

MSU Weed Science Research Program

Residual herbicide programs in Liberty Link soybean

Trial ID: SOY07-10 Study Dir.: Sprague, Powell  
 Conducted: T-12 East Investigator: Christy Sprague

Date Planted: 5/27/2010 Row Spacing: 30 IN  
 Variety: Stine 23LA02 No. of Reps: 4  
 Population: 156,000 seeds/acre % OM: 3.7  
 Soil Type: Loam pH: 7.0  
 Plot Size: 10 X 35 FT Design: RANDOMIZED COMPLETE BLOCK

Tillage: Fall chisel plow and spring soil finish  
 Fertilizer: None

Crop and Weed Description

| Weed | Code  | Common Name                      | Scientific Name             |
|------|-------|----------------------------------|-----------------------------|
| 1.   | ANGR  | mainly foxtail species           | SETARIA SP.                 |
| 2.   | ABUTH | VELVETLEAF                       | ABUTILON THEOPHRASTI MEDIK. |
| 3.   | AMBEL | RAGWEED, COMMON                  | AMBROSIA ARTEMISIIFOLIA L.  |
| 4.   | CHEAL | LAMBSQUARTERS, COMMON            | CHENOPODIUM ALBUM L.        |
| 5.   | AMASS | REDROOT PIGWEED, POWELL AMARANTH | AMARANTHUS SP.              |
| Crop | Code  | Common Name                      |                             |
| 1.   | GLXMA | SOYBEAN                          |                             |

Application Description

|                       | A         | B         | C         |
|-----------------------|-----------|-----------|-----------|
| Application Timing:   | PRE       | MPOS      | POST      |
| Date Treated:         | 5/27/2010 | 6/17/2010 | 6/25/2010 |
| Time Treated:         | 5:50 pm   | 11:40 am  | 12:40 pm  |
| % Cloud Cover:        | 5         | 70        | 5         |
| Air Temp., Unit:      | 89 F      | 72 F      | 76 F      |
| % Relative Humidity:  | 34        | 66        | 43        |
| Wind Speed/Unit/Dir:  | 6 mph W   | 2 mph E   | 4 mph S   |
| Soil Temp., Unit:     | 84 F      | 70 F      | 75 F      |
| Soil/Leaf Surface M:  | 5 5       | 5 5       | 3 5       |
| Soil Moist (1=w 5=d): | 4         | 3         | 2         |

Crop Stage at Each Application

|               | A     | B     | C      |
|---------------|-------|-------|--------|
| Crop Name:    | GLXMA | GLXMA | GLXMA  |
| Height (In.): | -     | 6-7"  | 11-12" |
| Stage (L):    | -     | V2-3  | V3     |

Weed Stage at Each Application

|               | A     | B      | C         |
|---------------|-------|--------|-----------|
| Weed 1 Name:  | ANGR  | ANGR   | ANGR      |
| Height (In.): | -     | 4-7"   | 5-10"     |
| Stage (L):    | -     | 5-7    | Tillering |
| Weed 2 Name:  | ABUTH | ABUTH  | ABUTH     |
| Height (In.): | -     | 2-3"   | 3-4.5"    |
| Stage (L):    | -     | 3      | 6         |
| Weed 3 Name:  | AMBEL | AMBEL  | AMBEL     |
| Height (In.): | -     | 1-2"   | 3-5"      |
| Stage (L):    | -     | 2-4    | 6         |
| Weed 4 Name:  | CHEAL | CHEAL  | CHEAL     |
| Height (In.): | -     | 1/2-1" | 3-4"      |
| Stage (L):    | -     | 2-4    | 11-20     |
| Weed 5 Name:  | AMASS | AMASS  | AMASS     |
| Height (In.): | -     | 1/2-1" | 4-5"      |
| Stage (L):    | -     | 2-4    | 4-7       |

Weed Density (plants/sq. ft.)

|            | 1    | 2     | 3     | 4     | 5     |
|------------|------|-------|-------|-------|-------|
| Weed Name: | ANGR | CHEAL | AMBEL | ABUTH | AMASS |
| Density:   | 16   | 3     | 6     | <1    | 3     |

Application Equipment

| Appl | Sprayer Type | Speed MPH | Nozzle Type | Nozzle Size | Nozzle Height | Nozzle Spacing | Boom Width | GPA | Carrier | PSI |
|------|--------------|-----------|-------------|-------------|---------------|----------------|------------|-----|---------|-----|
| A    | Cub          | 3.8       | AirMix      | 11003       | 21"           | 20"            | 100"       | 19  | water   | 28  |
| B    | Cub          | 3.8       | AirMix      | 11003       | 26"           | 20"            | 100"       | 19  | water   | 28  |
| C    | Cub          | 3.8       | AirMix      | 11003       | 24"           | 20"            | 100"       | 19  | water   | 28  |

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| Weed Code          |                  |           |           |      |            |          |           | ANGR      | CHEAL     | AMASS     | AMBEL     | ABUTH     |           |
|--------------------|------------------|-----------|-----------|------|------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Crop Code          |                  |           |           |      |            |          |           | GLXMA     |           |           |           |           |           |
| Rating Data Type   |                  |           |           |      |            |          |           | injury    | control   | control   | control   | control   | control   |
| Rating Unit        |                  |           |           |      |            |          |           | percent   | percent   | percent   | percent   | percent   | percent   |
| Rating Date        |                  |           |           |      |            |          |           | 6/24/2010 | 6/24/2010 | 6/24/2010 | 6/24/2010 | 6/24/2010 | 6/24/2010 |
| Trt-Eval Interval  |                  |           |           |      |            |          |           | 7 DA-B    | 7 DA-B    | 7 DA-B    | 7 DA-B    | 7 DA-B    | 7 DA-B    |
| # Subsamples, Dec. |                  |           |           |      |            |          |           | 0         | 0         | 0         | 0         | 0         | 0         |
| Trt No.            | Treatment Name   | Form Conc | Form Type | Rate | Unit       | Grow Stg | Appl Code |           |           |           |           |           |           |
| 1                  | Untreated        |           |           |      |            |          |           | 0         | 0         | 0         | 0         | 0         | 0         |
| 2                  | Prefix           | 5.29      | L         | 2    | pt/a       | PRE      | A         | 4         | 94        | 73        | 99        | 89        | 53        |
| 2                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | POST     | C         |           |           |           |           |           |           |
| 2                  | AMS              |           | WG        | 8.5  | lb/100 gal | POST     | C         |           |           |           |           |           |           |
| 3                  | Authority Assist | 4         | L         | 5    | fl oz/a    | PRE      | A         | 0         | 61        | 99        | 99        | 61        | 61        |
| 3                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | POST     | C         |           |           |           |           |           |           |
| 3                  | AMS              |           | WG        | 8.5  | lb/100 gal | POST     | C         |           |           |           |           |           |           |
| 4                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 3         | 80        | 92        | 99        | 99        | 99        |
| 4                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |           |           |           |           |           |           |
| 5                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 20        | 76        | 95        | 99        | 99        | 99        |
| 5                  | Prefix           | 5.29      | L         | 2    | pt/a       | MPOS     | B         |           |           |           |           |           |           |
| 5                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |           |           |           |           |           |           |
| 6                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 10        | 84        | 90        | 99        | 99        | 99        |
| 6                  | Dual II Magnum   | 7.64      | L         | 1.33 | pt/a       | MPOS     | B         |           |           |           |           |           |           |
| 6                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |           |           |           |           |           |           |
| 7                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 18        | 90        | 98        | 99        | 99        | 99        |
| 7                  | Pursuit          | 2         | L         | 4    | fl oz/a    | MPOS     | B         |           |           |           |           |           |           |
| 7                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |           |           |           |           |           |           |
| 8                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 3         | 84        | 98        | 99        | 99        | 99        |
| 8                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |           |           |           |           |           |           |
| 8                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | POST     | C         |           |           |           |           |           |           |
| 8                  | AMS              |           | WG        | 8.5  | lb/100 gal | POST     | C         |           |           |           |           |           |           |
| LSD (P=.05)        |                  |           |           |      |            |          |           | 2.7       | 4.9       | 5.2       | 0.0       | 2.7       | 8.0       |
| Standard Deviation |                  |           |           |      |            |          |           | 1.8       | 3.4       | 3.5       | 0.0       | 1.8       | 5.4       |
| CV                 |                  |           |           |      |            |          |           | 25.69     | 4.73      | 4.37      | 0.0       | 2.28      | 7.16      |

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          | Crop Code        | Rating Data Type | Rating Unit | Rating Date | Trt-Eval Interval | # Subsamples, Dec. | GLXMA injury percent 7/1/2010 14 DA-B | ANGR control percent 7/1/2010 14 DA-B | CHEAL control percent 7/1/2010 14 DA-B | AMASS control percent 7/1/2010 14 DA-B | AMBEL control percent 7/1/2010 14 DA-B | ABUTH control percent 7/1/2010 14 DA-B | GLXMA injury percent 7/13/2010 26 DA-B |        |
|--------------------|------------------|------------------|-------------|-------------|-------------------|--------------------|---------------------------------------|---------------------------------------|--|--|--|--|--|--------|
| Trt No.            | Treatment Name   | Form Conc        | Form Type   | Rate        | Unit              | Grow Stg           | Appl Code                             |                                       |  |  |  |  |  |        |
| 1                  | Untreated        |                  |             |             |                   |                    |                                       | 0                                     | 0                                      | 0                                      | 0                                      | 0                                      | 0                                      |        |
| 2                  | Prefix           | 5.29             | L           | 2           | pt/a              | PRE                | A                                     | 2                                     | 98                                     | 99                                     | 99                                     | 98                                     | 98                                     | 0      |
| 2                  | Ignite 280       | 2.34             | L           | 22          | fl oz/a           | POST               | C                                     |                                       |  |  |  |  |  |        |
| 2                  | AMS              |                  | WG          | 8.5         | lb/100 gal        | POST               | C                                     |                                       |  |  |  |  |  |        |
| 3                  | Authority Assist | 4                | L           | 5           | fl oz/a           | PRE                | A                                     | 3                                     | 86                                     | 99                                     | 99                                     | 83                                     | 98                                     | 0      |
| 3                  | Ignite 280       | 2.34             | L           | 22          | fl oz/a           | POST               | C                                     |                                       |  |  |  |  |  |        |
| 3                  | AMS              |                  | WG          | 8.5         | lb/100 gal        | POST               | C                                     |                                       |  |  |  |  |  |        |
| 4                  | Ignite 280       | 2.34             | L           | 22          | fl oz/a           | MPOS               | B                                     | 1                                     | 73                                     | 75                                     | 89                                     | 90                                     | 99                                     | 0      |
| 4                  | AMS              |                  | WG          | 8.5         | lb/100 gal        | MPOS               | B                                     |                                       |  |  |  |  |  |        |
| 5                  | Ignite 280       | 2.34             | L           | 22          | fl oz/a           | MPOS               | B                                     | 10                                    | 78                                     | 84                                     | 98                                     | 99                                     | 99                                     | 3      |
| 5                  | Prefix           | 5.29             | L           | 2           | pt/a              | MPOS               | B                                     |                                       |  |  |  |  |  |        |
| 5                  | AMS              |                  | WG          | 8.5         | lb/100 gal        | MPOS               | B                                     |                                       |  |  |  |  |  |        |
| 6                  | Ignite 280       | 2.34             | L           | 22          | fl oz/a           | MPOS               | B                                     | 6                                     | 86                                     | 77                                     | 96                                     | 97                                     | 99                                     | 1      |
| 6                  | Dual II Magnum   | 7.64             | L           | 1.33        | pt/a              | MPOS               | B                                     |                                       |  |  |  |  |  |        |
| 6                  | AMS              |                  | WG          | 8.5         | lb/100 gal        | MPOS               | B                                     |                                       |  |  |  |  |  |        |
| 7                  | Ignite 280       | 2.34             | L           | 22          | fl oz/a           | MPOS               | B                                     | 5                                     | 91                                     | 95                                     | 99                                     | 98                                     | 99                                     | 3      |
| 7                  | Pursuit          | 2                | L           | 4           | fl oz/a           | MPOS               | B                                     |                                       |  |  |  |  |  |        |
| 7                  | AMS              |                  | WG          | 8.5         | lb/100 gal        | MPOS               | B                                     |                                       |  |  |  |  |  |        |
| 8                  | Ignite 280       | 2.34             | L           | 22          | fl oz/a           | MPOS               | B                                     | 4                                     | 98                                     | 99                                     | 99                                     | 99                                     | 99                                     | 0      |
| 8                  | AMS              |                  | WG          | 8.5         | lb/100 gal        | MPOS               | B                                     |                                       |  |  |  |  |  |        |
| 8                  | Ignite 280       | 2.34             | L           | 22          | fl oz/a           | POST               | C                                     |                                       |  |  |  |  |  |        |
| 8                  | AMS              |                  | WG          | 8.5         | lb/100 gal        | POST               | C                                     |                                       |  |  |  |  |  |        |
| LSD (P=.05)        |                  |                  |             |             |                   |                    |                                       | 2.6                                   | 6.3                                    | 8.2                                    | 3.6                                    | 3.8                                    | 1.5                                    | 2.6    |
| Standard Deviation |                  |                  |             |             |                   |                    |                                       | 1.8                                   | 4.3                                    | 5.6                                    | 2.4                                    | 2.6                                    | 1.0                                    | 1.8    |
| CV                 |                  |                  |             |             |                   |                    |                                       | 46.63                                 | 5.61                                   | 7.14                                   | 2.86                                   | 3.12                                   | 1.16                                   | 213.52 |

Means followed by same letter do not significantly differ (P=.05, LSD)  
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| Weed Code          |                  |           |           |      |            |          |           | ANGR      | CHEAL     | AMASS     | AMBEL     | ABUTH     | GLXMA    |
|--------------------|------------------|-----------|-----------|------|------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| Crop Code          |                  |           |           |      |            |          |           |           |           |           |           |           |          |
| Rating Data Type   |                  |           |           |      |            |          |           | control   | control   | control   | control   | control   | injury   |
| Rating Unit        |                  |           |           |      |            |          |           | percent   | percent   | percent   | percent   | percent   | percent  |
| Rating Date        |                  |           |           |      |            |          |           | 7/13/2010 | 7/13/2010 | 7/13/2010 | 7/13/2010 | 7/13/2010 | 8/9/2010 |
| Trt-Eval Interval  |                  |           |           |      |            |          |           | 26 DA-B   | 26 DA-B   | 26 DA-B   | 26 DA-B   | 26 DA-B   | 45 DA-C  |
| # Subsamples, Dec. |                  |           |           |      |            |          |           | 0         | 0         | 0         | 0         | 0         | 0        |
| Trt No.            | Treatment Name   | Form Conc | Form Type | Rate | Rate Unit  | Grow Stg | Appl Code |           |           |           |           |           |          |
| 1                  | Untreated        |           |           |      |            |          |           | 0         | 0         | 0         | 0         | 0         | 0        |
| 2                  | Prefix           | 5.29      | L         | 2    | pt/a       | PRE      | A         | 98        | 99        | 99        | 99        | 99        | 0        |
| 2                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | POST     | C         |           |           |           |           |           |          |
| 2                  | AMS              |           | WG        | 8.5  | lb/100 gal | POST     | C         |           |           |           |           |           |          |
| 3                  | Authority Assist | 4         | L         | 5    | fl oz/a    | PRE      | A         | 91        | 99        | 99        | 99        | 99        | 0        |
| 3                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | POST     | C         |           |           |           |           |           |          |
| 3                  | AMS              |           | WG        | 8.5  | lb/100 gal | POST     | C         |           |           |           |           |           |          |
| 4                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 72        | 76        | 79        | 92        | 98        | 0        |
| 4                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |           |           |           |           |           |          |
| 5                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 77        | 76        | 93        | 99        | 99        | 0        |
| 5                  | Prefix           | 5.29      | L         | 2    | pt/a       | MPOS     | B         |           |           |           |           |           |          |
| 5                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |           |           |           |           |           |          |
| 6                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 86        | 75        | 91        | 96        | 99        | 0        |
| 6                  | Dual II Magnum   | 7.64      | L         | 1.33 | pt/a       | MPOS     | B         |           |           |           |           |           |          |
| 6                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |           |           |           |           |           |          |
| 7                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 86        | 93        | 99        | 99        | 99        | 0        |
| 7                  | Pursuit          | 2         | L         | 4    | fl oz/a    | MPOS     | B         |           |           |           |           |           |          |
| 7                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |           |           |           |           |           |          |
| 8                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 95        | 99        | 98        | 99        | 99        | 0        |
| 8                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |           |           |           |           |           |          |
| 8                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | POST     | C         |           |           |           |           |           |          |
| 8                  | AMS              |           | WG        | 8.5  | lb/100 gal | POST     | C         |           |           |           |           |           |          |
| LSD (P=.05)        |                  |           |           |      |            |          |           | 4.1       | 7.1       | 5.0       | 4.5       | 1.2       | 0.0      |
| Standard Deviation |                  |           |           |      |            |          |           | 2.8       | 4.8       | 3.4       | 3.1       | 0.8       | 0.0      |
| CV                 |                  |           |           |      |            |          |           | 3.66      | 6.22      | 4.11      | 3.61      | 0.93      | 0.0      |

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| Weed Code          |                  |           |           |      |            |          |           | ANGR     | CHEAL    | AMASS    | AMBEL    | ABUTH    | GLXMA      |
|--------------------|------------------|-----------|-----------|------|------------|----------|-----------|----------|----------|----------|----------|----------|------------|
| Crop Code          |                  |           |           |      |            |          |           |          |          |          |          |          |            |
| Rating Data Type   |                  |           |           |      |            |          |           | control  | control  | control  | control  | control  | moisture   |
| Rating Unit        |                  |           |           |      |            |          |           | percent  | percent  | percent  | percent  | percent  | percent    |
| Rating Date        |                  |           |           |      |            |          |           | 8/9/2010 | 8/9/2010 | 8/9/2010 | 8/9/2010 | 8/9/2010 | 10/18/2010 |
| Trt-Eval Interval  |                  |           |           |      |            |          |           | 45 DA-C  | 45 DA-C  | 45 DA-C  | 45 DA-C  | 45 DA-C  | 144 DA-A   |
| # Subsamples, Dec. |                  |           |           |      |            |          |           | 0        | 0        | 0        | 0        | 0        | 1          |
| Trt No.            | Treatment Name   | Form Conc | Form Type | Rate | Unit       | Grow Stg | Appl Code |          |          |          |          |          |            |
| 1                  | Untreated        |           |           |      |            |          |           | 0        | 0        | 0        | 0        | 0        | 10.9       |
| 2                  | Prefix           | 5.29      | L         | 2    | pt/a       | PRE      | A         | 95       | 99       | 99       | 99       | 99       | 10.6       |
| 2                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | POST     | C         |          |          |          |          |          |            |
| 2                  | AMS              |           | WG        | 8.5  | lb/100 gal | POST     | C         |          |          |          |          |          |            |
| 3                  | Authority Assist | 4         | L         | 5    | fl oz/a    | PRE      | A         | 88       | 99       | 99       | 99       | 99       | 10.5       |
| 3                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | POST     | C         |          |          |          |          |          |            |
| 3                  | AMS              |           | WG        | 8.5  | lb/100 gal | POST     | C         |          |          |          |          |          |            |
| 4                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 59       | 85       | 88       | 89       | 99       | 10.4       |
| 4                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |          |          |          |          |          |            |
| 5                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 51       | 78       | 90       | 98       | 99       | 10.5       |
| 5                  | Prefix           | 5.29      | L         | 2    | pt/a       | MPOS     | B         |          |          |          |          |          |            |
| 5                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |          |          |          |          |          |            |
| 6                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 74       | 61       | 96       | 87       | 99       | 10.5       |
| 6                  | Dual II Magnum   | 7.64      | L         | 1.33 | pt/a       | MPOS     | B         |          |          |          |          |          |            |
| 6                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |          |          |          |          |          |            |
| 7                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 72       | 92       | 99       | 96       | 99       | 10.4       |
| 7                  | Pursuit          | 2         | L         | 4    | fl oz/a    | MPOS     | B         |          |          |          |          |          |            |
| 7                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |          |          |          |          |          |            |
| 8                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 88       | 99       | 95       | 99       | 99       | 10.4       |
| 8                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |          |          |          |          |          |            |
| 8                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | POST     | C         |          |          |          |          |          |            |
| 8                  | AMS              |           | WG        | 8.5  | lb/100 gal | POST     | C         |          |          |          |          |          |            |
| LSD (P=.05)        |                  |           |           |      |            |          |           | 13.1     | 9.8      | 5.6      | 8.3      | 0.0      | 0.23       |
| Standard Deviation |                  |           |           |      |            |          |           | 8.9      | 6.7      | 3.8      | 5.7      | 0.0      | 0.16       |
| CV                 |                  |           |           |      |            |          |           | 13.55    | 8.74     | 4.55     | 6.79     | 0.0      | 1.51       |

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.

## MSU Weed Science Research Program

Residual herbicide programs in Liberty Link soybean

Trial ID: SOY07-10 Study Dir.: Sprague, Powell  
 Conducted: T-12 East Investigator: Christy Sprague

Weed Code  
 Crop Code GLXMA  
 Rating Data Type yield  
 Rating Unit bu/acre  
 Rating Date 10/18/2010  
 Trt-Eval Interval at 13% M  
 # Subsamples, Dec. 1

| Trt No.            | Treatment Name   | Form Conc | Form Type | Rate | Rate Unit  | Grow Stg | Appl Code |      |
|--------------------|------------------|-----------|-----------|------|------------|----------|-----------|------|
| 1                  | Untreated        |           |           |      |            |          |           | 20.7 |
| 2                  | Prefix           | 5.29      | L         | 2    | pt/a       | PRE      | A         | 53.5 |
| 2                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | POST     | C         |      |
| 2                  | AMS              |           | WG        | 8.5  | lb/100 gal | POST     | C         |      |
| 3                  | Authority Assist | 4         | L         | 5    | fl oz/a    | PRE      | A         | 56.1 |
| 3                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | POST     | C         |      |
| 3                  | AMS              |           | WG        | 8.5  | lb/100 gal | POST     | C         |      |
| 4                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 56.3 |
| 4                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |      |
| 5                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 50.5 |
| 5                  | Prefix           | 5.29      | L         | 2    | pt/a       | MPOS     | B         |      |
| 5                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |      |
| 6                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 51.8 |
| 6                  | Dual II Magnum   | 7.64      | L         | 1.33 | pt/a       | MPOS     | B         |      |
| 6                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |      |
| 7                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 55.1 |
| 7                  | Pursuit          | 2         | L         | 4    | fl oz/a    | MPOS     | B         |      |
| 7                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |      |
| 8                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | MPOS     | B         | 57.5 |
| 8                  | AMS              |           | WG        | 8.5  | lb/100 gal | MPOS     | B         |      |
| 8                  | Ignite 280       | 2.34      | L         | 22   | fl oz/a    | POST     | C         |      |
| 8                  | AMS              |           | WG        | 8.5  | lb/100 gal | POST     | C         |      |
| LSD (P=.05)        |                  |           |           |      |            |          |           | 5.46 |
| Standard Deviation |                  |           |           |      |            |          |           | 3.71 |
| CV                 |                  |           |           |      |            |          |           | 7.39 |

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.