

LSU Northeast Research Station

Roundup verses Accent for weed control in corn.

Trial ID: SJ05C007
Location:Study Dir.:
Investigator: Bill Williams**GENERAL TRIAL INFORMATION****Investigator:** Bill Williams**Conducted Under GLP (Y/N):** N**Conducted Under GEP (Y/N):** N

Conclusions: Early in the season, sequential applications of Roundup or Steadfast followed by Accent resulted in slightly (< 10%) signalgrass control compared to sequential applications of Accent. Accent at 0.4 oz/A followed by 0.3 oz/A Accent generally resulted in superior weed control than two applications of Accent at 0.35 oz/A. Tank mixing both Roundup and Accent with atrazine improved overall weed control. The highest corn yields (180 bu/A) were observed in plots treated with Steadfast and followed by Accent. Sequential applications of Accent resulted in corn yield equal to or greater than sequential applications of Roundup.

CROP AND WEED DESCRIPTION

| Weed Code | Common Name | Scientific Name |
|-----------|------------------------------|------------------------|
| 1. | BRAPP Signalgrass, broadleaf | Brachiaria platyphylla |
| 2. | SORHA Johnson grass | Sorghum halepense |
| 3. | AMARE Pigweed, redroot | Amaranthus retroflexus |
| 4. | CASOB Sicklepod | Cassia tora |
| 5. | SIDSP Teaweed | Sida spinosa |

Crop 1: ZEAMX CORN, FIELD**Variety:** Genesis 2A16RR**Planting Date:** 4/14/05**Rate:** 30000 LB/A**Depth:** 2 "**Row Spacing:** 40 "**Seed Bed:** FINE**Soil Moisture:** DRY**Emergence Date:** 4/21/05**SITE AND DESIGN****Plot Width, Unit:** 13.3 FT**Plot Length, Unit:** 30 FT**Reps:** 3**Site Type:** FIELD**Tillage Type:** CONVENTIONAL-TILL**Study Design:** RANDOMIZED COMPLETE BLOCK**SOIL DESCRIPTION**

| | | |
|------------|-----------|------------------------|
| % Sand: 34 | % OM: 0.6 | Texture: silt loam |
| % Silt: 54 | pH: 5.3 | Soil Name: Commerce |
| % Clay: 12 | CEC: 6.3 | Fert. Level: EXCELLENT |

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MOISTURE CONDITIONS

| | Date | Time | Amount | Unit | Type | Interval | Unit |
|-----|---------|---------|--------|------|----------|----------|------|
| 1. | 4/26/05 | 3:00 AM | 1.04 | in | Rainfall | 0 | n/a |
| 2. | 4/27/05 | 8:30 AM | 0.04 | in | Rainfall | 0 | n/a |
| 3. | 4/30/05 | 3:00 AM | 0.21 | in | Rainfall | 0 | n/a |
| 4. | 5/10/05 | 6:30 PM | 0.25 | in | Rainfall | 0 | n/a |
| 5. | 5/15/05 | 5:30 PM | 0.46 | in | Rainfall | 0 | n/a |
| 6. | 5/25/05 | 8:00 PM | 0.78 | in | Rainfall | 0 | n/a |
| 7. | 5/29/05 | 1:00 AM | 0.63 | in | Rainfall | 0 | n/a |
| 8. | 5/30/05 | 11:00 A | 1.51 | in | Rainfall | 0 | n/a |
| 9. | 5/31/05 | 8:00 PM | 0.26 | in | Rainfall | 0 | n/a |
| 10. | 6/2/05 | 4:00 PM | 0.04 | in | Rainfall | 0 | n/a |
| 11. | 6/6/05 | 7:00 PM | 0.39 | in | Rainfall | 0 | n/a |
| 12. | 6/18/05 | 11:00 A | 0.42 | in | Rainfall | 0 | n/a |
| 13. | 7/3/04 | 6:00 PM | 0.06 | in | Rainfall | 0 | n/a |
| 14. | 7/6/05 | 1:30 PM | 1.6 | in | Rainfall | 0 | n/a |
| 15. | 7/8/05 | 1:45 PM | 0.93 | in | Rainfall | 0 | n/a |
| 16. | 7/10/05 | 1:00 PM | 0.04 | in | Rainfall | 0 | n/a |
| 17. | 7/14/05 | 2:00 PM | 0.44 | in | Rainfall | 0 | n/a |
| 18. | 7/16/05 | 10:00 P | 0.04 | in | Rainfall | 0 | n/a |
| 19. | 7/17/05 | 1:00 PM | 0.25 | in | Rainfall | 0 | n/a |
| 20. | 7/18/05 | 7:00 PM | 0.05 | in | Rainfall | 0 | n/a |
| 21. | 7/22/05 | 2:30 PM | 0.15 | in | Rainfall | 0 | n/a |
| 22. | 8/4/05 | 3:30 PM | 0.27 | in | Rainfall | 0 | n/a |
| 23. | 8/5/05 | 8:00 PM | 0.45 | in | Rainfall | 0 | n/a |
| 24. | 8/6/05 | 6:00 PM | 0.25 | in | Rainfall | 0 | n/a |
| 25. | 8/16/05 | 6:00 PM | 1.31 | in | Rainfall | 0 | n/a |
| 26. | 8/22/05 | 9:00 PM | 0.05 | in | Rainfall | 0 | n/a |

Overall Moisture Conditions: Dry

Closest Weather Station: Northeast Research Station

Distance: 0.5

Unit: mi

APPLICATION DESCRIPTION

| | A | B |
|-----------------------------|---------|---------|
| Application Date: | 4/20/05 | 5/10/05 |
| Time of Day: | 3:00 | 1:30 |
| Application Method: | SPRAY | SPRAY |
| Application Timing: | EPOST | LPOST |
| Applic. Placement: | BROFOL | BROFOL |
| Air Temp., Unit: | 84 F | 93 F |
| % Relative Humidity: | 46 | 48 |
| Wind Velocity, Unit: | 6 S | 1 W |
| Soil Temp., Unit: | 82 F | 89 F |
| Soil Moisture: | dry | wet |
| % Cloud Cover: | 60 | 0 |

CROP STAGE AT EACH APPLICATION

| | A | B |
|----------------------------|----------|----------|
| Crop 1 Code, Stage: | ZEAMX V2 | ZEAMX V6 |
| Stage Scale: | 3-4 in | 18-24 in |

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WEED STAGE AT EACH APPLICATION

| | A | B |
|----------------------------|--------------|-------------|
| Weed 1 Code, Stage: | BRAPP 2-3 lf | BRAPP 2-3 T |
| Stage Scale: | 1-2 in | 4-6 in |
| Weed 2 Code, Stage: | SORHA n/a | SORHA n/a |
| Stage Scale: | 4-6 in | 24 in |
| Weed 3 Code, Stage: | AMARE 1-2 lf | AMARE n/a |
| Stage Scale: | 1 in | 4-6 in |
| Weed 4 Code, Stage: | CASOB cot | CASOB n/a |
| Stage Scale: | 0.5 in | 4-8 in |
| Weed 5 Code, Stage: | SIDSP n/a | SIDSP n/a |
| Stage Scale: | n/a | 2-4 in |

APPLICATION EQUIPMENT

| | A | B |
|------------------------------|----------|----------|
| Appl. Equipment: | Tractor | Tractor |
| Operating Pressure: | 34 | 34 |
| Nozzle Type: | Ven | Ven |
| Nozzle Size: | 11002 | 11002 |
| Nozzle Spacing, Unit: | 20 " | 20 " |
| Nozzles/Row: | 2 | 2 |
| Carrier: | Water | Water |
| Spray Volume, Unit: | 15 GPA | 15 GPA |
| Propellant: | CO2 | CO2 |

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Roundup verses Accent for weed control in corn.

Trial ID: SJ05C007
 Location:

Study Dir.:
 Investigator: Bill Williams

| | | | | |
|--------------------|----------|----------|----------|----------|
| Weed Code | BRAPP | BRAPP | BRAPP | BRAPP |
| Crop Code | | | | |
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | % | % | % | % |
| Rating Date | 4/28/05 | 5/11/05 | 5/26/05 | 7/27/05 |
| Trt-Eval Interval | 8 DA-A | 21 DA-A | 16 DA-B | 78 DA-B |
| ARM Action Codes | | | | |
| # Subsamples, Dec. | | | | |

| Trt No. | Treatment Name | Rate | Rate Unit | Grow Stg | 1 | 2 | 3 | 4 | |
|---------|--------------------|------|-----------|----------|----|-------|-------|------|---|
| 1 | Roundup Weathermax | 21 | OZ/A | EPOST | 88 | ab 85 | ab 85 | a 87 | a |
| | Roundup Weathermax | 16 | OZ/A | LPOST | | | | | |
| 2 | Accent | 0.4 | OZ/A | EPOST | 77 | c 77 | b 85 | a 85 | a |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.3 | OZ/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 3 | Roundup Weathermax | 21 | OZ/A | EPOST | 93 | a 87 | ab 93 | a 90 | a |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Roundup Weathermax | 16 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| 4 | Accent | 0.4 | OZ/A | EPOST | 80 | bc 83 | ab 83 | a 92 | a |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.3 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 5 | Accent | 0.4 | OZ/A | EPOST | 57 | d 60 | c 78 | a 92 | a |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.4 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 6 | Accent | 0.35 | OZ/A | EPOST | 60 | d 75 | b 82 | a 85 | a |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.35 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |

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| Weed Code | | | BRAPP | BRAPP | BRAPP | BRAPP |
|--------------------|-----------|-----------|----------|----------|----------|----------|
| Crop Code | | | | | | |
| Part Rated | | | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | | | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | | | % | % | % | % |
| Rating Date | | | 4/28/05 | 5/11/05 | 5/26/05 | 7/27/05 |
| Trt-Eval Interval | | | 8 DA-A | 21 DA-A | 16 DA-B | 78 DA-B |
| ARM Action Codes | | | | | | |
| # Subsamples, Dec. | | | | | | |
| Trt | Treatment | Rate | Grow | | | |
| No. | Name | Rate Unit | Stg | 1 | 2 | 3 |
| 7 | Steadfast | 0.5 OZ/A | EPOST | 88 | ab 95 | a 92 |
| | Atrazine | 1.0 QT/A | EPOST | | | a 88 |
| | Herbimax | 1 % V/V | EPOST | | | a |
| | Accent | 0.3 OZ/A | LPOST | | | |
| | Atrazine | 1.0 QT/A | LPOST | | | |
| | Herbimax | 1 % V/V | LPOST | | | |
| 8 | Untreated | | | 0 | e 0 | d 0 |
| | | | | | | b 0 |
| | | | | | | b |
| LSD (P=.05) | | | | 10.3 | 15.0 | 15.3 |
| Bartlett's X2 | | | | 8.502 | 7.381 | 8.467 |
| P(Bartlett's X2) | | | | 0.075 | 0.117 | 0.206 |
| | | | | | | 0.252 |

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

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

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| | | | | |
|--------------------|----------|----------|----------|----------|
| Weed Code | SORHA | SORHA | SORHA | AMARE |
| Crop Code | | | | |
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | % | % | % | % |
| Rating Date | 4/28/05 | 5/11/05 | 7/27/05 | 4/28/05 |
| Trt-Eval Interval | 8 DA-A | 21 DA-A | 78 DA-B | 8 DA-A |
| ARM Action Codes | | | | |
| # Subsamples, Dec. | | | | |

| Trt No. | Treatment Name | Rate | Unit | Grow Stg | 5 | 6 | 7 | 8 | |
|---------|--------------------|------|-------|----------|----|-------|------|------|----|
| 1 | Roundup Weathermax | 21 | OZ/A | EPOST | 92 | ab 87 | a 92 | a 92 | ab |
| | Roundup Weathermax | 16 | OZ/A | LPOST | | | | | |
| 2 | Accent | 0.4 | OZ/A | EPOST | 87 | bc 90 | a 88 | a 83 | cd |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.3 | OZ/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 3 | Roundup Weathermax | 21 | OZ/A | EPOST | 87 | bc 87 | a 93 | a 95 | a |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Roundup Weathermax | 16 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| 4 | Accent | 0.4 | OZ/A | EPOST | 80 | d 87 | a 93 | a 95 | a |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.3 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 5 | Accent | 0.4 | OZ/A | EPOST | 83 | cd 87 | a 93 | a 88 | bc |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.4 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 6 | Accent | 0.35 | OZ/A | EPOST | 60 | e 77 | b 92 | a 80 | d |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.35 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 7 | Steadfast | 0.5 | OZ/A | EPOST | 93 | a 90 | a 93 | a 95 | a |
| | Atrazine | 1.0 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.3 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |

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| | | | | |
|--------------------|----------|----------|----------|----------|
| Weed Code | SORHA | SORHA | SORHA | AMARE |
| Crop Code | | | | |
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | % | % | % | % |
| Rating Date | 4/28/05 | 5/11/05 | 7/27/05 | 4/28/05 |
| Trt-Eval Interval | 8 DA-A | 21 DA-A | 78 DA-B | 8 DA-A |
| ARM Action Codes | | | | |
| # Subsamples, Dec. | | | | |

| Trt | Treatment | Rate | Grow | | | | |
|------------------|-----------|-----------|------|-------|-------|-------|-------|
| No. | Name | Rate Unit | Stg | 5 | 6 | 7 | 8 |
| 8 | Untreated | | | 0 | f 0 | c 0 | b 0 e |
| LSD (P=.05) | | | | 5.9 | 9.1 | 6.5 | 6.0 |
| Bartlett's X2 | | | | 2.127 | 1.023 | 4.295 | 1.566 |
| P(Bartlett's X2) | | | | 0.712 | 0.985 | 0.637 | 0.457 |

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

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

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| | | | | |
|--------------------|----------|----------|----------|----------|
| Weed Code | AMARE | AMARE | CASOB | CASOB |
| Crop Code | | | | |
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | % | % | % | % |
| Rating Date | 5/11/05 | 5/26/05 | 5/11/05 | 5/26/05 |
| Trt-Eval Interval | 21 DA-A | 16 DA-B | 21 DA-A | 16 DA-B |
| ARM Action Codes | | | | |
| # Subsamples, Dec. | | | | |

| Trt No. | Treatment Name | Rate | Unit | Grow Stg | 9 | 10 | 11 | 12 | |
|---------|--------------------|------|-------|----------|----|-------|-------|-------|---|
| 1 | Roundup Weathermax | 21 | OZ/A | EPOST | 95 | a 90 | ab 93 | ab 95 | a |
| | Roundup Weathermax | 16 | OZ/A | LPOST | | | | | |
| 2 | Accent | 0.4 | OZ/A | EPOST | 90 | b 88 | b 88 | b 78 | b |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.3 | OZ/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 3 | Roundup Weathermax | 21 | OZ/A | EPOST | 95 | a 93 | ab 95 | a 95 | a |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Roundup Weathermax | 16 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| 4 | Accent | 0.4 | OZ/A | EPOST | 95 | a 95 | a 95 | a 95 | a |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.3 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 5 | Accent | 0.4 | OZ/A | EPOST | 93 | ab 95 | a 93 | ab 95 | a |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.4 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 6 | Accent | 0.35 | OZ/A | EPOST | 95 | a 95 | a 95 | a 95 | a |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.35 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 7 | Steadfast | 0.5 | OZ/A | EPOST | 95 | a 95 | a 95 | a 95 | a |
| | Atrazine | 1.0 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.3 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |

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| | | | | |
|--------------------|----------|----------|----------|----------|
| Weed Code | AMARE | AMARE | CASOB | CASOB |
| Crop Code | | | | |
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | % | % | % | % |
| Rating Date | 5/11/05 | 5/26/05 | 5/11/05 | 5/26/05 |
| Trt-Eval Interval | 21 DA-A | 16 DA-B | 21 DA-A | 16 DA-B |
| ARM Action Codes | | | | |
| # Subsamples, Dec. | | | | |

| Trt | Treatment | Rate | Grow | | | | |
|------------------|-----------|-----------|------|-------|-------|-------|------|
| No. | Name | Rate Unit | Stg | 9 | 10 | 11 | 12 |
| 8 | Untreated | | | 0 | c 0 | c 0 | c 0 |
| LSD (P=.05) | | | | 3.6 | 6.5 | 5.4 | 10.9 |
| Bartlett's X2 | | | | 0.558 | 1.966 | 2.558 | 0.0 |
| P(Bartlett's X2) | | | | 0.455 | 0.374 | 0.278 | . |

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

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

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| | | | | |
|--------------------|----------|----------|----------|----------|
| Weed Code | CASOB | SIDSP | SIDSP | SIDSP |
| Crop Code | | | | |
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | % | % | % | % |
| Rating Date | 7/27/05 | 5/11/05 | 5/26/05 | 7/27/05 |
| Trt-Eval Interval | 78 DA-B | 21 DA-A | 16 DA-B | 78 DA-B |
| ARM Action Codes | | | | |
| # Subsamples, Dec. | | | | |

| Trt No. | Treatment Name | Rate | Unit | Grow Stg | 13 | 14 | 15 | 16 | |
|---------|--------------------|------|-------|----------|----|-------|------|------|---|
| 1 | Roundup Weathermax | 21 | OZ/A | EPOST | 93 | ab 95 | a 92 | b 87 | a |
| | Roundup Weathermax | 16 | OZ/A | LPOST | | | | | |
| 2 | Accent | 0.4 | OZ/A | EPOST | 87 | b 73 | c 0 | c 0 | b |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.3 | OZ/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 3 | Roundup Weathermax | 21 | OZ/A | EPOST | 92 | ab 95 | a 95 | a 63 | a |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Roundup Weathermax | 16 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| 4 | Accent | 0.4 | OZ/A | EPOST | 95 | a 95 | a 95 | a 83 | a |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.3 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 5 | Accent | 0.4 | OZ/A | EPOST | 95 | a 88 | b 95 | a 63 | a |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.4 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 6 | Accent | 0.35 | OZ/A | EPOST | 92 | ab 95 | a 95 | a 92 | a |
| | Atrazine | 1.5 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.35 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |
| 7 | Steadfast | 0.5 | OZ/A | EPOST | 92 | ab 95 | a 95 | a 87 | a |
| | Atrazine | 1.0 | QT/A | EPOST | | | | | |
| | Herbimax | 1 | % V/V | EPOST | | | | | |
| | Accent | 0.3 | OZ/A | LPOST | | | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | | | |
| | Herbimax | 1 | % V/V | LPOST | | | | | |

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| Weed Code | CASOB | SIDSP | SIDSP | SIDSP |
|--------------------|-----------|----------|----------|----------|
| Crop Code | | | | |
| Part Rated | PLATOT P | PLATOT P | PLATOT P | PLATOT P |
| Rating Data Type | CONTROL | CONTROL | CONTROL | CONTROL |
| Rating Unit | % | % | % | % |
| Rating Date | 7/27/05 | 5/11/05 | 5/26/05 | 7/27/05 |
| Trt-Eval Interval | 78 DA-B | 21 DA-A | 16 DA-B | 78 DA-B |
| ARM Action Codes | | | | |
| # Subsamples, Dec. | | | | |
| Trt Treatment | Rate | Grow | | |
| No. Name | Rate Unit | Stg | 13 | 14 |
| 8 Untreated | | | 0 | c 0 |
| | | | d 0 | c 0 |
| | | | | b |
| LSD (P=.05) | 6.8 | 5.6 | 1.8 | 40.8 |
| Bartlett's X2 | 1.799 | 0.15 | 0.0 | 16.21 |
| P(Bartlett's X2) | 0.773 | 0.699 | . | 0.006* |

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

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

LSU Northeast Research Station

Weed Code
 Crop Code ZEAMX ZEAMX ZEAMX
 Part Rated PLATOT C GRAIN C GRAIN C
 Rating Data Type PHYGEN Lb/plt Bu/A
 Rating Unit % 14% 15% mst
 Rating Date 4/28/05 9/2/05 9/2/05
 Trt-Eval Interval 8 DA-A
 ARM Action Codes TY1
 # Subsamples, Dec. 0

| Trt No. | Treatment Name | Rate | Unit | Grow Stg | 17 | 18 | 19 |
|---------|--------------------|------|-------|----------|----|-------|--------|
| 1 | Roundup Weathermax | 21 | OZ/A | EPOST | 0 | b 23 | b 145 |
| | Roundup Weathermax | 16 | OZ/A | LPOST | | | |
| 2 | Accent | 0.4 | OZ/A | EPOST | 7 | ab 28 | a 174 |
| | Herbimax | 1 | % V/V | EPOST | | | |
| | Accent | 0.3 | OZ/A | LPOST | | | |
| | Herbimax | 1 | % V/V | LPOST | | | |
| 3 | Roundup Weathermax | 21 | OZ/A | EPOST | 0 | b 27 | ab 170 |
| | Atrazine | 1.5 | QT/A | EPOST | | | |
| | Roundup Weathermax | 16 | OZ/A | LPOST | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | |
| 4 | Accent | 0.4 | OZ/A | EPOST | 10 | a 29 | a 178 |
| | Atrazine | 1.5 | QT/A | EPOST | | | |
| | Herbimax | 1 | % V/V | EPOST | | | |
| | Accent | 0.3 | OZ/A | LPOST | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | |
| | Herbimax | 1 | % V/V | LPOST | | | |
| 5 | Accent | 0.4 | OZ/A | EPOST | 0 | b 28 | a 176 |
| | Atrazine | 1.5 | QT/A | EPOST | | | |
| | Herbimax | 1 | % V/V | EPOST | | | |
| | Accent | 0.4 | OZ/A | LPOST | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | |
| | Herbimax | 1 | % V/V | LPOST | | | |
| 6 | Accent | 0.35 | OZ/A | EPOST | 2 | b 26 | ab 161 |
| | Atrazine | 1.5 | QT/A | EPOST | | | |
| | Herbimax | 1 | % V/V | EPOST | | | |
| | Accent | 0.35 | OZ/A | LPOST | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | |
| | Herbimax | 1 | % V/V | LPOST | | | |
| 7 | Steadfast | 0.5 | OZ/A | EPOST | 12 | a 29 | a 180 |
| | Atrazine | 1.0 | QT/A | EPOST | | | |
| | Herbimax | 1 | % V/V | EPOST | | | |
| | Accent | 0.3 | OZ/A | LPOST | | | |
| | Atrazine | 1.0 | QT/A | LPOST | | | |
| | Herbimax | 1 | % V/V | LPOST | | | |

LSU Northeast Research Station

| | | | |
|--------------------|----------|---------|---------|
| Weed Code | | | |
| Crop Code | ZEAMX | ZEAMX | ZEAMX |
| Part Rated | PLATOT C | GRAIN C | GRAIN C |
| Rating Data Type | PHYGEN | Lb/plt | Bu/A |
| Rating Unit | % | 14% | 15% mst |
| Rating Date | 4/28/05 | 9/2/05 | 9/2/05 |
| Trt-Eval Interval | 8 DA-A | | |
| ARM Action Codes | | | TY1 |
| # Subsamples, Dec. | | | 0 |

| Trt | Treatment | Rate | Grow | | | | | |
|------------------|-----------|-----------|------|-------|--------|--------|---|--|
| No. | Name | Rate Unit | Stg | | | | | |
| 8 | Untreated | | | 17 | 18 | 19 | | |
| | | | | 0 | b 12 | c 75 | c | |
| LSD (P=.05) | | | | 7.8 | 4.3 | 26.7 | | |
| Bartlett's X2 | | | | 1.941 | 14.711 | 14.711 | | |
| P(Bartlett's X2) | | | | 0.585 | 0.04* | 0.04* | | |

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

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

Column 19: TY1 = 6.210119*[18]