EPO | D | | | | | |
| 25 Cotoran | 4 | L | 1 LB A/A | PD 6-8" | C E | | | | | |
| 25 MSMA | 6.6 | EC | 2 LB A/A | PD 6-8" | C E | | | | | |
| 25 Induce | | L | 0.25 % V/V | PD 6-8" | C E | | | | | |
| 25 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 25 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 25 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 25 Weed-Free | | | | ASN | | | | | | |
| 26 Liberty Link Cotton | | | | | | 0.0 d | 0.0 f | 0.0 c | 0.0 c | 25.0 a |
| 26 Untreated Check | | | | | | | | | | |
| 27 Liberty Link Cotton | | | | | | 100.0 a | 90.0 abc | 99.3 a | 91.7 ab | 0.0 c |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 27 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | LAYBY | H | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | | |
| 27 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 28 Liberty Link Cotton | | | | | | 100.0 a | 80.0 a-d | 99.7 a | 96.7 ab | 0.0 c |
| 28 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 28 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | LAYBY | H | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | | |
| 28 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | DIGSA | CYPES | MOLVE | IPOSS | | | | | |
|------------------------|-----------|-----------|------------------|------------------|--------------|---------------|-------------|----------|---------|---------|-------|
| Pest Name | | | Crabgrass, large | Nutsedge, yellow | Carpetweed | Morning glory | | | | | |
| Part Rated | | | WEED | WEED | WEED | WEED | CROP | | | | |
| Rating Data Type | | | CONTROL | CONTROL | CONTROL | CONTROL | INJURY | | | | |
| Rating Unit | | | % | % | % | % | % | | | | |
| Rating Date | | | 14-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 | 14-Jul-2005 | | | | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Rate | Unit | Growth Stage | Appl Code | | | | | |
| 29 Liberty Link Cotton | | | | | | | 100.0 a | 75.0 a-d | 98.3 a | 91.7 ab | 0.0 c |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | | |
| 29 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | | |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | | |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H | | | | | |
| 29 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 29 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 30 Liberty Link Cotton | | | | | | | 100.0 a | 83.3 a-d | 100.0 a | 100.0 a | 0.0 c |
| 30 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | | |
| 30 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H | | | | | |
| 30 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| 30 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| LSD (P=.05) | | | | | | | 16.52 | 40.04 | 15.87 | 13.47 | 2.33 |
| Standard Deviation | | | | | | | 10.12 | 24.52 | 9.72 | 8.25 | 1.43 |
| CV | | | | | | | 11.16 | 36.0 | 11.99 | 9.33 | 67.72 |
| Grand Mean | | | | | | | 90.67 | 68.11 | 81.07 | 88.39 | 2.11 |

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

Mean separations are based on the complete error term.

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

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | Pest Name | Part Rated | Rating Data Type | Rating Unit | Rating Date | AMBEL Ragweed | CHEAL Lambsquarters | IPOSS Morning glory | MOLVE Carpetweed | | |
|------------------------|-----------|------------|------------------|-------------|--------------|------------------|------------------------|------------------------|---------------------|---------|---------|
| | | | | | | WEED | WEED | WEED | WEED | | |
| | | | | | | CONTROL | CONTROL | CONTROL | CONTROL | | |
| | | | | | | % | % | % | % | | |
| | | | | | | 25-Jul-2005 | 25-Jul-2005 | 25-Jul-2005 | 25-Jul-2005 | | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate | Rate Unit | Growth Stage | Appl Code | | | | | |
| 1 Roundup Ready Cotton | | | | | | | 1.7 hi | 100.0 a | 88.3 c | 100.0 a | 43.3 c |
| 1 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A 1-2 LF | B | | | | | |
| 1 AMS | 3.4 | L | 3 | LB | A/A 1-2 LF | B | | | | | |
| 2 Roundup Ready Cotton | | | | | | | 1.7 hi | 100.0 a | 95.0 ab | 100.0 a | 31.7 c |
| 2 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A 3-4 LF | C | | | | | |
| 2 AMS | 3.4 | L | 3 | LB | A/A 3-4 LF | C | | | | | |
| 3 Roundup Ready Cotton | | | | | | | 8.3 f-i | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 3 Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 3 Dual Magnum | 7.62 | EC | 1 | LB | A/A EPO | D | | | | | |
| 3 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 3 AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 3 Caparol | 4 | L | 1 | LB | A/A LAYBY | H | | | | | |
| 3 MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 3 Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 4 Roundup Ready Cotton | | | | | | | 10.0 e-i | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 4 Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 4 Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 4 AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 4 Dual Magnum | 7.62 | EC | 1 | LB | A/A EPO | D | | | | | |
| 4 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 4 AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 4 Caparol | 4 | L | 1 | LB | A/A LAYBY | H | | | | | |
| 4 MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 4 Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 5 Roundup Ready Cotton | | | | | | | 20.0 b-e | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 5 Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 5 AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 5 Dual Magnum | 7.62 | EC | 1 | LB | A/A EPO | D | | | | | |
| 5 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 5 AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 5 Valor | 51 | WDG | 0.063 | LB | A/A LAYBY | H | | | | | |
| 5 MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 5 Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 6 Roundup Ready Cotton | | | | | | | 30.0 ab | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 6 Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 6 Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 6 AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 6 Dual Magnum | 7.62 | EC | 1 | LB | A/A EPO | D | | | | | |
| 6 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 6 AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 6 Valor | 51 | WDG | 0.063 | LB | A/A LAYBY | H | | | | | |
| 6 MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 6 Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 7 Roundup Ready Cotton | | | | | | | 0.0 i | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 7 Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 7 Cotoran | 4 | L | 1 | LB | A/A PRE | A | | | | | |
| 7 Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 7 AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 7 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 7 AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 7 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A LPO | G | | | | | |
| 7 AMS | 3.4 | L | 3 | LB | A/A LPO | G | | | | | |
| 8 Roundup Ready Cotton | | | | | | | 6.7 ghi | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 8 Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 8 Cotoran | 4 | L | 1 | LB | A/A PRE | A | | | | | |
| 8 Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 8 AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 8 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 8 AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 8 Caparol | 4 | L | 1 | LB | A/A LAYBY | H | | | | | |
| 8 MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 8 Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |
| 9 Roundup Ready Cotton | | | | | | | 25.0 abc | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 9 Prowl | 3.3 | EC | 1 | LB | A/A PRE | A | | | | | |
| 9 Cotoran | 4 | L | 1 | LB | A/A PRE | A | | | | | |
| 9 Roundup WeatherMax | 4.5 | SL | 0.75 | LB | AE/A EPO | D | | | | | |
| 9 AMS | 3.4 | L | 3 | LB | A/A EPO | D | | | | | |
| 9 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB | AE/A POST | F | | | | | |
| 9 AMS | 3.4 | L | 3 | LB | A/A POST | F | | | | | |
| 9 Valor | 51 | WDG | 0.063 | LB | A/A LAYBY | H | | | | | |
| 9 MSMA | 6.6 | EC | 2 | LB | A/A LAYBY | H | | | | | |
| 9 Induce | | L | 0.25 | % | V/V LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | AMBEL | CHEAL | IPOSS | MOLVE | |
|-------------------------|-----------|-----------|--------------|--------------|-----------|---------------|---------------|---------------|-------------|---------|
| Pest Name | | | | | | Ragweed | Lambsquarters | Morning glory | Carpetweed | |
| Part Rated | | | | | | WEED | WEED | WEED | WEED | |
| Rating Data Type | | | | | | CROP INJURY % | CONTROL % | CONTROL % | CONTROL % | |
| Rating Unit | | | | | | % | % | % | % | |
| Rating Date | | | | | | 25-Jul-2005 | 25-Jul-2005 | 25-Jul-2005 | 25-Jul-2005 | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Unit | Growth Stage | Appl Code | | | | | |
| 10 Roundup Ready Cotton | | | | | | 8.3 f-i | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 10 Prowl | 3.3 EC | | 1 LB A/A | PRE | A | | | | | |
| 10 Cotoran | 4 L | | 1 LB A/A | PRE | A | | | | | |
| 10 Staple | 85 SP | | 0.032 LB A/A | EPO | D | | | | | |
| 10 Induce | L | | 0.25 % V/V | EPO | D | | | | | |
| 10 Cotoran | 4 L | | 1 LB A/A | PD 6-8" | C E | | | | | |
| 10 MSMA | 6.6 EC | | 2 LB A/A | PD 6-8" | C E | | | | | |
| 10 Induce | L | | 0.25 % V/V | PD 6-8" | C E | | | | | |
| 10 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 10 MSMA | 6.6 EC | | 2 LB A/A | LAYBY | H | | | | | |
| 10 Induce | L | | 0.25 % V/V | LAYBY | H | | | | | |
| 10 Weed-Free | | | | ASN | | | | | | |
| 11 Roundup Ready Cotton | | | | | | 0.0 i | 0.0 c | 0.0 d | 0.0 c | 0.0 d |
| 11 Untreated Check | | | | | | | | | | |
| 12 Roundup Ready Cotton | | | | | | 8.3 f-i | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 12 Roundup WeatherMax | 4.5 SL | | 0.75 LB AE/A | EPO | D | | | | | |
| 12 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 12 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 12 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | POST | F | | | | | |
| 12 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 12 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | LAYBY | H | | | | | |
| 12 AMS | 3.4 L | | 3 LB A/A | LAYBY | H | | | | | |
| 12 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 13 Roundup Ready Cotton | | | | | | 8.3 f-i | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 13 Prowl | 3.3 EC | | 1 LB A/A | PRE | A | | | | | |
| 13 Roundup WeatherMax | 4.5 SL | | 0.75 LB AE/A | EPO | D | | | | | |
| 13 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 13 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 13 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | POST | F | | | | | |
| 13 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 13 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | LAYBY | H | | | | | |
| 13 AMS | 3.4 L | | 3 LB A/A | LAYBY | H | | | | | |
| 13 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 14 Roundup Ready Cotton | | | | | | 31.7 a | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 14 Roundup WeatherMax | 4.5 SL | | 0.75 LB AE/A | EPO | D | | | | | |
| 14 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 14 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 14 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | POST | F | | | | | |
| 14 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 14 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | LAYBY | H | | | | | |
| 14 AMS | 3.4 L | | 3 LB A/A | LAYBY | H | | | | | |
| 14 Valor | 54 WDG | | 0.063 LB A/A | LAYBY | H | | | | | |
| 14 Induce | L | | 0.25 % V/V | LAYBY | H | | | | | |
| 15 Roundup Ready Cotton | | | | | | 23.3 abc | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 15 Prowl | 3.3 EC | | 1 LB A/A | PRE | A | | | | | |
| 15 Roundup WeatherMax | 4.5 SL | | 0.75 LB AE/A | EPO | D | | | | | |
| 15 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 15 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 15 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | POST | F | | | | | |
| 15 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 15 Roundup WeatherMAX | 4.5 SL | | 0.75 LB AE/A | LAYBY | H | | | | | |
| 15 AMS | 3.4 L | | 3 LB A/A | LAYBY | H | | | | | |
| 15 Valor | 54 WDG | | 0.063 LB A/A | LAYBY | H | | | | | |
| 15 Induce | L | | 0.25 % V/V | LAYBY | H | | | | | |
| 16 Liberty Link Cotton | | | | | | 0.0 i | 95.0 b | 91.7 bc | 93.3 a | 28.3 c |
| 16 Ignite | 1.67 EC | | 0.42 LB A/A | 1-2 LF | B | | | | | |
| 16 AMS | 3.4 L | | 3 LB A/A | 1-2 LF | B | | | | | |
| 17 Liberty Link Cotton | | | | | | 0.7 hi | 100.0 a | 90.0 bc | 78.3 b | 35.0 c |
| 17 Ignite | 1.67 EC | | 0.42 LB A/A | 3-4 LF | C | | | | | |
| 17 AMS | 3.4 L | | 3 LB A/A | 3-4 LF | C | | | | | |
| 18 Liberty Link Cotton | | | | | | 8.3 f-i | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 18 Ignite | 1.67 EC | | 0.42 LB A/A | EPO | D | | | | | |
| 18 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 18 Ignite | 1.67 EC | | 0.42 LB A/A | POST | F | | | | | |
| 18 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 18 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 18 MSMA | 6.6 EC | | 2 LB A/A | LAYBY | H | | | | | |
| 18 Induce | L | | 0.25 % V/V | LAYBY | H | | | | | |
| 19 Liberty Link Cotton | | | | | | 5.7 ghi | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 19 Prowl | 3.3 EC | | 1 LB A/A | PRE | A | | | | | |
| 19 Ignite | 1.67 EC | | 0.42 LB A/A | EPO | D | | | | | |
| 19 AMS | 3.4 L | | 3 LB A/A | EPO | D | | | | | |
| 19 Dual Magnum | 7.62 EC | | 1 LB A/A | EPO | D | | | | | |
| 19 Ignite | 1.67 EC | | 0.42 LB A/A | POST | F | | | | | |
| 19 AMS | 3.4 L | | 3 LB A/A | POST | F | | | | | |
| 19 Caparol | 4 L | | 1 LB A/A | LAYBY | H | | | | | |
| 19 MSMA | 6.6 EC | | 2 LB A/A | LAYBY | H | | | | | |
| 19 Induce | L | | 0.25 % V/V | LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | AMBEL | CHEAL | IPOSS | MOLVE | |
|------------------------|-----------|-----------|--------------|--------------|-----------|---------------|---------------|---------------|-------------|---------|
| Pest Name | | | | | | Ragweed | Lambsquarters | Morning glory | Carpetweed | |
| Part Rated | | | | | | WEED | WEED | WEED | WEED | |
| Rating Data Type | | | | | | CROP INJURY % | CONTROL % | CONTROL % | CONTROL % | |
| Rating Unit | | | | | | % | % | % | % | |
| Rating Date | | | | | | 25-Jul-2005 | 25-Jul-2005 | 25-Jul-2005 | 25-Jul-2005 | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Unit | Growth Stage | Appl Code | | | | | |
| 20 Liberty Link Cotton | | | | | | 15.0 c-g | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 20 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 20 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 20 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 20 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 20 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 20 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 20 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 20 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 21 Liberty Link Cotton | | | | | | 18.3 c-f | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 21 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 21 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 21 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 21 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 21 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 21 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 21 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 21 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 21 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 22 Liberty Link Cotton | | | | | | 0.0 i | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 22 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 22 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 22 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 22 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 22 Ignite | 1.67 | EC | 0.75 LB A/A | LPO | G | | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | LPO | G | | | | | |
| 23 Liberty Link Cotton | | | | | | 8.3 f-i | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 23 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 23 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 23 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 23 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 23 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 23 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 23 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 23 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 23 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 24 Liberty Link Cotton | | | | | | 18.3 c-f | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 24 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 24 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 24 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 24 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 24 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 24 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 24 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | | |
| 24 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 24 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 25 Liberty Link Cotton | | | | | | 15.0 c-g | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 25 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 25 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | | |
| 25 Staple | 85 | SP | 0.032 LB A/A | EPO | D | | | | | |
| 25 Induce | | L | 0.25 % V/V | EPO | D | | | | | |
| 25 Cotoran | 4 | L | 1 LB A/A | PD 6-8" | C E | | | | | |
| 25 MSMA | 6.6 | EC | 2 LB A/A | PD 6-8" | C E | | | | | |
| 25 Induce | | L | 0.25 % V/V | PD 6-8" | C E | | | | | |
| 25 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 25 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | | |
| 25 Induce | | L | 0.25 % V/V | LAYBY | H | | | | | |
| 25 Weed-Free | | | | ASN | | | | | | |
| 26 Liberty Link Cotton | | | | | | 0.0 i | 0.0 c | 0.0 d | 0.0 c | 0.0 d |
| 26 Untreated Check | | | | | | | | | | |
| 27 Liberty Link Cotton | | | | | | 6.7 ghi | 100.0 a | 100.0 a | 100.0 a | 70.0 b |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 27 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | LAYBY | H | | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | | |
| 27 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |
| 28 Liberty Link Cotton | | | | | | 10.0 e-i | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 28 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | | |
| 28 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | LAYBY | H | | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | | |
| 28 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | AMBEL | CHEAL | IPOSS | MOLVE | |
|------------------------|-----------|-----------|-------------|------|--------------|---------------|---------------|-------------|---------|
| Pest Name | | | | | Ragweed | Lambsquarters | Morning glory | Carpetweed | |
| Part Rated | | | CROP | | WEED | WEED | WEED | WEED | |
| Rating Data Type | | | INJURY | | CONTROL | CONTROL | CONTROL | CONTROL | |
| Rating Unit | | | % | | % | % | % | % | |
| Rating Date | | | 25-Jul-2005 | | 25-Jul-2005 | 25-Jul-2005 | 25-Jul-2005 | 25-Jul-2005 | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Rate | Unit | Growth Stage | Appl Code | | | |
| 29 Liberty Link Cotton | | | | | 11.7 d-h | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 29 Ignite | 1.67 EC | | 0.42 LB | A/A | EPO | D | | | |
| 29 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | |
| 29 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | |
| 29 Ignite | 1.67 EC | | 0.42 LB | A/A | POST | F | | | |
| 29 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | |
| 29 Ignite | 1.67 EC | | 0.42 LB | A/A | LAYBY | H | | | |
| 29 AMS | 3.4 L | | 3 LB | A/A | LAYBY | H | | | |
| 29 Valor | 54 WDG | | 0.063 LB | A/A | LAYBY | H | | | |
| 29 Induce | L | | 0.25 % | V/V | LAYBY | H | | | |
| 30 Liberty Link Cotton | | | | | 21.7 a-d | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 30 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | |
| 30 Ignite | 1.67 EC | | 0.42 LB | A/A | EPO | D | | | |
| 30 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | |
| 30 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | |
| 30 Ignite | 1.67 EC | | 0.42 LB | A/A | POST | F | | | |
| 30 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | |
| 30 Ignite | 1.67 EC | | 0.42 LB | A/A | LAYBY | H | | | |
| 30 AMS | 3.4 L | | 3 LB | A/A | LAYBY | H | | | |
| 30 Valor | 54 WDG | | 0.063 LB | A/A | LAYBY | H | | | |
| 30 Induce | L | | 0.25 % | V/V | LAYBY | H | | | |
| LSD (P=.05) | | | | | 11.62 | 2.58 | 5.65 | 11.47 | 21.80 |
| Standard Deviation | | | | | 7.11 | 1.58 | 3.46 | 7.02 | 13.35 |
| CV | | | | | 66.08 | 1.7 | 3.76 | 7.6 | 15.96 |
| Grand Mean | | | | | 10.77 | 93.17 | 92.17 | 92.39 | 83.61 |

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean separations are based on the complete error term.
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | CYPES | ELEIN | DIGSA | | |
|------------------------|-----------|-----------|----------|------|--------------|------------------|-------------|------------------|-------------|-------|
| Pest Name | | | | | | Nutsedge, yellow | Goosegrass | Crabgrass, large | | |
| Part Rated | | | | | | WEED | WEED | WEED | CROP | |
| Rating Data Type | | | | | | CONTROL | CONTROL | CONTROL | INJURY | |
| Rating Unit | | | | | | % | % | % | % | |
| Rating Date | | | | | | 25-Jul-2005 | 25-Jul-2005 | 25-Jul-2005 | 29-Aug-2005 | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | | | | |
| 1 Roundup Ready Cotton | | | | | | | 43.3 b | 80.0 b | 61.7 c | 0.0 a |
| 1 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | 1-2 LF | B | | | | |
| 1 AMS | 3.4 L | | 3 LB | A/A | 1-2 LF | B | | | | |
| 2 Roundup Ready Cotton | | | | | | | 46.7 b | 100.0 a | 91.7 ab | 0.0 a |
| 2 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | 3-4 LF | C | | | | |
| 2 AMS | 3.4 L | | 3 LB | A/A | 3-4 LF | C | | | | |
| 3 Roundup Ready Cotton | | | | | | | 96.7 a | 100.0 a | 100.0 a | 0.0 a |
| 3 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | |
| 3 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | | |
| 3 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | |
| 3 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 3 Caparol | 4 L | | 1 LB | A/A | LAYBY | H | | | | |
| 3 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | |
| 3 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | |
| 4 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 4 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | |
| 4 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | |
| 4 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | |
| 4 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | | |
| 4 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | |
| 4 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 4 Caparol | 4 L | | 1 LB | A/A | LAYBY | H | | | | |
| 4 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | |
| 4 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | |
| 5 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 5 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | |
| 5 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | |
| 5 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | | |
| 5 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | |
| 5 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 5 Valor | 51 WDG | | 0.063 LB | A/A | LAYBY | H | | | | |
| 5 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | |
| 5 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | |
| 6 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 6 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | |
| 6 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | |
| 6 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | |
| 6 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | | |
| 6 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | |
| 6 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 6 Valor | 51 WDG | | 0.063 LB | A/A | LAYBY | H | | | | |
| 6 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | |
| 6 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | |
| 7 Roundup Ready Cotton | | | | | | | 99.3 a | 100.0 a | 100.0 a | 0.0 a |
| 7 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | |
| 7 Cotoran | 4 L | | 1 LB | A/A | PRE | A | | | | |
| 7 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | |
| 7 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 7 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | LPO | G | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A | LPO | G | | | | |
| 8 Roundup Ready Cotton | | | | | | | 93.3 a | 100.0 a | 100.0 a | 0.0 a |
| 8 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | |
| 8 Cotoran | 4 L | | 1 LB | A/A | PRE | A | | | | |
| 8 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | |
| 8 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | |
| 8 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | |
| 8 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 8 Caparol | 4 L | | 1 LB | A/A | LAYBY | H | | | | |
| 8 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | |
| 8 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | |
| 9 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 9 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | |
| 9 Cotoran | 4 L | | 1 LB | A/A | PRE | A | | | | |
| 9 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | |
| 9 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | |
| 9 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | |
| 9 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 9 Valor | 51 WDG | | 0.063 LB | A/A | LAYBY | H | | | | |
| 9 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | |
| 9 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | CYPES | ELEIN | DIGSA | | |
|-------------------------|------|------|--------------|---------|------------------|-------------|------------------|-------------|-------|
| Pest Name | | | | | Nutsedge, yellow | Goosegrass | Crabgrass, large | | |
| Part Rated | | | | | WEED | WEED | WEED | CROP | |
| Rating Data Type | | | | | CONTROL | CONTROL | CONTROL | INJURY | |
| Rating Unit | | | | | % | % | % | % | |
| Rating Date | | | | | 25-Jul-2005 | 25-Jul-2005 | 25-Jul-2005 | 29-Aug-2005 | |
| Trt Treatment | Form | Form | Rate | Growth | Appl | | | | |
| No. Name | Conc | Type | Unit | Stage | Code | | | | |
| 10 Roundup Ready Cotton | | | | | | 99.3 a | 100.0 a | 100.0 a | 0.0 a |
| 10 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 10 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | |
| 10 Staple | 85 | SP | 0.032 LB A/A | EPO | D | | | | |
| 10 Induce | | L | 0.25 % V/V | EPO | D | | | | |
| 10 Cotoran | 4 | L | 1 LB A/A | PD 6-8" | C E | | | | |
| 10 MSMA | 6.6 | EC | 2 LB A/A | PD 6-8" | C E | | | | |
| 10 Induce | | L | 0.25 % V/V | PD 6-8" | C E | | | | |
| 10 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | |
| 10 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | |
| 10 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |
| 10 Weed-Free | | | | ASN | | | | | |
| 11 Roundup Ready Cotton | | | | | | 0.0 c | 0.0 d | 0.0 d | 0.0 a |
| 11 Untreated Check | | | | | | | | | |
| 12 Roundup Ready Cotton | | | | | | 98.3 a | 100.0 a | 100.0 a | 0.0 a |
| 12 Roundup WeatherMax | 4.5 | SL | 0.75 LB AE/A | EPO | D | | | | |
| 12 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 12 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | |
| 12 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | POST | F | | | | |
| 12 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 12 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | LAYBY | H | | | | |
| 12 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | |
| 12 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | |
| 13 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 13 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 13 Roundup WeatherMax | 4.5 | SL | 0.75 LB AE/A | EPO | D | | | | |
| 13 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 13 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | |
| 13 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | POST | F | | | | |
| 13 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 13 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | LAYBY | H | | | | |
| 13 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | |
| 13 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | |
| 14 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 14 Roundup WeatherMax | 4.5 | SL | 0.75 LB AE/A | EPO | D | | | | |
| 14 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 14 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | |
| 14 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | POST | F | | | | |
| 14 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 14 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | LAYBY | H | | | | |
| 14 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | |
| 14 Valor | 54 | WDG | 0.063 LB A/A | LAYBY | H | | | | |
| 14 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |
| 15 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 15 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 15 Roundup WeatherMax | 4.5 | SL | 0.75 LB AE/A | EPO | D | | | | |
| 15 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 15 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | |
| 15 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | POST | F | | | | |
| 15 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 15 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | LAYBY | H | | | | |
| 15 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | |
| 15 Valor | 54 | WDG | 0.063 LB A/A | LAYBY | H | | | | |
| 15 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |
| 16 Liberty Link Cotton | | | | | | 38.3 b | 50.0 c | 100.0 a | 0.0 a |
| 16 Ignite | 1.67 | EC | 0.42 LB A/A | 1-2 LF | B | | | | |
| 16 AMS | 3.4 | L | 3 LB A/A | 1-2 LF | B | | | | |
| 17 Liberty Link Cotton | | | | | | 50.0 b | 46.7 c | 71.7 bc | 0.0 a |
| 17 Ignite | 1.67 | EC | 0.42 LB A/A | 3-4 LF | C | | | | |
| 17 AMS | 3.4 | L | 3 LB A/A | 3-4 LF | C | | | | |
| 18 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 18 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 18 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | |
| 18 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 18 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 18 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | |
| 18 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | |
| 18 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |
| 19 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 19 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 19 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 19 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 19 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | |
| 19 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 19 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 19 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | |
| 19 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | |
| 19 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | CYPES | ELEIN | DIGSA | | |
|------------------------|-----------|-----------|--------------|--------------|------------------|-------------|------------------|-------------|-------|
| Pest Name | | | | | Nutsedge, yellow | Goosegrass | Crabgrass, large | | |
| Part Rated | | | | | WEED | WEED | WEED | | |
| Rating Data Type | | | | | CONTROL | CONTROL | CONTROL | CROP | |
| Rating Unit | | | | | % | % | % | INJURY | |
| Rating Date | | | | | 25-Jul-2005 | 25-Jul-2005 | 25-Jul-2005 | 29-Aug-2005 | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Unit | Growth Stage | Appl Code | | | | |
| 20 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 20 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 20 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 20 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | |
| 20 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 20 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 20 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | |
| 20 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | |
| 20 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |
| 21 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 21 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 21 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 21 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 21 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | |
| 21 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 21 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 21 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | |
| 21 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | |
| 21 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |
| 22 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 66.7 c | 0.0 a |
| 22 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 22 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | |
| 22 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 22 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 22 Ignite | 1.67 | EC | 0.75 LB A/A | LPO | G | | | | |
| 22 AMS | 3.4 | L | 3 LB A/A | LPO | G | | | | |
| 23 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 23 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 23 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | |
| 23 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 23 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 23 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 23 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 23 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | |
| 23 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | |
| 23 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |
| 24 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 24 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 24 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | |
| 24 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 24 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 24 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 24 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 24 Valor | 51 | WDG | 0.063 LB A/A | LAYBY | H | | | | |
| 24 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | |
| 24 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |
| 25 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 25 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 25 Cotoran | 4 | L | 1 LB A/A | PRE | A | | | | |
| 25 Staple | 85 | SP | 0.032 LB A/A | EPO | D | | | | |
| 25 Induce | | L | 0.25 % V/V | EPO | D | | | | |
| 25 Cotoran | 4 | L | 1 LB A/A | PD 6-8" | C E | | | | |
| 25 MSMA | 6.6 | EC | 2 LB A/A | PD 6-8" | C E | | | | |
| 25 Induce | | L | 0.25 % V/V | PD 6-8" | C E | | | | |
| 25 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | |
| 25 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | | | |
| 25 Induce | | L | 0.25 % V/V | LAYBY | H | | | | |
| 25 Weed-Free | | | | ASN | | | | | |
| 26 Liberty Link Cotton | | | | | | 0.0 c | 0.0 d | 0.0 d | 0.0 a |
| 26 Untreated Check | | | | | | | | | |
| 27 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a | 100.0 a | 0.0 a |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 27 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 27 Ignite | 1.67 | EC | 0.42 LB A/A | LAYBY | H | | | | |
| 27 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | |
| 27 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | |
| 28 Liberty Link Cotton | | | | | | 98.3 a | 100.0 a | 99.3 a | 0.0 a |
| 28 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | EPO | D | | | | |
| 28 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | POST | F | | | | |
| 28 Ignite | 1.67 | EC | 0.42 LB A/A | LAYBY | H | | | | |
| 28 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | | | |
| 28 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | CYPES | | ELEIN | | DIGSA | |
|------------------------|------------------|-----------|-------------|--------|-------------------------|-----------|
| Pest Name | Nutsedge, yellow | | Goosegrass | | Crabgrass, large | |
| Part Rated | WEED | | WEED | | WEED | |
| Rating Data Type | CONTROL | | CONTROL | | CONTROL | |
| Rating Unit | % | | % | | % | |
| Rating Date | 25-Jul-2005 | | 25-Jul-2005 | | 25-Jul-2005 29-Aug-2005 | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Rate | Unit | Growth Stage | Appl Code |
| 29 Liberty Link Cotton | | | | | | |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D |
| 29 AMS | 3.4 | L | 3 | LB A/A | EPO | D |
| 29 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F |
| 29 AMS | 3.4 | L | 3 | LB A/A | POST | F |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H |
| 29 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H |
| 29 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H |
| 29 Induce | | L | 0.25 | % V/V | LAYBY | H |
| 30 Liberty Link Cotton | | | | | | |
| 30 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D |
| 30 AMS | 3.4 | L | 3 | LB A/A | EPO | D |
| 30 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F |
| 30 AMS | 3.4 | L | 3 | LB A/A | POST | F |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H |
| 30 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H |
| 30 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H |
| 30 Induce | | L | 0.25 | % V/V | LAYBY | H |
| LSD (P=.05) | | | 21.50 | | 17.36 | 22.06 |
| Standard Deviation | | | 13.17 | | 10.63 | 13.51 |
| CV | | | 15.41 | | 11.92 | 15.06 |
| Grand Mean | | | 85.43 | | 89.22 | 89.7 |

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean separations are based on the complete error term.
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | CHEAL | AMBEL | IPOSS | ELEIN | |
|------------------------|-----------|-----------|----------|------|--------------|-----------------------|-------------|---------------|-------------|---------|
| Pest Name | | | | | | Lambsquarters, common | Ragweed | Morning glory | Goosegrass | |
| Part Rated | | | | | | WEED | WEED | WEED | WEED | |
| Rating Data Type | | | | | | CONTROL | CONTROL | CONTROL | CONTROL | |
| Rating Unit | | | | | | % | % | % | % | |
| Rating Date | | | | | | 29-Aug-2005 | 29-Aug-2005 | 29-Aug-2005 | 29-Aug-2005 | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | | | | |
| 1 Roundup Ready Cotton | | | | | | | 81.7 c | 91.7 a | 100.0 a | 66.7 c |
| 1 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | 1-2 LF | B | | | | |
| 1 AMS | 3.4 L | | 3 LB | A/A | 1-2 LF | B | | | | |
| 2 Roundup Ready Cotton | | | | | | | 93.3 ab | 100.0 a | 100.0 a | 88.3 ab |
| 2 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | 3-4 LF | C | | | | |
| 2 AMS | 3.4 L | | 3 LB | A/A | 3-4 LF | C | | | | |
| 3 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 3 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | |
| 3 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | | |
| 3 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | |
| 3 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 3 Caparol | 4 L | | 1 LB | A/A | LAYBY | H | | | | |
| 3 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | |
| 3 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | |
| 4 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 4 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | |
| 4 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | |
| 4 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | |
| 4 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | | |
| 4 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | |
| 4 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 4 Caparol | 4 L | | 1 LB | A/A | LAYBY | H | | | | |
| 4 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | |
| 4 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | |
| 5 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 5 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | |
| 5 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | |
| 5 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | | |
| 5 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | |
| 5 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 5 Valor | 51 WDG | | 0.063 LB | A/A | LAYBY | H | | | | |
| 5 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | |
| 5 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | |
| 6 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 6 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | |
| 6 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | |
| 6 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | |
| 6 Dual Magnum | 7.62 EC | | 1 LB | A/A | EPO | D | | | | |
| 6 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | |
| 6 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 6 Valor | 51 WDG | | 0.063 LB | A/A | LAYBY | H | | | | |
| 6 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | |
| 6 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | |
| 7 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 7 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | |
| 7 Cotoran | 4 L | | 1 LB | A/A | PRE | A | | | | |
| 7 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | |
| 7 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 7 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | LPO | G | | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A | LPO | G | | | | |
| 8 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 8 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | |
| 8 Cotoran | 4 L | | 1 LB | A/A | PRE | A | | | | |
| 8 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | |
| 8 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | |
| 8 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | |
| 8 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 8 Caparol | 4 L | | 1 LB | A/A | LAYBY | H | | | | |
| 8 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | |
| 8 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | |
| 9 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 9 Prowl | 3.3 EC | | 1 LB | A/A | PRE | A | | | | |
| 9 Cotoran | 4 L | | 1 LB | A/A | PRE | A | | | | |
| 9 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A | EPO | D | | | | |
| 9 AMS | 3.4 L | | 3 LB | A/A | EPO | D | | | | |
| 9 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A | POST | F | | | | |
| 9 AMS | 3.4 L | | 3 LB | A/A | POST | F | | | | |
| 9 Valor | 51 WDG | | 0.063 LB | A/A | LAYBY | H | | | | |
| 9 MSMA | 6.6 EC | | 2 LB | A/A | LAYBY | H | | | | |
| 9 Induce | L | | 0.25 % | V/V | LAYBY | H | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | CHEAL | AMBEL | IPOSS | ELEIN |
|-------------------------|-----------|-----------|-------|----------|-----------------------|-------------|---------------|-------------|
| Pest Name | | | | | Lambsquarters, common | Ragweed | Morning glory | Goosegrass |
| Part Rated | | | | | WEED | WEED | WEED | WEED |
| Rating Data Type | | | | | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | | | | | % | % | % | % |
| Rating Date | | | | | 29-Aug-2005 | 29-Aug-2005 | 29-Aug-2005 | 29-Aug-2005 |
| Trt Treatment No. Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | | |
| 10 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a |
| 10 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | |
| 10 Cotoran | 4 | L | | 1 LB A/A | PRE | A | | |
| 10 Staple | 85 | SP | 0.032 | LB A/A | EPO | D | | |
| 10 Induce | | L | 0.25 | % V/V | EPO | D | | |
| 10 Cotoran | 4 | L | | 1 LB A/A | PD 6-8" | C E | | |
| 10 MSMA | 6.6 | EC | | 2 LB A/A | PD 6-8" | C E | | |
| 10 Induce | | L | 0.25 | % V/V | PD 6-8" | C E | | |
| 10 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | |
| 10 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | |
| 10 Induce | | L | 0.25 | % V/V | LAYBY | H | | |
| 10 Weed-Free | | | | | ASN | | | |
| 11 Roundup Ready Cotton | | | | | | | 0.0 d | 0.0 c |
| 11 Untreated Check | | | | | | | | 0.0 c |
| 12 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a |
| 12 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | |
| 12 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | |
| 12 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | |
| 12 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | |
| 12 AMS | 3.4 | L | | 3 LB A/A | POST | F | | |
| 12 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | |
| 12 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | |
| 12 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | |
| 13 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a |
| 13 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | |
| 13 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | |
| 13 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | |
| 13 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | |
| 13 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | |
| 13 AMS | 3.4 | L | | 3 LB A/A | POST | F | | |
| 13 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | |
| 13 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | |
| 13 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | |
| 14 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a |
| 14 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | |
| 14 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | |
| 14 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | |
| 14 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | |
| 14 AMS | 3.4 | L | | 3 LB A/A | POST | F | | |
| 14 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | |
| 14 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | |
| 14 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | |
| 14 Induce | | L | 0.25 | % V/V | LAYBY | H | | |
| 15 Roundup Ready Cotton | | | | | | | 100.0 a | 100.0 a |
| 15 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | |
| 15 Roundup WeatherMax | 4.5 | SL | 0.75 | LB AE/A | EPO | D | | |
| 15 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | |
| 15 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | |
| 15 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | POST | F | | |
| 15 AMS | 3.4 | L | | 3 LB A/A | POST | F | | |
| 15 Roundup WeatherMAX | 4.5 | SL | 0.75 | LB AE/A | LAYBY | H | | |
| 15 AMS | 3.4 | L | | 3 LB A/A | LAYBY | H | | |
| 15 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | |
| 15 Induce | | L | 0.25 | % V/V | LAYBY | H | | |
| 16 Liberty Link Cotton | | | | | | | 81.7 c | 93.3 a |
| 16 Ignite | 1.67 | EC | 0.42 | LB A/A | 1-2 LF | B | | 85.0 b |
| 16 AMS | 3.4 | L | | 3 LB A/A | 1-2 LF | B | | 81.7 bc |
| 17 Liberty Link Cotton | | | | | | | 90.0 b | 100.0 a |
| 17 Ignite | 1.67 | EC | 0.42 | LB A/A | 3-4 LF | C | | 85.0 b |
| 17 AMS | 3.4 | L | | 3 LB A/A | 3-4 LF | C | | 73.3 bc |
| 18 Liberty Link Cotton | | | | | | | 100.0 a | 70.0 b |
| 18 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | 100.0 a |
| 18 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | 100.0 a |
| 18 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | 100.0 a |
| 18 AMS | 3.4 | L | | 3 LB A/A | POST | F | | 100.0 a |
| 18 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | 100.0 a |
| 18 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | 100.0 a |
| 18 Induce | | L | 0.25 | % V/V | LAYBY | H | | 100.0 a |
| 19 Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a |
| 19 Prowl | 3.3 | EC | | 1 LB A/A | PRE | A | | 100.0 a |
| 19 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | 100.0 a |
| 19 AMS | 3.4 | L | | 3 LB A/A | EPO | D | | 100.0 a |
| 19 Dual Magnum | 7.62 | EC | | 1 LB A/A | EPO | D | | 100.0 a |
| 19 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | 100.0 a |
| 19 AMS | 3.4 | L | | 3 LB A/A | POST | F | | 100.0 a |
| 19 Caparol | 4 | L | | 1 LB A/A | LAYBY | H | | 100.0 a |
| 19 MSMA | 6.6 | EC | | 2 LB A/A | LAYBY | H | | 100.0 a |
| 19 Induce | | L | 0.25 | % V/V | LAYBY | H | | 100.0 a |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | CHEAL | AMBEL | IPOSS | ELEIN | |
|------------------------|-----------|-----------|-------|--------|--------------|-----------------------|-------------|---------------|-------------|---------|
| Pest Name | | | | | | Lambsquarters, common | Ragweed | Morning glory | Goosegrass | |
| Part Rated | | | | | | WEED | WEED | WEED | WEED | |
| Rating Data Type | | | | | | CONTROL | CONTROL | CONTROL | CONTROL | |
| Rating Unit | | | | | | % | % | % | % | |
| Rating Date | | | | | | 29-Aug-2005 | 29-Aug-2005 | 29-Aug-2005 | 29-Aug-2005 | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | | | | |
| 20 Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 20 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | |
| 20 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | |
| 20 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | |
| 20 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | |
| 20 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | |
| 20 Valor | 51 | WDG | 0.063 | LB A/A | LAYBY | H | | | | |
| 20 MSMA | 6.6 | EC | 2 | LB A/A | LAYBY | H | | | | |
| 20 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | |
| 21 Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 21 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | |
| 21 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | |
| 21 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | |
| 21 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | |
| 21 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | |
| 21 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | |
| 21 Valor | 51 | WDG | 0.063 | LB A/A | LAYBY | H | | | | |
| 21 MSMA | 6.6 | EC | 2 | LB A/A | LAYBY | H | | | | |
| 21 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | |
| 22 Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 22 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | |
| 22 Cotoran | 4 | L | 1 | LB A/A | PRE | A | | | | |
| 22 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | |
| 22 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | |
| 22 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | |
| 22 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | |
| 22 Ignite | 1.67 | EC | 0.75 | LB A/A | LPO | G | | | | |
| 22 AMS | 3.4 | L | 3 | LB A/A | LPO | G | | | | |
| 23 Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 23 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | |
| 23 Cotoran | 4 | L | 1 | LB A/A | PRE | A | | | | |
| 23 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | |
| 23 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | |
| 23 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | |
| 23 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | |
| 23 Caparol | 4 | L | 1 | LB A/A | LAYBY | H | | | | |
| 23 MSMA | 6.6 | EC | 2 | LB A/A | LAYBY | H | | | | |
| 23 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | |
| 24 Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 24 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | |
| 24 Cotoran | 4 | L | 1 | LB A/A | PRE | A | | | | |
| 24 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | |
| 24 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | |
| 24 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | |
| 24 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | |
| 24 Valor | 51 | WDG | 0.063 | LB A/A | LAYBY | H | | | | |
| 24 MSMA | 6.6 | EC | 2 | LB A/A | LAYBY | H | | | | |
| 24 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | |
| 25 Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 25 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | |
| 25 Cotoran | 4 | L | 1 | LB A/A | PRE | A | | | | |
| 25 Staple | 85 | SP | 0.032 | LB A/A | EPO | D | | | | |
| 25 Induce | | L | 0.25 | % V/V | EPO | D | | | | |
| 25 Cotoran | 4 | L | 1 | LB A/A | PD 6-8" | C E | | | | |
| 25 MSMA | 6.6 | EC | 2 | LB A/A | PD 6-8" | C E | | | | |
| 25 Induce | | L | 0.25 | % V/V | PD 6-8" | C E | | | | |
| 25 Caparol | 4 | L | 1 | LB A/A | LAYBY | H | | | | |
| 25 MSMA | 6.6 | EC | 2 | LB A/A | LAYBY | H | | | | |
| 25 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | |
| 25 Weed-Free | | | | | ASN | | | | | |
| 26 Liberty Link Cotton | | | | | | | 0.0 d | 0.0 c | 0.0 c | 0.0 d |
| 26 Untreated Check | | | | | | | | | | |
| 27 Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 27 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | |
| 27 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | |
| 27 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | |
| 27 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | |
| 27 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | |
| 27 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | |
| 27 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H | | | | |
| 27 Caparol | 4 | L | 1 | LB A/A | LAYBY | H | | | | |
| 28 Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 28 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | |
| 28 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | |
| 28 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | |
| 28 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | |
| 28 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | |
| 28 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | |
| 28 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | |
| 28 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H | | | | |
| 28 Caparol | 4 | L | 1 | LB A/A | LAYBY | H | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | CHEAL | AMBEL | IPOSS | ELEIN | |
|------------------------|-----------|-----------|-----------|--------|--------------|-----------------------|-------------|---------------|-------------|---------|
| Pest Name | | | | | | Lambsquarters, common | Ragweed | Morning glory | Goosegrass | |
| Part Rated | | | | | | WEED | WEED | WEED | WEED | |
| Rating Data Type | | | | | | CONTROL | CONTROL | CONTROL | CONTROL | |
| Rating Unit | | | | | | % | % | % | % | |
| Rating Date | | | | | | 29-Aug-2005 | 29-Aug-2005 | 29-Aug-2005 | 29-Aug-2005 | |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Rate | Unit | Growth Stage | Appl Code | | | | |
| 29 Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | |
| 29 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H | | | | |
| 29 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | |
| 29 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | |
| 30 Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 100.0 a | 100.0 a |
| 30 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | |
| 30 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H | | | | |
| 30 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | | |
| 30 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | |
| LSD (P=.05) | | | | | | | 7.09 | 16.56 | 8.61 | 17.23 |
| Standard Deviation | | | | | | | 4.34 | 10.14 | 5.27 | 10.55 |
| CV | | | | | | | 4.74 | 11.04 | 5.71 | 11.68 |
| Grand Mean | | | | | | | 91.56 | 91.83 | 92.33 | 90.33 |

Means followed by same letter do not significantly differ (P=.05, LSD)
Mean separations are based on the complete error term.
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | | DIGSA | PANTE | |
|------------------------|---------|------|----------|-------------|------|-------------|----------------|-------------|
| Pest Name | | | | | | Crabgrass, | large Panicum, | Texas |
| Part Rated | | | | | | WEED | WEED | LINT |
| Rating Data Type | | | | | | CONTROL | CONTROL | YIELD |
| Rating Unit | | | | | | % | % | LB/A |
| Rating Date | | | | | | 29-Aug-2005 | 29-Aug-2005 | 05-Oct-2005 |
| Trt Treatment | Form | Form | Rate | Growth | Appl | | | |
| No. Name | Conc | Type | Unit | Stage | Code | | | |
| 1 Roundup Ready Cotton | | | | | | 66.7 c | 65.0 b | 1510.4 b-f |
| 1 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A 1-2 LF | B | | | |
| 1 AMS | 3.4 L | | 3 LB | A/A 1-2 LF | B | | | |
| 2 Roundup Ready Cotton | | | | | | 83.3 b | 78.3 b | 1648.4 ab |
| 2 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A 3-4 LF | C | | | |
| 2 AMS | 3.4 L | | 3 LB | A/A 3-4 LF | C | | | |
| 3 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a | 1625.4 ab |
| 3 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | |
| 3 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | |
| 3 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | |
| 3 AMS | 3.4 L | | 3 LB | A/A POST | F | | | |
| 3 Caparol | 4 L | | 1 LB | A/A LAYBY | H | | | |
| 3 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | |
| 3 Induce | L | | 0.25 % | V/V LAYBY | H | | | |
| 4 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a | 1535.7 b-e |
| 4 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | |
| 4 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | |
| 4 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | |
| 4 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | |
| 4 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | |
| 4 AMS | 3.4 L | | 3 LB | A/A POST | F | | | |
| 4 Caparol | 4 L | | 1 LB | A/A LAYBY | H | | | |
| 4 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | |
| 4 Induce | L | | 0.25 % | V/V LAYBY | H | | | |
| 5 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a | 1659.9 ab |
| 5 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | |
| 5 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | |
| 5 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | |
| 5 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | |
| 5 AMS | 3.4 L | | 3 LB | A/A POST | F | | | |
| 5 Valor | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | |
| 5 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | |
| 5 Induce | L | | 0.25 % | V/V LAYBY | H | | | |
| 6 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a | 1540.3 bcd |
| 6 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | |
| 6 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | |
| 6 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | |
| 6 Dual Magnum | 7.62 EC | | 1 LB | A/A EPO | D | | | |
| 6 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | |
| 6 AMS | 3.4 L | | 3 LB | A/A POST | F | | | |
| 6 Valor | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | |
| 6 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | |
| 6 Induce | L | | 0.25 % | V/V LAYBY | H | | | |
| 7 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a | 1793.2 a |
| 7 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | |
| 7 Cotoran | 4 L | | 1 LB | A/A PRE | A | | | |
| 7 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | |
| 7 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A POST | F | | | |
| 7 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A LPO | G | | | |
| 7 AMS | 3.4 L | | 3 LB | A/A LPO | G | | | |
| 8 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a | 1641.5 ab |
| 8 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | |
| 8 Cotoran | 4 L | | 1 LB | A/A PRE | A | | | |
| 8 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | |
| 8 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | |
| 8 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | |
| 8 AMS | 3.4 L | | 3 LB | A/A POST | F | | | |
| 8 Caparol | 4 L | | 1 LB | A/A LAYBY | H | | | |
| 8 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | |
| 8 Induce | L | | 0.25 % | V/V LAYBY | H | | | |
| 9 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a | 1515.0 b-f |
| 9 Prowl | 3.3 EC | | 1 LB | A/A PRE | A | | | |
| 9 Cotoran | 4 L | | 1 LB | A/A PRE | A | | | |
| 9 Roundup WeatherMax | 4.5 SL | | 0.75 LB | AE/A EPO | D | | | |
| 9 AMS | 3.4 L | | 3 LB | A/A EPO | D | | | |
| 9 Roundup WeatherMAX | 4.5 SL | | 0.75 LB | AE/A POST | F | | | |
| 9 AMS | 3.4 L | | 3 LB | A/A POST | F | | | |
| 9 Valor | 51 WDG | | 0.063 LB | A/A LAYBY | H | | | |
| 9 MSMA | 6.6 EC | | 2 LB | A/A LAYBY | H | | | |
| 9 Induce | L | | 0.25 % | V/V LAYBY | H | | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | | | | | DIGSA | PANTE | |
|-------------------------|-----------|-----------|--------------|--------------|-------------|-------------|--------------------|
| Pest Name | | | | | Crabgrass, | large | Panicum, Texas |
| Part Rated | | | | | WEED | WEED | LINT |
| Rating Data Type | | | | | CONTROL | CONTROL | YIELD |
| Rating Unit | | | | | % | % | LB/A |
| Rating Date | | | | | 29-Aug-2005 | 29-Aug-2005 | 05-Oct-2005 |
| Trt Treatment No. Name | Form Conc | Form Type | Rate Unit | Growth Stage | Appl Code | | |
| 10 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a 1570.2 bc |
| 10 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | |
| 10 Cotoran | 4 | L | 1 LB A/A | PRE | A | | |
| 10 Staple | 85 | SP | 0.032 LB A/A | EPO | D | | |
| 10 Induce | | L | 0.25 % V/V | EPO | D | | |
| 10 Cotoran | 4 | L | 1 LB A/A | PD 6-8" | C E | | |
| 10 MSMA | 6.6 | EC | 2 LB A/A | PD 6-8" | C E | | |
| 10 Induce | | L | 0.25 % V/V | PD 6-8" | C E | | |
| 10 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | |
| 10 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | |
| 10 Induce | | L | 0.25 % V/V | LAYBY | H | | |
| 10 Weed-Free | | | | ASN | | | |
| 11 Roundup Ready Cotton | | | | | | 0.0 d | 0.0 c 0.0 k |
| 11 Untreated Check | | | | | | | |
| 12 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a 1620.8 ab |
| 12 Roundup WeatherMax | 4.5 | SL | 0.75 LB AE/A | EPO | D | | |
| 12 AMS | 3.4 | L | 3 LB A/A | EPO | D | | |
| 12 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | |
| 12 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | POST | F | | |
| 12 AMS | 3.4 | L | 3 LB A/A | POST | F | | |
| 12 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | LAYBY | H | | |
| 12 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | |
| 12 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | |
| 13 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a 1653.0 ab |
| 13 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | |
| 13 Roundup WeatherMax | 4.5 | SL | 0.75 LB AE/A | EPO | D | | |
| 13 AMS | 3.4 | L | 3 LB A/A | EPO | D | | |
| 13 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | |
| 13 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | POST | F | | |
| 13 AMS | 3.4 | L | 3 LB A/A | POST | F | | |
| 13 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | LAYBY | H | | |
| 13 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | |
| 13 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | |
| 14 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a 1459.9 b-g |
| 14 Roundup WeatherMax | 4.5 | SL | 0.75 LB AE/A | EPO | D | | |
| 14 AMS | 3.4 | L | 3 LB A/A | EPO | D | | |
| 14 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | |
| 14 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | POST | F | | |
| 14 AMS | 3.4 | L | 3 LB A/A | POST | F | | |
| 14 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | LAYBY | H | | |
| 14 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | |
| 14 Valor | 54 | WDG | 0.063 LB A/A | LAYBY | H | | |
| 14 Induce | | L | 0.25 % V/V | LAYBY | H | | |
| 15 Roundup Ready Cotton | | | | | | 100.0 a | 100.0 a 1485.2 b-f |
| 15 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | |
| 15 Roundup WeatherMax | 4.5 | SL | 0.75 LB AE/A | EPO | D | | |
| 15 AMS | 3.4 | L | 3 LB A/A | EPO | D | | |
| 15 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | |
| 15 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | POST | F | | |
| 15 AMS | 3.4 | L | 3 LB A/A | POST | F | | |
| 15 Roundup WeatherMAX | 4.5 | SL | 0.75 LB AE/A | LAYBY | H | | |
| 15 AMS | 3.4 | L | 3 LB A/A | LAYBY | H | | |
| 15 Valor | 54 | WDG | 0.063 LB A/A | LAYBY | H | | |
| 15 Induce | | L | 0.25 % V/V | LAYBY | H | | |
| 16 Liberty Link Cotton | | | | | | 86.7 ab | 100.0 a 1363.3 d-h |
| 16 Ignite | 1.67 | EC | 0.42 LB A/A | 1-2 LF | B | | |
| 16 AMS | 3.4 | L | 3 LB A/A | 1-2 LF | B | | |
| 17 Liberty Link Cotton | | | | | | 81.7 b | 100.0 a 1377.1 c-h |
| 17 Ignite | 1.67 | EC | 0.42 LB A/A | 3-4 LF | C | | |
| 17 AMS | 3.4 | L | 3 LB A/A | 3-4 LF | C | | |
| 18 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a 1177.1 hij |
| 18 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | |
| 18 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | |
| 18 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | |
| 18 AMS | 3.4 | L | 3 LB A/A | POST | F | | |
| 18 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | |
| 18 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | |
| 18 Induce | | L | 0.25 % V/V | LAYBY | H | | |
| 19 Liberty Link Cotton | | | | | | 100.0 a | 100.0 a 1280.5 g-j |
| 19 Prowl | 3.3 | EC | 1 LB A/A | PRE | A | | |
| 19 Ignite | 1.67 | EC | 0.42 LB A/A | EPO | D | | |
| 19 AMS | 3.4 | L | 3 LB A/A | EPO | D | | |
| 19 Dual Magnum | 7.62 | EC | 1 LB A/A | EPO | D | | |
| 19 Ignite | 1.67 | EC | 0.42 LB A/A | POST | F | | |
| 19 AMS | 3.4 | L | 3 LB A/A | POST | F | | |
| 19 Caparol | 4 | L | 1 LB A/A | LAYBY | H | | |
| 19 MSMA | 6.6 | EC | 2 LB A/A | LAYBY | H | | |
| 19 Induce | | L | 0.25 % V/V | LAYBY | H | | |

Tidewater Ag. Res. & Ext. Ctr.

| Pest Code | Pest Name | Part Rated | Rating Data Type | Rating Unit | Rating Date | DIGSA | | PANTE | | LINT | YIELD | LB/A |
|-----------|---------------------|------------|------------------|-------------|-------------|--------------|----------------|-------------|-------------|-------------|-------|------|
| | | | | | | Crabgrass, | large Panicum, | WEED | WEED | | | |
| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Unit | Growth Stage | Appl Code | 29-Aug-2005 | 29-Aug-2005 | 05-Oct-2005 | | |
| 20 | Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 1209.3 | hij | |
| | 20 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| | 20 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | | |
| | 20 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | | |
| | 20 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| | 20 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | | |
| | 20 Valor | 51 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| | 20 MSMA | 6.6 | EC | 2 | LB A/A | LAYBY | H | | | | | |
| | 20 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 21 | Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 1082.8 | j | |
| | 21 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | | |
| | 21 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| | 21 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | | |
| | 21 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | | |
| | 21 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| | 21 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | | |
| | 21 Valor | 51 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| | 21 MSMA | 6.6 | EC | 2 | LB A/A | LAYBY | H | | | | | |
| | 21 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 22 | Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 1347.2 | d-h | |
| | 22 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | | |
| | 22 Cotoran | 4 | L | 1 | LB A/A | PRE | A | | | | | |
| | 22 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| | 22 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | | |
| | 22 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| | 22 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | | |
| | 22 Ignite | 1.67 | EC | 0.75 | LB A/A | LPO | G | | | | | |
| | 22 AMS | 3.4 | L | 3 | LB A/A | LPO | G | | | | | |
| 23 | Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 1335.7 | e-h | |
| | 23 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | | |
| | 23 Cotoran | 4 | L | 1 | LB A/A | PRE | A | | | | | |
| | 23 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| | 23 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | | |
| | 23 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| | 23 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | | |
| | 23 Caparol | 4 | L | 1 | LB A/A | LAYBY | H | | | | | |
| | 23 MSMA | 6.6 | EC | 2 | LB A/A | LAYBY | H | | | | | |
| | 23 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 24 | Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 1317.3 | f-i | |
| | 24 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | | |
| | 24 Cotoran | 4 | L | 1 | LB A/A | PRE | A | | | | | |
| | 24 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| | 24 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | | |
| | 24 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| | 24 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | | |
| | 24 Valor | 51 | WDG | 0.063 | LB A/A | LAYBY | H | | | | | |
| | 24 MSMA | 6.6 | EC | 2 | LB A/A | LAYBY | H | | | | | |
| | 24 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| 25 | Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 1126.5 | ij | |
| | 25 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | | |
| | 25 Cotoran | 4 | L | 1 | LB A/A | PRE | A | | | | | |
| | 25 Staple | 85 | SP | 0.032 | LB A/A | EPO | D | | | | | |
| | 25 Induce | | L | 0.25 | % V/V | EPO | D | | | | | |
| | 25 Cotoran | 4 | L | 1 | LB A/A | PD 6-8" | CE | | | | | |
| | 25 MSMA | 6.6 | EC | 2 | LB A/A | PD 6-8" | CE | | | | | |
| | 25 Induce | | L | 0.25 | % V/V | PD 6-8" | CE | | | | | |
| | 25 Caparol | 4 | L | 1 | LB A/A | LAYBY | H | | | | | |
| | 25 MSMA | 6.6 | EC | 2 | LB A/A | LAYBY | H | | | | | |
| | 25 Induce | | L | 0.25 | % V/V | LAYBY | H | | | | | |
| | 25 Weed-Free | | | | | ASN | | | | | | |
| 26 | Liberty Link Cotton | | | | | | | 0.0 d | 0.0 c | 0.0 | k | |
| | 26 Untreated Check | | | | | | | | | | | |
| 27 | Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 1190.9 | hij | |
| | 27 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| | 27 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | | |
| | 27 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | | |
| | 27 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| | 27 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | | |
| | 27 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | | |
| | 27 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H | | | | | |
| | 27 Caparol | 4 | L | 1 | LB A/A | LAYBY | H | | | | | |
| 28 | Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 1246.1 | hij | |
| | 28 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | | | |
| | 28 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | | | |
| | 28 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | | | |
| | 28 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | | | |
| | 28 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | | | |
| | 28 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | | | |
| | 28 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | | | |
| | 28 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H | | | | | |
| | 28 Caparol | 4 | L | 1 | LB A/A | LAYBY | H | | | | | |

Tidewater Ag. Res. & Ext. Ctr.

| | | | | | | |
|------------------|--|--|--|------------------|----------------|-------------|
| Pest Code | | | | | | |
| Pest Name | | | | DIGSA | PANTE | |
| Part Rated | | | | Crabgrass, large | Panicum, Texas | |
| Rating Data Type | | | | WEED | WEED | LINT |
| Rating Unit | | | | CONTROL | CONTROL | YIELD |
| Rating Date | | | | % | % | LB/A |
| | | | | 29-Aug-2005 | 29-Aug-2005 | 05-Oct-2005 |

| Trt Treatment No. Name | Form Conc | Form Type | Rate Rate | Unit | Growth Stage | Appl Code | | | |
|------------------------|-----------|-----------|-----------|--------|--------------|-----------|---------|---------|------------|
| 29 Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 1177.1 hij |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | |
| 29 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | |
| 29 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | |
| 29 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H | | | |
| 29 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | |
| 29 Induce | | L | 0.25 | % V/V | LAYBY | H | | | |
| 30 Liberty Link Cotton | | | | | | | 100.0 a | 100.0 a | 1184.0 hij |
| 30 Prowl | 3.3 | EC | 1 | LB A/A | PRE | A | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | EPO | D | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | EPO | D | | | |
| 30 Dual Magnum | 7.62 | EC | 1 | LB A/A | EPO | D | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | POST | F | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | POST | F | | | |
| 30 Ignite | 1.67 | EC | 0.42 | LB A/A | LAYBY | H | | | |
| 30 AMS | 3.4 | L | 3 | LB A/A | LAYBY | H | | | |
| 30 Valor | 54 | WDG | 0.063 | LB A/A | LAYBY | H | | | |
| 30 Induce | | L | 0.25 | % V/V | LAYBY | H | | | |

| | | | |
|--------------------|-------|-------|---------|
| LSD (P=.05) | 14.17 | 19.51 | 200.32 |
| Standard Deviation | 8.68 | 11.95 | 122.67 |
| CV | 9.58 | 13.06 | 9.28 |
| Grand Mean | 90.61 | 91.44 | 1322.46 |

Means followed by same letter do not significantly differ (P=.05, LSD)
 Mean separations are based on the complete error term.
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Evaluation of Roundup Ready Flex and Liberty Link Weed Management Systems

Trial ID: COT1305
 Protocol ID: Study Director: Dr. John Wilcut, NCSU
 Location: Res Farm F22 Investigator: Dr. Joel C. Faircloth

Crop Description
 Crop 1: GOSHI *Gossypium hirsutum* Cotton
 Variety: STX4554B2RF Description: Roundup Ready Flex
 BBCH Scale: BCOT Planting Date: 04-May-2005
 Harvest Date: 05-Oct-2005

Crop 2: GOSHI *Gossypium hirsutum* Cotton
 Variety: FM 958 LL Description: Liberty Link
 BBCH Scale: BCOT Planting Date: 04-May-2005
 Harvest Date: 05-Oct-2005

Pest Description
 Pest 1 Type: W Code: AMBEL *Ambrosia artemisiifolia*
 Common Name: Ragweed
 Pest 2 Type: W Code: PANTE *Panicum texanum*
 Common Name: Panicum, Texas
 Pest 3 Type: W Code: CYPES *Cyperus esculentus*
 Common Name: Nutsedge, yellow
 Pest 4 Type: W Code: CHEAL *Chenopodium album*
 Common Name: Lambsquarters, common
 Pest 5 Type: W Code: ANVCR *Anoda cristata*
 Common Name: Anoda, spurred
 Pest 6 Type: W Code: MOLVE *Mollugo verticillata*
 Common Name: Carpetweed
 Pest 7 Type: W Code: IPOLA *Ipomoea lacunosa*
 Common Name: Morningglory, pitted
 Pest 8 Type: W Code: IPOHG *Ipomoea hederacea integruscul*
 Common Name: Morningglory, entireleaf
 Pest 9 Type: W Code: ELEIN *Eleusine indica*
 Common Name: Goosegrass

Site and Design
 Plot Width, Unit: 12 FT
 Plot Length, Unit: 20 FT
 Replications: 3 Study Design: Split-Plot

Trial Initiation Comments:

| No. | Date | Maintenance Treatment Name | Maintenance | | | Rate Unit |
|-----|-------------|----------------------------|-------------|-----------|-----------|-----------|
| | | | Form Conc | Form Unit | Form Rate | |
| 1. | 26-May-2005 | Orthene 97 | 97 | WG | 6 | OZ/A |
| 2. | 21-Jun-2005 | Nitrogen 30% | | L | 30 | UNITS/A |
| 3. | 21-Jun-2005 | Boron | | L | 1 | QT/A |
| 4. | 06-Jul-2005 | Nitrogen 30% | | L | 30 | UNITS/A |
| 5. | 06-Jul-2005 | Boron | | L | 1 | QT/A |
| 6. | 13-Jul-2005 | Pix Plus | 0.35 | SL | 8 | OZ/A |
| 7. | 12-Aug-2005 | Baythroid | 2 | EC | 4 | OZ/A |
| 8. | 19-Sep-2005 | Finish 6 Pro | 6 | EC | 1 | QT/A |
| 9. | 19-Sep-2005 | Def | 6 | EC | 6 | OZ/A |
| 10. | 19-Sep-2005 | Dropp | 50 | WP | 0.1 | LB/A |

Field Prep./Maintenance:

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

| | Application Description | | | | | | | |
|-------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | A | B | C | D | E | F | G | H |
| Application Date: | 04-May-2005 | 27-May-2005 | 06-Jun-2005 | 07-Jun-2005 | 21-Jun-2005 | 28-Jun-2005 | 11-Jul-2005 | 18-Jul-2005 |
| Time of Day: | 11:15 AM | 10:35 AM | 2:10 PM | 9:50 AM | 2:00 PM | 10:05 AM | 9:10 AM | 9:15 AM |
| Application Method: | SPRAY | SPRAY | SPRAY | SPRAY | SPRAY | SPRAY | SPRAY | SPRAY |
| Application Timing: | PRE | 1-2 LF | 3-4 LF | EPO | 8" COT PD | POST | LPO | LAYBY |
| Application Placement: | BROSIO | BROSIO | BROSIO | BROSIO | BROFOL | BROFOL | BROFOL | BROFOL |
| Applied By: | HORTON, D. | HORTON, D. | HORTON, D. | HORTON, D. | HORTON, D. | HORTON, D. | HORTON, D. | HORTON, D. |
| Air Temperature, Unit: | 63 F | 72 F | 90 F | 75 F | 81 F | 83 F | 79 F | 87 F |
| % Relative Humidity: | 72 | 68 | 64 | 100 | 64 | 86 | 90 | 74 |
| Wind Velocity, Unit: | 8 MPH | 2 MPH | 2 MPH | 2 MPH | 2 MPH | 2 MPH | 0 MPH | 2 MPH |
| Wind Direction: | NE | | | | | | | |
| Dew Presence (Y/N): | N | N | N | N | N | N | N | N |
| Soil Temperature, Unit: | 61 F | 68 F | 83 F | 75 F | 80 F | 80 F | 70 F | 70 F |
| Soil Moisture: | ADEQUATE | ADEQUATE | ADEQUATE | ADEQUATE | INADEQUATE | INADEQUATE | INADEQUATE | ADEQUATE |
| % Cloud Cover: | 15 | 5 | 30 | 100 | 0 | 50 | 100 | 5 |

| Crop Stage At Each Application | | | | | | | | | | | | |
|--------------------------------|---------|------|--------|------|--------|-----------|-----------|-----------|-------|------|-------|------|
| | A | B | C | D | E | F | G | H | | | | |
| Crop 1 Code, BBCH Scale: | GOSHI | BCOT | GOSHI | BCOT | GOSHI | BCOT | GOSHI | BCOT | GOSHI | BCOT | GOSHI | BCOT |
| Stage Scale Used: | PLANTED | 1 LF | 3-4 LF | 4 LF | 5-7 LF | 8-9 NODES | 10-12NODE | 11-13NODE | | | | |
| Height, Unit: | | | | | 7 | IN | 20 | IN | 27 | IN | | |
| Crop 2 Code, BBCH Scale: | GOSHI | BCOT | GOSHI | BCOT | GOSHI | BCOT | GOSHI | BCOT | GOSHI | BCOT | GOSHI | BCOT |
| Stage Scale Used: | PLANTED | 1 LF | 3-4 LF | 4 LF | 5-7 LF | 8-9 NODES | 10-12NODE | 11-13NODE | | | | |
| Height, Unit: | | | | | 7 | IN | 20 | IN | 27 | IN | | |

| Pest Stage At Each Application | | | | | | | | | | | | |
|--------------------------------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | A | B | C | D | E | F | G | H | | | | |
| Pest 1 Code, Disc., Scale: | AMBEL | WAMBEL | W AMBEL | W AMBEL | W AMBEL | W AMBEL | W AMBEL | W AMBEL | W AMBEL | W AMBEL | W AMBEL | W AMBEL |
| Height, Unit: | | 2 | IN 8 | IN 7 | IN | | | | | | | |
| Pest 2 Code, Disc., Scale: | PANTE | WPANTE | W PANTE | W PANTE | W PANTE | W PANTE | W PANTE | W PANTE | W PANTE | W PANTE | W PANTE | W PANTE |
| Diameter, Unit: | | 1 | IN | | | | | | | | | |
| Pest 3 Code, Disc., Scale: | CYPES | WCYPES | W CYPES | W CYPES | W CYPES | W CYPES | W CYPES | W CYPES | W CYPES | W CYPES | W CYPES | W CYPES |
| Height, Unit: | | 2 | IN 5 | IN 7 | IN 5 | IN 4 | IN 3 | IN | | | | |
| Pest 4 Code, Disc., Scale: | CHEAL | WCHEAL | W CHEAL | W CHEAL | W CHEAL | W CHEAL | W CHEAL | W CHEAL | W CHEAL | W CHEAL | W CHEAL | W CHEAL |
| Height, Unit: | | 2 | IN 6 | IN | | | | | | | | |
| Pest 5 Code, Disc., Scale: | ANVCR | WANVCR | W ANVCR | W ANVCR | W ANVCR | W ANVCR | W ANVCR | W ANVCR | W ANVCR | W ANVCR | W ANVCR | W ANVCR |
| Diameter, Unit: | | | 3 | LF | | | | | | | | |
| Pest 6 Code, Disc., Scale: | MOLVE | WMOLVE | W MOLVE | W MOLVE | W MOLVE | W MOLVE | W MOLVE | W MOLVE | W MOLVE | W MOLVE | W MOLVE | W MOLVE |
| Diameter, Unit: | | | 3 | IN 3 | IN | | 3 | IN | | | | |
| Pest 7 Code, Disc., Scale: | IPOLA | WIPOLA | W IPOLA | W IPOLA | W IPOLA | W IPOLA | W IPOLA | W IPOLA | W IPOLA | W IPOLA | W IPOLA | W IPOLA |
| Coverage, Unit: | | | 3 | LF 2 | LF | | 2 | LF 1 | LF | | | |
| Pest 8 Code, Disc., Scale: | IPOHG | WIPOHG | W IPOHG | W IPOHG | W IPOHG | W IPOHG | W IPOHG | W IPOHG | W IPOHG | W IPOHG | W IPOHG | W IPOHG |
| Coverage, Unit: | | | 3 | LF 2 | F | | 2 | LF 1 | LF | | | |
| Pest 9 Code, Disc., Scale: | ELEIN | WELEIN | W ELEIN | W ELEIN | W ELEIN | W ELEIN | W ELEIN | W ELEIN | W ELEIN | W ELEIN | W ELEIN | W ELEIN |
| Diameter, Unit: | | | | 4 | IN | | | | | | | |

| Application Equipment | | | | | | | | | | | |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|--|
| | A | B | C | D | E | F | G | H | | | |
| Appl. Equipment: | TRACTOR | TRACTOR | TRACTOR | TRACTOR | UNI-CYCLE | TRACTOR | TRACTOR | UNI-CYCLE | | | |
| Operating Pressure: | 32 | 32 | 32 | 32 | 26 | 32 | 32 | 26 | | | |
| Pressure Unit: | PSI | PSI | PSI | PSI | PSI | PSI | PSI | PSI | | | |
| Nozzle Type: | FLAT FAN | FLAT FAN | FLAT FAN | FLAT FAN | FLAT FAN | FLAT FAN | FLAT FAN | FLAT FAN | | | |
| Nozzle Size: | XR8002VS | XR8002VS | XR8002VS | XR8002VS | 11003VS | XR8002VS | XR8002VS | 11003VS | | | |
| Nozzle Spacing, Unit: | 18 IN | 18 IN | 18 IN | 18 IN | 18 IN | 18 IN | 18 IN | 18 IN | | | |
| Boom Length, Unit: | 12 FT | 12 FT | 12 FT | 12 FT | 6 FT | 12 FT | 12 FT | 12 FT | | | |
| Boom Height, Unit: | 18 IN | 18 IN | 18 IN | 18 IN | 18 IN | 18 IN | 18 IN | 28 IN | | | |
| Ground Speed, Unit: | 3 MPH | 3 MPH | 3 MPH | 3 MPH | 3 MPH | 3 MPH | 3 MPH | 3 MPH | | | |
| Carrier: | WATER | WATER | WATER | WATER | WATER | WATER | WATER | WATER | | | |
| Spray Volume: | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 25 | | | |
| Volume Unit: | GAL/AC | GAL/AC | GAL/AC | GAL/AC | GAL/AC | GAL/AC | GAL/AC | GAL/AC | | | |
| Propellant: | COMP. AIR | COMP. AIR | COMP. AIR | COMP. AIR | CO2 | COMP. AIR | COMP. AIR | CO2 | | | |
| Tank Mix (Y/N): | Y | Y | Y | Y | Y | Y | Y | Y | | | |

Date 07-Jun-2005 By Notes Plot 304 - no Dual Magnum applied.