# SOYBEAN

**Summary of Early-Planted MG V and VI Soybean Variety Performance at Six Locations, 2011**

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### Summary of Early-Planted MG V and VI Soybean Variety Performance at Six Locations, 2011 (Continued)

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1. Yields calculated at 13% moisture.
2. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

**Bolding** within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).
## Summary of Early- and Late Planted MG VII and VIII

### Soybean Variety Performance at Six Locations, 2011

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Summary of Early- and Late Planted MG VII and VIII Soybean Variety Performance at Six Locations, 2011 (Continued)

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1. Yields calculated at 13% moisture.
2. All six locations.

**Bolding** within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).
### Regional Summary of Early-Planted MG V and VI Soybean Variety Performance, 2011

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### Regional Summary of Early-Planted MG V and VI Soybean Variety Performance, 2011 (Continued)

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1. Yields calculated at 13% moisture.
3. Athens, Calhoun and Griffin.
4. All six locations.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

**Bolding** within each test denotes entries with yields equal to the highest yielding entry based on Fisher’s protected LSD (P = 0.10).
# Regional Summary of Early- and Late-Planted MG VII and VIII Soybean Variety Performance, 2011

<table>
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<tr>
<th>Company or Brand Name</th>
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<th>North³</th>
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### Regional Summary of Early- and Late-Planted MG VII and VIII Soybean Variety Performance, 2011 (Continued)

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1. Yields calculated at 13% moisture.
3. Athens Early-Planted and Griffin Late-Planted.
4. All six locations.

**Bolding** within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).
# Tifton, Georgia:
## Early-Planted Soybean Variety Performance, 2011, Irrigated

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Tifton, Georgia:
Early-Planted Soybean Variety Performance, 2011, Irrigated
(Continued)

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### Maturity Group VI

#### Public Variety
- **Musen**: 58.5 | 2 | 63.5 | 10/21 | 33 | 1.7 | 14.0 | 1.7 | 1.0
- **USG 620nRR**: 52.4 | 4 | 57.6 | 09/22 | 33 | 1.0 | 15.1 | 2.0 | 1.0

#### Dyna-Gro
- **36RY68**: 49.0 | 5 | 54.0 | 10/21 | 31 | 1.0 | 15.4 | 2.2 | 1.0
- **USG 76S90R2**: 47.0 | 10^T | 49.6 | 10/20 | 28 | 1.0 | 15.6 | 2.2 | 1.0

#### Progeny
- **P 6710 RY**: 43.6 | 10^T | 49.6 | 10/13 | 30 | 1.0 | 15.7 | 2.0 | 1.0
- **UGA G06-2460RR**: 43.6 | 12 | 46.9 | 09/23 | 27 | 1.0 | 12.9 | 1.9 | 1.0
- **SS RT6207N**: 43.2 | 11^T | 49.1 | 09/17 | 30 | 1.0 | 12.1 | 2.2 | 1.0
- **SS RT6451N**: 41.5 | 8 | 51.7 | 10/09 | 31 | 1.3 | 13.0 | 1.8 | 1.0
- **SS RT6988N**: 41.1 | 11^T | 49.1 | 10/05 | 31 | 1.3 | 14.8 | 2.2 | 1.0

#### Dyna-Gro
- **V61N9RR**: 40.5 | 9 | 50.5 | 09/22 | 27 | 1.0 | 14.9 | 2.8 | 1.0
- **UGA G05-1102RR**: 40.0 | 13 | 45.7 | 10/08 | 32 | 1.0 | 14.2 | 2.0 | 1.0
- **SS 6810NR2**: 38.8 | 14 | 44.6 | 10/21 | 28 | 1.0 | 15.2 | 2.0 | 1.0
- **Asgrow AG6931**: 37.0 | 21 | 36.2 | 10/19 | 29 | 1.3 | 16.1 | 2.3 | 1.0
- **AR R04-342**: 36.1 | 18 | 40.9 | 09/15 | 22 | 1.0 | 14.8 | 2.2 | 1.0

#### Asgrow
- **AG6732**: . | 1 | 68.0 | 10/21 | 31 | 1.0 | 14.9 | 2.2 | 1.0
- **SS 6911NR2**: . | 6 | 53.4 | 10/17 | 29 | 1.0 | 15.9 | 2.0 | 1.0
- **NK S61-Q2**: . | 7 | 51.8 | 09/19 | 30 | 1.0 | 15.3 | 2.3 | 1.0
- **Asgrow AG6132**: . | 15 | 42.0 | 10/11 | 30 | 1.0 | 15.6 | 2.5 | 1.0
- **GoSoy 6111LL**: . | 16 | 41.6 | 09/14 | 25 | 1.0 | 14.7 | 3.2 | 1.0

#### A.M. Bickley
- **AMB 60LL**: . | 17 | 41.2 | 09/14 | 25 | 1.0 | 14.5 | 3.0 | 1.0

#### AGSouth
- **AGS6011LL**: . | 19 | 40.6 | 09/16 | 25 | 1.0 | 14.9 | 3.3 | 1.0

#### USG
- **76G10L**: . | 20^T | 38.8 | 09/13 | 25 | 1.0 | 14.7 | 3.3 | 1.0

#### Croplan Genetics
- **R2C6810**: . | 20^T | 38.8 | 10/21 | 28 | 1.0 | 15.2 | 2.0 | 1.0

### Average
- **Average**: 44.1 | 48.5^6 | 10/04 | 29 | 1.1 | 14.7 | 2.3 | 1.0

### LSD at 10% Level
- **LSD at 10% Level**: 7.2 | 12.6 | 02 | 3 | 0.3 | 1.2 | 0.4 | -

### Std. Err. of Entry Mean
- **Std. Err. of Entry Mean**: 3.2 | 5.3 | 01 | 1 | 0.1 | 0.5 | 0.2 | -
## Tifton, Georgia:
### Early-Planted Soybean Variety Performance, 2011, Irrigated
#### (Continued)

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# Tifton, Georgia:
## Early-Planted Soybean Variety Performance, 2011, Irrigated
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* 2010-2011.
1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 20.4% and df for EMS = 64.
6. CV = 18.9% and df for EMS = 46.
7. CV = 7.3% and df for EMS = 92.
8. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

**Bold**ing within each test indicates no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

Fisher’s protected LSD (P = 0.10).

Harvested: Maturity Group V - October 17, 2011.
Maturity Group VI - October 27, 2011.
Maturity Group VII and VIII - October 27, 2011.
Seeding Rate: Eight seeds per foot in 30” rows.
Soil Type: Tifton sandy loam.
Soil Test: P = High, K = Medium, and pH = 6.4.
Fertilization: 6 lb N, 18 lb P₂O₅, and 79 lb K₂O/acre.
Previous Crop: Corn.
Management: Disked, subsoiled and bedded; Prowl, Basagran, Select, Ultra Blazer and Classic used for weed control; Tracer and Discipline used or insect control; Telone II used for nematode control; irrigated 11 inches.

Test conducted by A. Coy, R. Brooke and D. Dunn.
## Plains, Georgia:
### Early-Planted Soybean Variety Performance, 2011, Irrigated

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### Plains, Georgia:
**Early-Planted Soybean Variety Performance, 2011, Irrigated**
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Plains, Georgia:
Early-Planted Soybean Variety Performance, 2011, Irrigated
(Continued)

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Average 46.3 49.0 10/24 35 1.7 . . 1.1

LSD at 10% Level
N.S. 12.2 N.S. 5 0.8 0.3

Std. Err. of Entry Mean 7.6 5.2 05 2 0.3 0.1

* 2010-2011.
1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 33.4% and df for EMS = 68.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
7. CV = 20.8% and df for EMS = 46.
8. CV = 18.3% and df for EMS = 92.

**Bolding** within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: June 1, 2011.
Harvested: October 24, 2011.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.3.
Fertilization: 28 lb N, 80 lb P2O5, and 80 lb K2O/acre.
Previous Crop: Corn.
Management: Disked, bedded and rototilled; Reflex, Prowl and Classic used for weed control; Mustang Mix used for insect control; irrigated 12 inches.

Test conducted by A. Coy, R. Brooke, D. Dunn and R. Pines.
## Plains, Georgia:
### Late-Planted Soybean Variety Performance, 2011, Irrigated

<table>
<thead>
<tr>
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Plains, Georgia:
Late-Planted Soybean Variety Performance, 2011, Irrigated
(Continued)

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* 2010-2011.
1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 16.5% and df for EMS = 92.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

**Bolding** within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: July 19, 2011.
Harvested: November 8, 2011.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.3.
Fertilization: 28 lb N, 80 lb P₂O₅, and 80 lb K₂O/acre.
Previous Crop: Corn.
Management: Disked, bedded, and rototilled; Reflex, Prowl, Basagran and Classic used for weed control; Mustang Max used for insect control; irrigated 6 inches.

Test conducted by A. Coy, R. Brooke, D. Dunn and R. Pines.
# Early-Planted Soybean Variety Performance, 2011, Irrigated

## Midville, Georgia:

### 2-Year* Average Yield

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- **Average** 58.7   63.8 \(^5\) 09/23 37 1.9 15.7 2.2 1.3
- **LSD at 10% Level** 7.8 7.9 04 4 0.5 1.1 0.4 N.S.\(^6\)
- **Std. Err. of Entry Mean** 1.7 3.4 02 2 0.2 0.5 0.2

\(^*\) In Irrigated Conditions

\(^1\) Yields are adjusted to 13% moisture.

\(^2\) Lodging rating from 1-9, where 1 = lodging.

\(^3\) Seed quality rating from 1-3, where 1 = poor.

\(^4\) Shatter rating from 1-3, where 1 = severe.

\(^5\) LSD adjusted to a 5% level.

\(^6\) N.S. = Not Significant.
## Midville, Georgia: Early-Planted Soybean Variety Performance, 2011, Irrigated (Continued)

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## Midville, Georgia:
### Early-Planted Soybean Variety Performance, 2011, Irrigated
(Continued)

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Midville, Georgia:
Early-Planted Soybean Variety Performance, 2011, Irrigated
(Continued)

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* 2010-2011.
1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 9.0% and df for EMS = 68.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
7. CV = 11.0% and df for EMS = 46.
8. CV = 11.4% and df for EMS = 92.

**Bolding** within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: May 12, 2011.
Harvested: October 25, 2011.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = Medium, K = High, and pH = 6.3.
Fertilization: 25 lb N, 50 lb P₂O₅, and 60 lb K₂O/acre.
Previous Crop: Cotton.
Management: Disked, subsoiled and bedded, rototilled; Acumen, Valor, Gramoxone, Reflex, Storm, Basagran and Select used for weed control; Steward, Discipline, Lorsban, Dimilin and Mustang Max used for insect control; Telone II used for nematode control; irrigated 16 inches.

Test conducted by A. Coy, R. Brooke, D. Dunn, K. Cobb and R. Milton.
### Griffin, Georgia:
#### Early-Planted Soybean Variety Performance, 2011, Irrigated

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### Early-Planted Soybean Variety Performance, 2011, Irrigated (Continued)

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* 2010-2011.
1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 11.0% and df for EMS = 68.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
7. CV = 8.7% and df for EMS = 46.

**Bolding** within each test denotes entries with yields equal to the highest yielding entry based on Fisher’s protected LSD (P = 0.10).

Planted: May 18, 2011
Harvested: Maturity Group V - October 21, 2011.
Seeding Rate: Eight seeds per foot in 30” rows.
Soil Type: Appling coarse sandy loam.
Soil Test: P = Medium, K = Medium, and pH = 5.8.
Fertilization: 30 lb N, 60 lb P₂O₅, and 90 lb K₂O/acre.
Previous Crop: Wheat.
Management: Chisle plowed, disked and rototilled; Treflan used for weed control; Karate used for insect control; irrigated 20 inches.

Test conducted by J. Gassett and G. Ware.
## Griffin, Georgia:
### Late-Planted Soybean Variety Performance, 2011, Irrigated

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Griffin, Georgia:
Late-Planted Soybean Variety Performance, 2011, Irrigated
(Continued)

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* 2010-2011.
1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 15.6% and df for EMS = 92.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.

**Bolding** within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: June 22, 2011.
Harvested: November 15, 2011.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Pacolet coarse sandy loam.
Soil Test: P = High, K = High, and pH = 5.7.
Fertilization: 30 lb N, 60 lb P₂O₅, and 90 lb K₂O/acre.
Previous Crop: Corn.
Management: Chisel plowed, disked and rototilled; Treflan, Blazer and Classic used for weed control; Lorsban and Karate used for insect control; irrigated 15 inches.

Test conducted by J. Gassett and G. Ware.
## Athens, Georgia:
### Early-Planted Soybean Variety Performance, 2011, Irrigated

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### Average

| Average | 19.5 | 10/14 | 25 | 1.0 | 14.4 | 2.0 |

| LSD at 10% Level | N.S. | 3.9 | 04 | 3 | N.S. | 0.8 | 0.4 |

| Std. Err. of Entry Mean | 1.5 | 1.6 | 02 | 1 | 0.1 | 0.4 | 0.2 |
# Athens, Georgia:
## Early-Planted Soybean Variety Performance, 2011, Irrigated

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* 2010-2011
1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 14.1% and df for EMS = 68.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
6. CV = 14.6% and df for EMS = 46.
7. CV = 18.1% and df for EMS = 92.

**Bolding** within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

**Planted:** May 31, 2011.
**Harvested:**
- Maturity Group V - October 24, 2011.
- Maturity Group VI - October 31, 2011.
- Maturity Group VII & VIII - November 18, 2011.
**Seeding Rate:** Eight seeds per foot in 30” rows.
**Soil Type:** Cecil coarse sandy loam.
**Soil Test:**
- Maturity Group V - P = High, K = Medium, and pH = 6.3.
- Maturity Group VI - P = Medium, K = High, and pH = 6.6.
- Maturity Group VII & VIII - P = High, K = Medium, and pH = 6.3.
**Fertilization:** 14 lb N, 52 lb P2O5, and 105 lb K2O/acre.
**Previous Crop:** Grain sorghum.
**Management:** Chisel plowed and disked; Valor XLT, Prowl and one cultivation used for weed control; Endigo used for insect control; Telone II used for nematode control; irrigated 6 inches.

## Calhoun, Georgia: Early-Planted Soybean Variety Performance, 2011, Irrigated

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## Calhoun, Georgia:
### Early-Planted Soybean Variety Performance, 2011, Irrigated
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Calhoun, Georgia: 
Early-Planted Soybean Variety Performance, 2011, Irrigated
(Continued)

* 2010-2011.
1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: Rated 1 (no shattering) to 5 (>50% pods shattered).
5. CV = 16.8% and df for EMS = 68.
6. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore, a LSD value was not calculated.
7. CV = 19.8% and df for EMS = 46.

**Bolding** within each test denotes entries with yields equal to the highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: May 19, 2011.
Harvested: Maturity Group V - October 27, 2011.
Maturity Group VI - November 8, 2011.
Seeding Rate: Eight seeds per foot in 30" rows.
Soil Type: Rome gravelly clay loam.
Soil Test: Maturity Group V - P = High, K = Very High, and pH = 5.4.
Maturity Group VI - P = High, K = Very High, and pH = 5.6.
Fertilization: 40 lb N, 65 lb P₂O₅, and 175 lb K₂O/acre.
Previous Crop: Maturity Group V - Corn.
Maturity Group VI - Small grain.
Management: Moldboard plowed, disked and rototilled; Treflan, Classic, Flexstar and two cultivations used for weed control; Endigo and Temik applied for insect control; irrigated 11 inches.

Test conducted by J. Gassett, G. Ware and J. Stubbs.