

Herbicide-resistant waterhemp control with overlapping residuals

Trial ID: SB06-19 Study Dir.: Sprague, Powell, Stiles
 Conducted: Isabella Co. Investigator: Christy Sprague

Planting Date: Jul-8-2019 **Row Spacing:** 30 IN
Variety: Crystal G675 **No. of Reps:** 4
Population: 4.25 " Spacing **% OM:** 2.5
Soil Type: SL sandy loam **pH:** 7.1
Plot Size: 10 X 25 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: Spring disked and cultimulched
Fertilizer:

Crop and Weed Description

| Weed | Code | Common Name | Scientific Name |
|------|-------|-----------------|-------------------------|
| 1 | AMATU | waterhemp, tall | Amaranthus tuberculatus |
| Crop | Code | Common Name | |
| 1 | BETVU | Sugarbeet | |

Application Description

| | A | B | C |
|---------------------------------------|------------|-------------|------------|
| Application Timing: | PRE | POST | LPOS |
| Date Treated: | Jul-8-2019 | Jul-25-2019 | Aug-7-2019 |
| Time Treated: | 2:00 PM | 2:07 PM | 10:00 AM |
| % Cloud Cover: | 25 | 70 | 60 |
| Air Temp., Unit: | 76 F | 83 F | 72 F |
| % Relative Humidity: | 41 | 44 | 75 |
| Wind Speed/Unit/Dir: | 5 mph NE | 5 mph NW | 9 mph NW |
| Soil Temp, Unit: | 78 F | 76 F | 73 F |
| Leaf Moist/Dew Presence (Y/N): | 5 | 5 | 2 |
| Soil Moist: | 5 | 4 | 2 |

Crop Stage at Each Application

| | A | B | C |
|---------------------|-------|-------|-------|
| Crop 1 Name: | BETVU | BETVU | BETVU |
| Height: | | 1.5 " | 5 " |
| Stage: | | 2L | 8L |

Weed Stage at Each Application

| | A | B | C |
|---------------------|-------|-------|-----------|
| Weed 1 Name: | AMATU | AMATU | AMATU |
| Height: | | 2 " | 2-8 " (5) |
| Stage: | | 6L | 6-18L |

Weed Density

1
Date: Jul-25-2019
Weed Name: AMATU
Density: 23 FT²

Application Equipment

| Appl | Sprayer Type | Ground Speed | Nozzle Type | Nozzle Size | Nozzle Height | Nozzle Spacing | Boom Width | Spray Volume | Carrier | Operation Pressure |
|------|--------------|--------------|-------------|-------------|---------------|----------------|------------|--------------|---------|--------------------|
| A | CUB | 3.8 mph | AIXR | 11003 | 22 " | 20 " | 120 " | 19 GPA | WATER | 30 PSI |
| B | CUB | 3.8 mph | AIXR | 11003 | 24 " | 20 " | 100 " | 19 GPA | WATER | 30 PSI |
| C | CUB | 3.8 mph | AIXR | 11003 | 27 " | 20 " | 100 " | 19 GPA | WATER | 30 PSI |

Comments: Sugarbeet injury was not evaluated in this trial due to variable emergence. The waterhemp population at this location is Group 9 (glyphosate) and Group 2 (ALS) resistant.

Herbicide-resistant waterhemp control with overlapping residuals

Trial ID: SB06-19

Location: Isabella Co.

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

| Pest Code | AMATU | AMATU | AMATU | AMATU |
|--------------------|-------------|-------------|------------|-------------|
| Crop Type, Code | BETVU | | | |
| Rating Date | Jul-30-2019 | Jul-30-2019 | Aug-8-2019 | Aug-14-2019 |
| Rating Type | injury | control | control | control |
| Rating Unit | percent | percent | percent | percent |
| Trt-Eval Interval | 22 DA-A | 22 DA-A | 14 DA-B | 7 DA-C |
| Number of Decimals | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Appl Code | | | | | |
|---------|------------------|-----------|-----------|---------------|-----------|-------------|-----------|----|----|----|----|----|
| 1 | Roundup PowerMax | 4.5 | SL | 32 fl oz/a | | 2 leaf | B | 0 | 4 | 3 | 0 | 20 |
| 1 | AMS | | WG | 17 lb/100 gal | | 2 leaf | B | | | | | |
| 1 | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | | 6-8 leaf | C | | | | | |
| 1 | AMS | | WG | 17 lb/100 gal | | 6-8 leaf | C | | | | | |
| 2 | Dual II Magnum | 7.64 | L | 1 pt/a | | 2 leaf | B | 2 | 11 | 9 | 18 | 39 |
| 2 | Roundup PowerMax | 4.5 | SL | 32 fl oz/a | | 2 leaf | B | | | | | |
| 2 | AMS | | WG | 17 lb/100 gal | | 2 leaf | B | | | | | |
| 2 | Dual II Magnum | 7.64 | L | 1 pt/a | | 6-8 leaf | C | | | | | |
| 2 | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | | 6-8 leaf | C | | | | | |
| 2 | AMS | | WG | 17 lb/100 gal | | 6-8 leaf | C | | | | | |
| 3 | Warrant | 3 | L | 3 pt/a | | 2 leaf | B | 3 | 14 | 30 | 45 | 43 |
| 3 | Roundup PowerMax | 4.5 | SL | 32 fl oz/a | | 2 leaf | B | | | | | |
| 3 | AMS | | WG | 17 lb/100 gal | | 2 leaf | B | | | | | |
| 3 | Warrant | 3 | L | 3 pt/a | | 6-8 leaf | C | | | | | |
| 3 | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | | 6-8 leaf | C | | | | | |
| 3 | AMS | | WG | 17 lb/100 gal | | 6-8 leaf | C | | | | | |
| 4 | Outlook | 6 | L | 12 fl oz/a | | 2 leaf | B | 2 | 10 | 13 | 28 | 40 |
| 4 | Roundup PowerMax | 4.5 | SL | 32 fl oz/a | | 2 leaf | B | | | | | |
| 4 | AMS | | WG | 17 lb/100 gal | | 2 leaf | B | | | | | |
| 4 | Outlook | 6 | L | 12 fl oz/a | | 6-8 leaf | C | | | | | |
| 4 | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | | 6-8 leaf | C | | | | | |
| 4 | AMS | | WG | 17 lb/100 gal | | 6-8 leaf | C | | | | | |
| 5 | Ethofumesate | 4 | L | 2 pt/a | | PRE | A | 16 | 85 | 61 | 65 | 68 |
| 5 | Dual II Magnum | 7.64 | L | 1 pt/a | | 2 leaf | B | | | | | |
| 5 | Roundup PowerMax | 4.5 | SL | 32 fl oz/a | | 2 leaf | B | | | | | |
| 5 | AMS | | WG | 17 lb/100 gal | | 2 leaf | B | | | | | |
| 5 | Dual II Magnum | 7.64 | L | 1 pt/a | | 6-8 leaf | C | | | | | |
| 5 | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | | 6-8 leaf | C | | | | | |
| 5 | AMS | | WG | 17 lb/100 gal | | 6-8 leaf | C | | | | | |
| 6 | Ethofumesate | 4 | L | 2 pt/a | | PRE | A | 18 | 88 | 82 | 86 | 93 |
| 6 | Warrant | 3 | L | 3 pt/a | | 2 leaf | B | | | | | |
| 6 | Roundup PowerMax | 4.5 | SL | 32 fl oz/a | | 2 leaf | B | | | | | |
| 6 | AMS | | WG | 17 lb/100 gal | | 2 leaf | B | | | | | |
| 6 | Warrant | 3 | L | 3 pt/a | | 6-8 leaf | C | | | | | |
| 6 | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | | 6-8 leaf | C | | | | | |
| 6 | AMS | | WG | 17 lb/100 gal | | 6-8 leaf | C | | | | | |
| 7 | Ethofumesate | 4 | L | 2 pt/a | | PRE | A | 17 | 84 | 71 | 75 | 78 |
| 7 | Outlook | 6 | L | 12 fl oz/a | | 2 leaf | B | | | | | |
| 7 | Roundup PowerMax | 4.5 | SL | 32 fl oz/a | | 2 leaf | B | | | | | |
| 7 | AMS | | WG | 17 lb/100 gal | | 2 leaf | B | | | | | |
| 7 | Outlook | 6 | L | 12 fl oz/a | | 6-8 leaf | C | | | | | |
| 7 | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | | 6-8 leaf | C | | | | | |
| 7 | AMS | | WG | 17 lb/100 gal | | 6-8 leaf | C | | | | | |

Herbicide-resistant waterhemp control with overlapping residuals

Trial ID: SB06-19

Location: Isabella Co.

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

| | | | | | |
|--------------------|-------------|-------------|------------|-------------|-------------|
| Pest Code | | AMATU | AMATU | AMATU | AMATU |
| Crop Type, Code | BETVU | | | | |
| Rating Date | Jul-30-2019 | Jul-30-2019 | Aug-8-2019 | Aug-14-2019 | Aug-21-2019 |
| Rating Type | injury | control | control | control | control |
| Rating Unit | percent | percent | percent | percent | percent |
| Trt-Eval Interval | 22 DA-A | 22 DA-A | 14 DA-B | 7 DA-C | 14 DA-C |
| Number of Decimals | 0 | 0 | 0 | 0 | 0 |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Appl Code | | | | | |
|--------------------|------------------|-----------|-----------|------|------------|-------------|-----------|-------|-------|-------|-------|-------|
| 8 | Ethofumesate | 4 | L | 2 | pt/a | PRE | A | 14 | 86 | 75 | 83 | 88 |
| 8 | Ethofumesate | 4 | L | 2 | pt/a | 2 leaf | B | | | | | |
| 8 | Roundup PowerMax | 4.5 | SL | 32 | fl oz/a | 2 leaf | B | | | | | |
| 8 | Destiny HC | | L | 1.5 | pt/a | 2 leaf | B | | | | | |
| 8 | AMS | | WG | 17 | lb/100 gal | 2 leaf | B | | | | | |
| 8 | Ethofumesate | 4 | L | 2 | pt/a | 6-8 leaf | C | | | | | |
| 8 | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | 6-8 leaf | C | | | | | |
| 8 | Destiny HC | | L | 1.5 | pt/a | 6-8 leaf | C | | | | | |
| 8 | AMS | | WG | 17 | lb/100 gal | 6-8 leaf | C | | | | | |
| 9 | Dual II Magnum | 7.64 | L | 0.5 | pt/a | PRE | A | 11 | 91 | 66 | 72 | 70 |
| 9 | Dual II Magnum | 7.64 | L | 1 | pt/a | 2 leaf | B | | | | | |
| 9 | Roundup PowerMax | 4.5 | SL | 32 | fl oz/a | 2 leaf | B | | | | | |
| 9 | AMS | | WG | 17 | lb/100 gal | 2 leaf | B | | | | | |
| 9 | Dual II Magnum | 7.64 | L | 1 | pt/a | 6-8 leaf | C | | | | | |
| 9 | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | 6-8 leaf | C | | | | | |
| 9 | AMS | | WG | 17 | lb/100 gal | 6-8 leaf | C | | | | | |
| 10 | Dual II Magnum | 7.64 | L | 0.5 | pt/a | PRE | A | 15 | 97 | 86 | 88 | 95 |
| 10 | Warrant | 3 | L | 3 | pt/a | 2 leaf | B | | | | | |
| 10 | Roundup PowerMax | 4.5 | SL | 32 | fl oz/a | 2 leaf | B | | | | | |
| 10 | AMS | | WG | 17 | lb/100 gal | 2 leaf | B | | | | | |
| 10 | Warrant | 3 | L | 3 | pt/a | 6-8 leaf | C | | | | | |
| 10 | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | 6-8 leaf | C | | | | | |
| 10 | AMS | | WG | 17 | lb/100 gal | 6-8 leaf | C | | | | | |
| 11 | Dual II Magnum | 7.64 | L | 0.5 | pt/a | PRE | A | 15 | 94 | 75 | 85 | 88 |
| 11 | Outlook | 6 | L | 12 | fl oz/a | 2 leaf | B | | | | | |
| 11 | Roundup PowerMax | 4.5 | SL | 32 | fl oz/a | 2 leaf | B | | | | | |
| 11 | AMS | | WG | 17 | lb/100 gal | 2 leaf | B | | | | | |
| 11 | Outlook | 6 | L | 12 | fl oz/a | 6-8 leaf | C | | | | | |
| 11 | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | 6-8 leaf | C | | | | | |
| 11 | AMS | | WG | 17 | lb/100 gal | 6-8 leaf | C | | | | | |
| 12 | Dual II Magnum | 7.64 | L | 0.5 | pt/a | PRE | A | 19 | 96 | 86 | 95 | 98 |
| 12 | Ethofumesate | 4 | L | 2 | pt/a | 2 leaf | B | | | | | |
| 12 | Roundup PowerMax | 4.5 | SL | 32 | fl oz/a | 2 leaf | B | | | | | |
| 12 | Destiny HC | | L | 1.5 | pt/a | 2 leaf | B | | | | | |
| 12 | AMS | | WG | 17 | lb/100 gal | 2 leaf | B | | | | | |
| 12 | Ethofumesate | 4 | L | 2 | pt/a | 6-8 leaf | C | | | | | |
| 12 | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | 6-8 leaf | C | | | | | |
| 12 | Destiny HC | | L | 1.5 | pt/a | 6-8 leaf | C | | | | | |
| 12 | AMS | | WG | 17 | lb/100 gal | 6-8 leaf | C | | | | | |
| LSD P=.05 | | | | | | | | 8.8 | 10.6 | 8.0 | 11.0 | 10.5 |
| Standard Deviation | | | | | | | | 6.1 | 7.3 | 5.5 | 7.7 | 7.3 |
| CV | | | | | | | | 56.33 | 11.63 | 10.11 | 12.44 | 10.77 |

Herbicide-resistant waterhemp control with overlapping residuals

Trial ID: SB06-19

Location: Isabella Co.

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

| | | |
|--------------------|-------------|-------------|
| Pest Code | AMATU | AMATU |
| Crop Type, Code | | |
| Rating Date | Aug-29-2019 | Sep-11-2019 |
| Rating Type | control | control |
| Rating Unit | percent | percent |
| Trt-Eval Interval | 21 DA-C | 35 DA-C |
| Number of Decimals | 0 | 0 |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Appl Code | | |
|---------|------------------|-----------|-----------|---------------|-----------|-------------|-----------|----|----|
| 1 | Roundup PowerMax | 4.5 | SL | 32 fl oz/a | | 2 leaf | B | 10 | 0 |
| 1 | AMS | | WG | 17 lb/100 gal | | 2 leaf | B | | |
| 1 | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | | 6-8 leaf | C | | |
| 1 | AMS | | WG | 17 lb/100 gal | | 6-8 leaf | C | | |
| 2 | Dual II Magnum | 7.64 | L | 1 pt/a | | 2 leaf | B | 39 | 39 |
| 2 | Roundup PowerMax | 4.5 | SL | 32 fl oz/a | | 2 leaf | B | | |
| 2 | AMS | | WG | 17 lb/100 gal | | 2 leaf | B | | |
| 2 | Dual II Magnum | 7.64 | L | 1 pt/a | | 6-8 leaf | C | | |
| 2 | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | | 6-8 leaf | C | | |
| 2 | AMS | | WG | 17 lb/100 gal | | 6-8 leaf | C | | |
| 3 | Warrant | 3 | L | 3 pt/a | | 2 leaf | B | 48 | 48 |
| 3 | Roundup PowerMax | 4.5 | SL | 32 fl oz/a | | 2 leaf | B | | |
| 3 | AMS | | WG | 17 lb/100 gal | | 2 leaf | B | | |
| 3 | Warrant | 3 | L | 3 pt/a | | 6-8 leaf | C | | |
| 3 | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | | 6-8 leaf | C | | |
| 3 | AMS | | WG | 17 lb/100 gal | | 6-8 leaf | C | | |
| 4 | Outlook | 6 | L | 12 fl oz/a | | 2 leaf | B | 35 | 40 |
| 4 | Roundup PowerMax | 4.5 | SL | 32 fl oz/a | | 2 leaf | B | | |
| 4 | AMS | | WG | 17 lb/100 gal | | 2 leaf | B | | |
| 4 | Outlook | 6 | L | 12 fl oz/a | | 6-8 leaf | C | | |
| 4 | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | | 6-8 leaf | C | | |
| 4 | AMS | | WG | 17 lb/100 gal | | 6-8 leaf | C | | |
| 5 | Ethofumesate | 4 | L | 2 pt/a | | PRE | A | 64 | 62 |
| 5 | Dual II Magnum | 7.64 | L | 1 pt/a | | 2 leaf | B | | |
| 5 | Roundup PowerMax | 4.5 | SL | 32 fl oz/a | | 2 leaf | B | | |
| 5 | AMS | | WG | 17 lb/100 gal | | 2 leaf | B | | |
| 5 | Dual II Magnum | 7.64 | L | 1 pt/a | | 6-8 leaf | C | | |
| 5 | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | | 6-8 leaf | C | | |
| 5 | AMS | | WG | 17 lb/100 gal | | 6-8 leaf | C | | |
| 6 | Ethofumesate | 4 | L | 2 pt/a | | PRE | A | 91 | 89 |
| 6 | Warrant | 3 | L | 3 pt/a | | 2 leaf | B | | |
| 6 | Roundup PowerMax | 4.5 | SL | 32 fl oz/a | | 2 leaf | B | | |
| 6 | AMS | | WG | 17 lb/100 gal | | 2 leaf | B | | |
| 6 | Warrant | 3 | L | 3 pt/a | | 6-8 leaf | C | | |
| 6 | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | | 6-8 leaf | C | | |
| 6 | AMS | | WG | 17 lb/100 gal | | 6-8 leaf | C | | |
| 7 | Ethofumesate | 4 | L | 2 pt/a | | PRE | A | 74 | 75 |
| 7 | Outlook | 6 | L | 12 fl oz/a | | 2 leaf | B | | |
| 7 | Roundup PowerMax | 4.5 | SL | 32 fl oz/a | | 2 leaf | B | | |
| 7 | AMS | | WG | 17 lb/100 gal | | 2 leaf | B | | |
| 7 | Outlook | 6 | L | 12 fl oz/a | | 6-8 leaf | C | | |
| 7 | Roundup PowerMax | 4.5 | SL | 22 fl oz/a | | 6-8 leaf | C | | |
| 7 | AMS | | WG | 17 lb/100 gal | | 6-8 leaf | C | | |

Herbicide-resistant waterhemp control with overlapping residuals

Trial ID: SB06-19

Location: Isabella Co.

Investigator: Christy Sprague

Study Director: Sprague, Powell, Stiles

| | | |
|--------------------|-------------|-------------|
| Pest Code | AMATU | AMATU |
| Crop Type, Code | | |
| Rating Date | Aug-29-2019 | Sep-11-2019 |
| Rating Type | control | control |
| Rating Unit | percent | percent |
| Trt-Eval Interval | 21 DA-C | 35 DA-C |
| Number of Decimals | 0 | 0 |

| Trt No. | Treatment Name | Form Conc | Form Type | Rate | Rate Unit | Appl Timing | Appl Code | | |
|--------------------|------------------|-----------|-----------|------|------------|-------------|-----------|-------|-------|
| 8 | Ethofumesate | 4 | L | 2 | pt/a | PRE | A | 90 | 90 |
| 8 | Ethofumesate | 4 | L | 2 | pt/a | 2 leaf | B | | |
| 8 | Roundup PowerMax | 4.5 | SL | 32 | fl oz/a | 2 leaf | B | | |
| 8 | Destiny HC | | L | 1.5 | pt/a | 2 leaf | B | | |
| 8 | AMS | | WG | 17 | lb/100 gal | 2 leaf | B | | |
| 8 | Ethofumesate | 4 | L | 2 | pt/a | 6-8 leaf | C | | |
| 8 | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | 6-8 leaf | C | | |
| 8 | Destiny HC | | L | 1.5 | pt/a | 6-8 leaf | C | | |
| 8 | AMS | | WG | 17 | lb/100 gal | 6-8 leaf | C | | |
| 9 | Dual II Magnum | 7.64 | L | 0.5 | pt/a | PRE | A | 68 | 68 |
| 9 | Dual II Magnum | 7.64 | L | 1 | pt/a | 2 leaf | B | | |
| 9 | Roundup PowerMax | 4.5 | SL | 32 | fl oz/a | 2 leaf | B | | |
| 9 | AMS | | WG | 17 | lb/100 gal | 2 leaf | B | | |
| 9 | Dual II Magnum | 7.64 | L | 1 | pt/a | 6-8 leaf | C | | |
| 9 | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | 6-8 leaf | C | | |
| 9 | AMS | | WG | 17 | lb/100 gal | 6-8 leaf | C | | |
| 10 | Dual II Magnum | 7.64 | L | 0.5 | pt/a | PRE | A | 92 | 93 |
| 10 | Warrant | 3 | L | 3 | pt/a | 2 leaf | B | | |
| 10 | Roundup PowerMax | 4.5 | SL | 32 | fl oz/a | 2 leaf | B | | |
| 10 | AMS | | WG | 17 | lb/100 gal | 2 leaf | B | | |
| 10 | Warrant | 3 | L | 3 | pt/a | 6-8 leaf | C | | |
| 10 | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | 6-8 leaf | C | | |
| 10 | AMS | | WG | 17 | lb/100 gal | 6-8 leaf | C | | |
| 11 | Dual II Magnum | 7.64 | L | 0.5 | pt/a | PRE | A | 81 | 80 |
| 11 | Outlook | 6 | L | 12 | fl oz/a | 2 leaf | B | | |
| 11 | Roundup PowerMax | 4.5 | SL | 32 | fl oz/a | 2 leaf | B | | |
| 11 | AMS | | WG | 17 | lb/100 gal | 2 leaf | B | | |
| 11 | Outlook | 6 | L | 12 | fl oz/a | 6-8 leaf | C | | |
| 11 | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | 6-8 leaf | C | | |
| 11 | AMS | | WG | 17 | lb/100 gal | 6-8 leaf | C | | |
| 12 | Dual II Magnum | 7.64 | L | 0.5 | pt/a | PRE | A | 98 | 100 |
| 12 | Ethofumesate | 4 | L | 2 | pt/a | 2 leaf | B | | |
| 12 | Roundup PowerMax | 4.5 | SL | 32 | fl oz/a | 2 leaf | B | | |
| 12 | Destiny HC | | L | 1.5 | pt/a | 2 leaf | B | | |
| 12 | AMS | | WG | 17 | lb/100 gal | 2 leaf | B | | |
| 12 | Ethofumesate | 4 | L | 2 | pt/a | 6-8 leaf | C | | |
| 12 | Roundup PowerMax | 4.5 | SL | 22 | fl oz/a | 6-8 leaf | C | | |
| 12 | Destiny HC | | L | 1.5 | pt/a | 6-8 leaf | C | | |
| 12 | AMS | | WG | 17 | lb/100 gal | 6-8 leaf | C | | |
| LSD P=.05 | | | | | | | | 13.8 | 13.0 |
| Standard Deviation | | | | | | | | 9.6 | 9.0 |
| CV | | | | | | | | 14.65 | 13.87 |