

*Performance  
of Soybean  
Varieties in  
Alabama,  
2011*

*Agronomy and Soils Departmental Series No. 320  
Alabama Agricultural Experiment Station  
William Batchelor, Director  
Auburn University, Auburn, Alabama,  
January 2012*

*Printed in cooperation with the Alabama Cooperative Extension System  
(Alabama A&M University and Auburn University)*

## TABLE OF CONTENTS

|                               |   |
|-------------------------------|---|
| Introduction .....            | 4 |
| Experimental procedures ..... | 4 |
| Seasonal conditions .....     | 5 |
| Comparing varieties.....      | 5 |
| Acknowledgements .....        | 5 |
| Locations of experiments      |   |

### **NORTHERN ALABAMA**

|   |    |
|---|----|
| Table 1. Performance of Group IV Soybean Varieties in Northern Alabama, 2011.....                                       | 6  |
| Table 2. Performance of Group IV Soybean Varieties at Belle Mina.,<br>Three-year Summary, 2009 - 2011.....              | 7  |
| Table 3. Performance of Group IV Soybean Varieties at Tallassee Alabama, 2011 .....                                     | 8  |
| Table 4. Performance of Group IV Soybean Varieties at at Tallassee.,,<br>Three-year Summary, 2009 - 2011.....           | 9  |
| Table 5. Performance of Group IV and V Soybean Varieties in Northern Alabama, 2011 .....                                | 10 |
| Table 6. Performance of Group IV and V Soybean Varieties in Northern Alabama,<br>Three-year Summary, 2009 - 2011.....   | 12 |
| Table 7. Performance of Group V Soybean Varieties in Northern Alabama, 2011 .....                                       | 14 |
| Table 8. Performance of Group VI and VII Soybean Varieties in Northern Alabama, 2011 .....                              | 16 |
| Table 9. Performance of Group VI and VII Soybean Varieties in Northern Alabama,<br>Three-year Summary, 2009 - 2011..... | 17 |

### **CENTRAL ALABAMA**

|  |    |
|--|----|
| Table 10. Performance of Soybean Varieties at Shorter, Alabama, 2011.....  | 18 |
| Table 11. Performance of Soybean Varieties at Shorter, Alabama,<br>Three-year Summary, 2009 - 2011.....  | 20 |
| Table 12. Performance of Group VI and VII Soybean Varieties at Shorter, Alabama, 2011 .....  | 21 |
| Table 13. Performance of Group VI and VII Soybean Varieties at Shorter, Alabama,<br>Three-year Summary, 2009 - 2011.....                           | 22 |
| Table 14. Performance of Group IV and V Soybean Varieties on Vaiden Soil,<br>Marion Junction, Alabama, 2011 .....                                  | 24 |
| Table 15. Performance of Group IV and V Soybean Varieties on Vaiden Soil,<br>Marion Junction, Alabama, 2011, Three-year Summary, 2009 - 2011 ..... | 25 |
| Table 16. Performance of Group IV and V Soybean Varieties on Sumter Soil,<br>Marion Junction, Alabama, 2011 .....                                  | 26 |

|  |    |
|--|----|
| Table 17. Performance of Group VI and VII Soybean Varieties on Vaiden Soil,<br>Marion Junction, Alabama, 2011 .....                                  | 27 |
| Table 18. Performance of Group VI and VII Soybean Varieties on Vaiden Soil,<br>Marion Junction, Alabama, 2011, Three-year Summary, 2009 - 2011 ..... | 28 |
| Table 19. Performance of Group VI and VII Soybean Varieties on Sumter Soil,<br>Marion Junction, Alabama, 2011 .....                                  | 29 |
| <b>SOUTHERN ALABAMA</b>  |    |
| Table 20. Performance of Soybean Varieties at Fairhope, Alabama, 2011 .....  | 30 |
| Table 21. Performance of Soybean Varieties at Fairhope, Alabama,<br>Three-year Summary, 2009 - 2011 .....  | 31 |
| Table 22. Performance of Group VI and VII Soybean Varieties at Fairhope, Alabama, 2011 .....   | 32 |
| Table 23. Performance of Group VI and VII Soybean Varieties at Fairhope, Alabama,<br>Three-year Summary, 2009 - 2011 .....                           | 33 |
| Table 24. Performance of Soybean Varieties at Brewton, Alabama, 2011 .....   | 34 |
| Table 25. Performance of Soybean Varieties at Brewton, Alabama,<br>Three-year Summary, 2009 and 2011 .....   | 36 |
| Table 26. Performance of Soybean Varieties at Brewton, Alabama, 2011 .....   | 38 |
| Table 27. Performance of Soybean Varieties at Brewton, Alabama,<br>Three-year Summary, 2009 and 2011 .....   | 39 |
| <b>ANCILLARY INFORMATION</b>   |    |
| Table 28. Cultural Practices for Soybean Variety Tests in 2011 .....   | 40 |
| Table 29. Soil Types for Soybean Tests, 2011 .....   | 40 |
| Table 30. Rainfall at Test Locations During Growing Season, 2011 .....   | 41 |
| Table 31. Entries and Sources of Seed for Soybean Tests, 2011 .....  | 42 |

# PERFORMANCE OF SOYBEAN VARIETIES IN ALABAMA, 2011

K. M. Glass, D.P. Delaney, and Edzard van Santen

Advisor, Natl. Res. Prog., Extension Soybean Specialist, and Professor

## INTRODUCTION

Soybean variety tests are conducted annually by the Alabama Agricultural Experiment Station. The 7 locations used represent the major soil and climatic regions of Alabama. These locations are divided into logical soybean growing regions. The regions and locations are:

| Region     | Location                  |
|------------|---------------------------|
| Northern   | Belle Mina, Crossville    |
| Central    | Tallassee, Shorter        |
| Southern   | Brewton                   |
| Black Belt | Marion Junction (2 soils) |
| Gulf Coast | Fairhope                  |

## EXPERIMENTAL PROCEDURES

The standard tests were conducted as a randomized complete block design with four replications. Standard plot size was four 30- to 38-inch rows by 20 feet long. Fifteen feet of the middle two rows were harvested for yield. Seeding rate was 10 viable seeds per foot of row. The Group IV test was drilled with seven 7-inch rows. Seeding rate was five viable seeds per foot of row.

Data were collected on seed yield, moisture, lodging, shattering, plant height, and maturity date. Plot yields were adjusted to 13 percent moisture and converted to bushels (60 pounds) per acre. Lodging was scored on a scale of 1 to 5 as follows:

- 1 - almost all plants erect.
- 2 - either all plants leaning slightly (less than 45%) or a few plants down.
- 3 - either all plants leaning moderately (approximately 45%) or 25 to 50 percent of the plants down.
- 4 - either all plants leaning more than 45% or 50 to 80 percent of the plants down.
- 5 - more than 80 percent of the plants down.

Shattering was rated on a scale of 1 to 5 based on performance of the border rows 14 days after maturity. A rating of 1 indicates no shattering, a rating of 3 indicates a 4 to 8 percent shattering, and a rating of 5 is 20 percent or more shattering. Plant height was determined by measuring from the ground to the top of the plant at maturity. Maturity date was the day 95 percent of the pods achieved mature pod color. Harvest was approximately 7 to 10 days later.

## **SEASONAL CONDITIONS**

Rainfall for 2011 is shown in Table 30. The normal planting dates for the standard tests are the first week in May, May 15-25, and May 25 to June 5 for northern, central, and southern Alabama locations, respectively.

## **COMPARING VARIETIES**

To aid in determining real yield differences, a statistical analysis of variance was performed on the data from each location. The L.S.D. (least significant difference) and C.V. (coefficient of variation) are reported for each location's 2011 test, and for the location's or region's 2- and 3-year averages. The difference in yield of two varieties must exceed the L.S.D. value for one variety to be considered superior to others in yield in that particular test. The C.V. is a measure of the variability in an experiment. An increase in its value indicates an increase in the unexplained variability.

Since the performance of varieties varies with location and year, long-term averages from several locations are more reliable than 1-year performance. Three-year regional averages are considered a reliable evaluation of the relative performance of varieties. However varietal rankings may change among years and among locations. This change in rankings is measured by the significance of variety x location, variety x year, variety x location\*year interaction. These interactions were significant in all cases. Thus, care should be exercised when extrapolating results from one location or year to another.

## **ACKNOWLEDGMENTS**

Appreciation is expressed to the following station superintendents and their staffs. It is their quality work, which makes this report a reliable source of information for farmers in their regions.

Chet Norris and David Harkins, Tennessee Valley Research and Extension Center; Joyce Ducar, Sand Mountain Research and Extension Center; Steve Nightengale, E.V. Smith Research Center, Plant Breeding Unit; Shawn Scott, E.V. Smith Research Center, Field Crops Research Unit; Jimmy Holliman, Black Belt Research and Extension Center; Randy Akridge, Brewton Agricultural Research Unit; Malcomb Pegues and Jarrod Jones, Gulf Coast Research and Extension Center.

**TABLE 1. PERFORMANCE OF GROUP IV SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2011**

| Variety             | Belle<br>Mina | Cross<br>ville | Regional Average |                  |                     |                 |                  |
|---------------------|---------------|----------------|------------------|------------------|---------------------|-----------------|------------------|
|                     |               |                | Yield            | Lodging<br>score | Shattering<br>score | Plant<br>height | Maturity<br>date |
|                     |               |                |                  |                  |                     |                 |                  |
| Maturity Group IV   |               |                |                  |                  |                     |                 |                  |
| USG 74H81           | †             | 74.4           | 74.4             | 1.3              | 1.5                 | 36              | 9-5              |
| Dyna-Gro 39D48      |               | 72.5           | 72.5             | 1.8              | 1.8                 | 35              | 9-5              |
| Terral REV 46R73    |               | 72.5           | 72.5             | 1.8              | 2.3                 | 35              | 9-10             |
| Terral REV 48R33    |               | 72.5           | 72.5             | 2.8              | 2.0                 | 38              | 9-5              |
| USG 74E88           |               | 65.8           | 65.8             | 2.0              | 2.0                 | 38              | 9-4              |
| Terral REV 49R43    |               | 64.4           | 64.4             | 1.8              | 1.3                 | 33              | 9-8              |
| SS RT 4808N         |               | 64.2           | 64.2             | 1.5              | 2.0                 | 35              | 9-9              |
| Terral REV 47R22    |               | 64.1           | 64.1             | 1.5              | 2.3                 | 38              | 9-9              |
| Asgrow AG 4932      |               | 63.5           | 63.5             | 1.8              | 1.8                 | 35              | 9-15             |
| Terral REV 48R22    |               | 62.8           | 62.8             | 1.5              | 2.0                 | 32              | 9-6              |
| Dyna-Gro 37RY47     |               | 62.8           | 62.8             | 1.3              | 1.8                 | 31              | 9-12             |
| Dyna-Gro 39RY43     |               | 61.7           | 61.7             | 1.3              | 1.8                 | 29              | 9-9              |
| SS LL 491N          |               | 61.6           | 61.6             | 1.0              | 2.0                 | 36              | 9-12             |
| SS 4700R2           |               | 61.5           | 61.5             | 1.3              | 1.8                 | 32              | 9-9              |
| Terral REV 49R11    |               | 60.7           | 60.7             | 1.0              | 2.0                 | 29              | 9-6              |
| Asgrow AG 4831      |               | 60.6           | 60.6             | 1.5              | 2.0                 | 35              | 9-12             |
| Terral REV 47R53    |               | 60.3           | 60.3             | 1.5              | 1.5                 | 34              | 9-9              |
| Schillinger 458.RCS |               | 59.9           | 59.9             | 1.3              | 2.0                 | 33              | 9-11             |
| USG 74A91           |               | 59.7           | 59.7             | 1.8              | 1.8                 | 36              | 9-15             |
| Terral REV 48R21    |               | 59.0           | 59.0             | 1.8              | 2.0                 | 32              | 9-13             |
| Terral REV 48R10    |               | 57.8           | 57.8             | 2.0              | 1.8                 | 31              | 9-3              |
| Terral REV 45R10    |               | 56.9           | 56.9             | 2.3              | 2.0                 | 38              | 9-3              |
| Dyna-Gro 35X43      |               | 56.6           | 56.6             | 1.5              | 1.8                 | 30              | 8-27             |
| Terral REV 44R22    |               | 56.2           | 56.2             | 1.5              | 1.5                 | 31              | 9-2              |
| Dyna-Gro 33RY47     |               | 52.7           | 52.7             | 1.5              | 2.0                 | 36              | 9-9              |
| Terral REV 49R22    |               | 51.9           | 51.9             | 2.3              | 1.8                 | 36              | 9-9              |
| SS 4711NR2          |               | 50.6           | 50.6             | 2.0              | 2.0                 | 36              | 9-11             |
| Schillinger 495.RC  |               | 50.6           | 50.6             | 2.0              | 2.0                 | 37              | 9-13             |
| SS RT 4996N         |               | 49.7           | 49.7             | 2.3              | 2.0                 | 35              | 9-11             |
| Schillinger 4990.RC |               | 48.4           | 48.4             | 1.3              | 2.0                 | 35              | 9-14             |
| SS LL 499N          |               | 47.5           | 47.5             | 1.3              | 1.7                 | 35              | 9-16             |
| Schillinger 478 RCS |               | 42.5           | 42.5             | 1.0              | 2.0                 | 33              | 9-15             |
| Maturity Group V    |               |                |                  |                  |                     |                 |                  |
| SS RT 5160N         |               | 47.2           | 47.2             | 1.8              | 2.0                 | 31              | 9-18             |
| <b>Trial mean</b>   |               | 59.2           | 59.2             | 1.6              | 1.9                 | 34.2            | 9-9              |
| <b>LSD(0.10)</b>    |               | 10.5           | 9.1              | 0.6              | 0.3                 | 2               | 1-3              |
| <b>CV (%)</b>       |               | 17.5           | 17.5             | 39.9             | 20.7                | 7               | 1-1              |

<sup>†</sup> Trial at Belle Mina could not be planted due to excessive rain.

**TABLE 2. PERFORMANCE OF GROUP IV SOYBEAN VARIETIES IN NORTH ALABAMA, THREE-YEAR SUMMARY, 2009 - 2011**

| Variety                  | Yield               |          |          | Lodging score | Shattering score | Plant height | Maturity date |  |  |  |
|--------------------------|---------------------|----------|----------|---------------|------------------|--------------|---------------|--|--|--|
|                          | 2011                | 2-yr avg | 3-yr avg |               |                  |              |               |  |  |  |
|                          | ----- bu/acre ----- |          |          |               |                  |              |               |  |  |  |
| <b>Maturity Group IV</b> |                     |          |          |               |                  |              |               |  |  |  |
| SS LL 499N               | 47.5                | 35.5     | 48.0     | 1.1           | 1.9              | 48           | 9-13          |  |  |  |
| Schillinger 495.RC       | 50.6                | 39.3     | 45.5     | 1.6           | 2.1              | 33           | 9-8           |  |  |  |
| Schillinger 4990.RC      | 48.4                | 36.4     | 45.5     | 1.2           | 1.8              | 31           | 9-9           |  |  |  |
| SS RT 4808N              | 64.2                | 43.8     | 43.0     | 1.3           | 1.5              | 45           | 9-7           |  |  |  |
| SS RT 4996N              | 49.7                | 37.0     | 42.2     | 1.5           | 1.7              | 30           | 9-10          |  |  |  |
| Terral REV 45R10         | 56.9                | 47.1     |          | 1.5           | 2.2              | 35           | 8-23          |  |  |  |
| Terral REV 48R22         | 62.8                | 44.9     |          | 1.3           | 2.0              | 31           | 8-28          |  |  |  |
| Terral REV 47R22         | 64.1                | 44.7     |          | 1.2           | 2.0              | 35           | 8-28          |  |  |  |
| Terral REV 49R11         | 60.7                | 44.4     |          | 1.0           | 1.9              | 29           | 8-27          |  |  |  |
| Schillinger 458.RCS      | 59.9                | 44.2     |          | 1.2           | 1.9              | 31           | 9-1           |  |  |  |
| SS 4700R2                | 61.5                | 42.9     |          | 1.1           | 1.3              | 29           | 8-31          |  |  |  |
| Terral REV 44R22         | 56.2                | 42.8     |          | 1.2           | 1.3              | 29           | 8-25          |  |  |  |
| USG 74A91                | 59.7                | 42.6     |          | 1.3           | 1.5              | 34           | 9-5           |  |  |  |
| Terral REV 48R21         | 59.0                | 42.4     |          | 1.3           | 1.9              | 31           | 9-1           |  |  |  |
| Terral REV 48R10         | 57.8                | 41.4     |          | 1.5           | 2.3              | 31           | 8-28          |  |  |  |
| Terral REV 49R22         | 51.9                | 40.4     |          | 1.6           | 2.2              | 36           | 9-1           |  |  |  |
| Schillinger 478 RCS      | 42.5                | 34.7     |          | 1.0           | 1.8              | 31           | 9-3           |  |  |  |
| USG 74H81                | 74.4                |          |          | 1.3           | 1.5              | 36           | 9-5           |  |  |  |
| Dyna-Gro 39D48           | 72.5                |          |          | 1.8           | 1.8              | 35           | 9-5           |  |  |  |
| Terral REV 46R73         | 72.5                |          |          | 1.8           | 2.3              | 35           | 9-10          |  |  |  |
| Terral REV 48R33         | 72.5                |          |          | 2.8           | 2.0              | 38           | 9-5           |  |  |  |
| USG 74E88                | 65.8                |          |          | 2.0           | 2.0              | 38           | 9-4           |  |  |  |
| Terral REV 49R43         | 64.4                |          |          | 1.8           | 1.3              | 33           | 9-8           |  |  |  |
| Asgrow AG 4932           | 63.5                |          |          | 1.8           | 1.8              | 35           | 9-15          |  |  |  |
| Dyna-Gro 37RY47          | 62.8                |          |          | 1.3           | 1.8              | 31           | 9-12          |  |  |  |
| Dyna-Gro 39RY43          | 61.7                |          |          | 1.3           | 1.8              | 29           | 9-9           |  |  |  |
| SS LL 491N               | 61.6                |          |          | 1.0           | 2.0              | 36           | 9-12          |  |  |  |
| Asgrow AG 4831           | 60.6                |          |          | 1.5           | 2.0              | 35           | 9-12          |  |  |  |
| Terral REV 47R53         | 60.3                |          |          | 1.5           | 1.5              | 34           | 9-9           |  |  |  |
| Dyna-Gro 35X43           | 56.6                |          |          | 1.5           | 1.8              | 30           | 8-27          |  |  |  |
| Dyna-Gro 33RY47          | 52.7                |          |          | 1.5           | 2.0              | 36           | 9-9           |  |  |  |
| SS 4711NR2               | 50.6                |          |          | 2.0           | 2.0              | 36           | 9-11          |  |  |  |
| <b>Maturity Group V</b>  |                     |          |          |               |                  |              |               |  |  |  |
| SS RT 5160N              | 47.2                | 35.1     | 47.2     | 1.4           | 1.7              | 33           | 9-19          |  |  |  |
| <b>Trial mean</b>        | 59.2                | 41.1     | 45.2     | 1.4           | 1.8              | 34           | 9-5           |  |  |  |
| <b>LSD(0.10)</b>         | 10.9                | 4.2      | 4.8      |               |                  |              |               |  |  |  |
| <b>CV (%)</b>            | 17.5                | 16.6     | 22.0     |               |                  |              |               |  |  |  |

<sup>†</sup> Data do not include the trial at Belle Mina in 2011, which could not be planted due to excessive rain.

**TABLE 3. PERFORMANCE OF GROUP IV SOYBEAN VARIETIES IN TALLASSEE, ALABAMA, 2011**

| Variety                  | Yield<br>- bu/acre - | Lodging<br>score | Shattering<br>score | Plant<br>height | Maturity<br>date |
|--------------------------|----------------------|------------------|---------------------|-----------------|------------------|
|                          |                      | - inches -       |                     |                 |                  |
| <b>Maturity Group IV</b> |                      |                  |                     |                 |                  |
| Terral REV 49R22         | 52.0                 | 1.0              | 2.3                 | 29              | 9-6              |
| Asgrow AG 4831           | 49.1                 | 1.8              | 1.3                 | 27              | 9-12             |
| Asgrow AG 4932           | 48.3                 | 1.0              | 2.5                 | 29              | 9-8              |
| SS RT 4808N              | 46.1                 | 1.0              | 1.8                 | 25              | 9-11             |
| SS RT 4996N              | 46.1                 | 1.0              | 2.0                 | 28              | 9-9              |
| SS 4711NR2               | 44.9                 | 1.0              | 1.8                 | 28              | 9-5              |
| Terral REV 48R21         | 44.8                 | 1.0              | 2.8                 | 24              | 9-3              |
| Terral REV 48R22         | 43.2                 | 1.0              | 1.5                 | 26              | 8-30             |
| Terral REV 44R22         | 43.2                 | 1.0              | 1.5                 | 24              | 8-28             |
| SS 4700R2                | 42.6                 | 1.0              | 2.0                 | 23              | 9-12             |
| Terral REV 48R10         | 42.4                 | 1.0              | 1.5                 | 23              | 9-2              |
| Terral REV 47R53         | 40.9                 | 1.0              | 1.8                 | 25              | 9-3              |
| Terral REV 49R11         | 39.1                 | 1.0              | 2.0                 | 25              | 8-26             |
| Terral REV 47R22         | 38.8                 | 1.0              | 2.5                 | 25              | 9-4              |
| Terral REV 49R43         | 37.6                 | 1.0              | 1.5                 | 23              | 8-31             |
| Terral REV 48R33         | 37.0                 | 1.0              | 1.3                 | 28              | 8-30             |
| Terral REV 45R10         | 36.2                 | 1.0              | 2.3                 | 30              | 8-26             |
| Terral REV 46R73         | 33.3                 | 1.0              | 2.3                 | 29              | 8-26             |
| SS LL 491N <sup>†</sup>  | 19.2                 | 1.0              | 2.0                 | 24              | 9-15             |
| SS LL 499N <sup>†</sup>  | 16.8                 | 1.3              | 2.0                 | 24              | 9-21             |
| <b>Maturity Group V</b>  |                      |                  |                     |                 |                  |
| SS RT 5160N              | 42.5                 | 1.0              | 1.0                 | 31              | 9-12             |
| <b>Trial mean</b>        | 42.5                 | 1.0              | 1.3                 | 33              | 8-28             |
| <b>LSD(0.10)</b>         | 7.1                  |                  |                     |                 |                  |
| <b>CV (%)</b>            | 16.4                 |                  |                     |                 |                  |

<sup>†</sup> These entries suffered damage from Round-up. They were not included in the calculation of the trial mean.

**TABLE 4. PERFORMANCE OF GROUP IV SOYBEAN VARIETIES IN TALLASSEE, ALABAMA, THREE-YEAR SUMMARY, 2009 - 2011**

| Variety                  | Yield               |             |             | Lodging<br>score | Shattering<br>score | Plant<br>height | Maturity<br>date |  |  |  |
|--------------------------|---------------------|-------------|-------------|------------------|---------------------|-----------------|------------------|--|--|--|
|                          | 2011                | 2-yr<br>avg | 3-yr<br>avg |                  |                     |                 |                  |  |  |  |
|                          | ----- bu/acre ----- |             |             |                  |                     |                 |                  |  |  |  |
| <b>Maturity Group IV</b> |                     |             |             |                  |                     |                 |                  |  |  |  |
| SS RT 4996N              | 46.1                | 46.7        | 46.7        | 1.0              | 1.8                 | 30              | 9-8              |  |  |  |
| Terral REV 49R22         | 52.0                | 46.2        | 46.2        | 1.0              | 1.8                 | 32              | 9-5              |  |  |  |
| SS RT 4808N              | 46.1                | 45.6        | 45.6        | 1.0              | 1.4                 | 28              | 9-6              |  |  |  |
| Terral REV 48R22         | 43.2                | 43.4        | 43.4        | 1.0              | 1.8                 | 29              | 8-25             |  |  |  |
| Terral REV 44R22         | 43.2                | 42.1        | 42.1        | 1.0              | 1.4                 | 26              | 8-21             |  |  |  |
| Terral REV 48R21         | 44.8                | 42.0        | 42.0        | 1.0              | 1.9                 | 27              | 8-31             |  |  |  |
| SS 4700R2                | 42.6                | 41.2        | 41.2        | 1.0              | 1.5                 | 25              | 9-3              |  |  |  |
| Terral REV 47R22         | 38.8                | 39.6        | 39.6        | 1.0              | 1.9                 | 28              | 9-2              |  |  |  |
| Terral REV 48R10         | 42.4                | 39.4        | 39.4        | 1.0              | 1.8                 | 26              | 8-31             |  |  |  |
| Terral REV 49R11         | 39.1                | 39.1        | 39.1        | 1.0              | 1.8                 | 26              | 8-24             |  |  |  |
| Terral REV 45R10         | 36.2                | 36.7        | 36.7        | 1.0              | 2.0                 | 34              | 8-20             |  |  |  |
| Asgrow AG 4831           | 49.1                |             |             | 1.8              | 1.3                 | 27              | 9-12             |  |  |  |
| Asgrow AG 4932           | 48.3                |             |             | 1.0              | 2.5                 | 29              | 9-8              |  |  |  |
| SS 4711NR2               | 44.9                |             |             | 1.0              | 1.8                 | 28              | 9-5              |  |  |  |
| Terral REV 47R53         | 40.9                |             |             | 1.0              | 1.8                 | 25              | 9-3              |  |  |  |
| Terral REV 49R43         | 37.6                |             |             | 1.0              | 1.5                 | 23              | 8-31             |  |  |  |
| Terral REV 48R33         | 37.0                |             |             | 1.0              | 1.3                 | 28              | 8-30             |  |  |  |
| Terral REV 46R73         | 33.3                |             |             | 1.0              | 2.3                 | 29              | 8-26             |  |  |  |
| SS LL 491N <sup>†</sup>  | 19.2                |             |             | 1.0              | 2.0                 | 24              | 9-15             |  |  |  |
| SS LL 499N <sup>†</sup>  | 16.8                |             |             | 1.3              | 2.0                 | 24              | 9-21             |  |  |  |
| <b>Maturity Group V</b>  |                     |             |             |                  |                     |                 |                  |  |  |  |
| SS RT 5160N              | 42.5                | 43.8        | 43.8        | 1.0              | 1.4                 | 28              | 9-11             |  |  |  |
| <b>Trial mean</b>        | 42.5                | 42.1        | 42.1        | 1.0              | 1.7                 | 27              | 9-3              |  |  |  |
| <b>LSD(0.10)</b>         | 5.0                 | 4.2         | 3.4         |                  |                     |                 |                  |  |  |  |
| <b>CV (%)</b>            | 11.8                | 13.3        | 13.3        |                  |                     |                 |                  |  |  |  |

<sup>†</sup> These entries suffered damage from Round-up. They were not included in the calculation of the trial mean.

**TABLE 5. PERFORMANCE OF GROUP IV AND V SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2011**

| Variety                    | Belle<br>Mina       | Cross<br>ville | Yield      | Regional Average |                     |                 |                  |  |
|----------------------------|---------------------|----------------|------------|------------------|---------------------|-----------------|------------------|--|
|                            |                     |                |            | Lodging<br>score | Shattering<br>score | Plant<br>height | Maturity<br>date |  |
|                            | ----- bu/acre ----- |                | - inches - |                  |                     |                 |                  |  |
| <b>Maturity Group IV</b>   |                     |                |            |                  |                     |                 |                  |  |
| Croplan Genetics R2C4541   | 41.9                | 67.2           | 54.6       | 2.9              | 1.1                 | 37              | 9-17             |  |
| Croplan Genetics RC4207    | 33.3                | 68.9           | 51.1       | 2.2              | 1.8                 | 36              | 9-20             |  |
| Croplan Genetics R2C4520   | 35.9                | 63.6           | 49.7       | 1.6              | 1.3                 | 35              | 9-15             |  |
| Progeny P 4811RY           | 40.8                | 54.2           | 47.5       | 2.7              | 1.6                 | 37              | 9-19             |  |
| Progeny P 4710RY           | 37.3                | 55.4           | 46.4       | 2.6              | 1.6                 | 36              | 9-21             |  |
| Croplan Genetics R2C4391   | 32.6                | 58.7           | 45.6       | 1.9              | 1.4                 | 34              | 9-21             |  |
| Croplan Genetics RC 4757   | 35.8                | 53.4           | 44.6       | 1.8              | 1.5                 | 32              | 9-19             |  |
| Progeny P 4928LL           | 31.9                | 51.7           | 41.8       | 2.6              | 1.7                 | 34              | 9-21             |  |
| Croplan Genetics R2C4801   | 30.7                | 51.6           | 41.1       | 2.1              | 1.9                 | 39              | 9-18             |  |
| Progeny P 4908RR           | 36.9                | 44.9           | 40.9       | 3.0              | 1.3                 | 36              | 9-21             |  |
| UA 4910                    | 30.7                | 49.3           | 40.0       | 2.3              | 1.1                 | 35              | 9-21             |  |
| Croplan Genetics RC 4877RR | 29.8                | 49.9           | 39.8       | 2.7              | 1.3                 | 37              | 9-18             |  |
| Progeny P 4906RR           | 33.8                | 45.1           | 39.5       | 3.0              | 1.8                 | 37              | 9-20             |  |
| Croplan Genetics RC 4998RR | 37.0                | 41.7           | 39.4       | 1.6              | 1.5                 | 40              | 9-30             |  |
| Progeny P 4910             | 31.2                | 44.1           | 37.6       | 3.8              | 1.5                 | 39              | 9-22             |  |
| Progeny P 4911RY           | 31.5                | 40.0           | 35.7       | 2.7              | 1.3                 | 39              | 9-26             |  |

*continued*

**TABLE 5. CONTINUED**

| Variety                    | Belle<br>Mina | Cross<br>ville | Yield | Regional Average    |                     |                 |                  |
|----------------------------|---------------|----------------|-------|---------------------|---------------------|-----------------|------------------|
|                            |               |                |       | Lodging<br>score    | Shattering<br>score | Plant<br>height | Maturity<br>date |
|                            |               |                |       | ----- bu/acre ----- |                     | - inches -      |                  |
| <b>Maturity Group V</b>    |               |                |       |                     |                     |                 |                  |
| Ozark                      | 42.6          | 60.9           | 51.7  | 3.7                 | 1.1                 | 29              | 10-1             |
| Progeny P 5330RR           | 40.7          | 61.3           | 51.0  | 3.7                 | 1.5                 | 30              | 10-2             |
| Dyna-Gro 32A53             | 42.5          | 57.8           | 50.2  | 4.0                 | 1.7                 | 30              | 10-4             |
| Terral REV 51R53           | 39.0          | 60.5           | 49.7  | 3.4                 | 1.3                 | 33              | 9-30             |
| Croplan Genetics RC 5419RR | 41.7          | 56.0           | 48.8  | 3.2                 | 1.3                 | 33              | 10-8             |
| Dyna-Gro 37RY52            | 44.7          | 51.3           | 48.0  | 4.3                 | 1.3                 | 28              | 9-29             |
| Progeny P 511RY            | 38.3          | 56.7           | 47.5  | 3.0                 | 1.3                 | 33              | 10-1             |
| USG 75Z38                  | 40.3          | 54.4           | 47.3  | 3.5                 | 1.4                 | 30              | 10-7             |
| SS 5111R2                  | 39.8          | 54.6           | 47.2  | 3.4                 | 1.3                 | 41              | 10-3             |
| Croplan Genetics R2C5007   | 37.5          | 56.8           | 47.1  | 3.6                 | 1.4                 | 35              | 10-2             |
| SS 5112NR2                 | 38.6          | 55.5           | 47.1  | 3.1                 | 1.5                 | 33              | 10-2             |
| Progeny P 5210RY           | 39.6          | 53.7           | 46.6  | 4.2                 | 1.4                 | 30              | 9-28             |
| HALO 5:25                  | 39.6          | 52.9           | 46.3  | 3.4                 | 1.3                 | 31              | 9-30             |
| Progeny P 5218RR           | 34.8          | 57.1           | 46.0  | 3.6                 | 1.2                 | 31              | 10-4             |
| Progeny P 5160LL           | 34.9          | 56.4           | 45.6  | 2.8                 | 1.1                 | 29              | 9-29             |
| SS 5312NR2                 | 36.9          | 54.0           | 45.5  | 3.6                 | 1.4                 | 34              | 9-28             |
| Progeny P 5191             | 35.6          | 52.8           | 44.2  | 4.0                 | 1.3                 | 28              | 9-30             |
| Progeny P 5460LL           | 39.6          | 48.4           | 44.0  | 2.5                 | 1.6                 | 32              | 9-27             |
| SS EXP LL 501N             | 35.1          | 51.3           | 43.2  | 3.7                 | 1.4                 | 34              | 9-27             |
| Progeny P 5261LL           | 35.9          | 50.3           | 43.1  | 3.6                 | 1.0                 | 30              | 9-28             |
| Schillinger 5220.RC        | 35.0          | 49.5           | 42.2  | 3.5                 | 1.3                 | 36              | 9-27             |
| SS LL 511N                 | 32.7          | 51.2           | 41.9  | 2.9                 | 1.4                 | 31              | 10-1             |
| Asgrow AG 5232             | 35.4          | 46.9           | 41.2  | 2.7                 | 1.4                 | 34              | 9-27             |
| Progeny P 5321RY           | 31.3          | 47.6           | 39.5  | 3.7                 | 1.5                 | 37              | 9-29             |
| SS 5311NR2                 | 31.5          | 45.3           | 38.4  | 2.9                 | 1.4                 | 40              | 10-4             |
| USG 75T18                  | 34.0          | 42.3           | 38.2  | 3.2                 | 1.5                 | 31              | 9-27             |
| Croplan Genetics R2C5360   | 31.7          | 43.7           | 37.7  | 2.5                 | 1.4                 | 35              | 9-27             |
| <b>Trial mean</b>          | 36.3          | 52.8           | 44.5  | 3.0                 | 1.4                 | 33.9            | 9-27             |
| <b>LSD(0.10)</b>           | 5.4           | 6.8            | 4.4   |                     |                     |                 |                  |
| <b>CV (%)</b>              | 14.7          | 12.9           | 14.0  |                     |                     |                 |                  |

**TABLE 6. PERFORMANCE OF GROUP IV AND V SOYBEAN VARIETIES IN NORTHERN ALABAMA, THREE-YEAR SUMMARY, 2009 - 2011**

| Variety                    | Yield               |             |             | Lodging<br>score | Shattering<br>score | Plant<br>height | Maturity<br>date |  |  |  |
|----------------------------|---------------------|-------------|-------------|------------------|---------------------|-----------------|------------------|--|--|--|
|                            | 2011                | 2-yr<br>avg | 3-yr<br>avg |                  |                     |                 |                  |  |  |  |
|                            | ----- bu/acre ----- |             |             |                  |                     |                 |                  |  |  |  |
| <b>Maturity Group IV</b>   |                     |             |             |                  |                     |                 |                  |  |  |  |
| Progeny P 4908RR           | 40.9                | 31.1        | 44.5        | 2.0              | 1.8                 | 37              | 9-24             |  |  |  |
| Progeny P 4906RR           | 39.5                | 29.7        | 44.0        | 2.0              | 2.0                 | 36              | 9-23             |  |  |  |
| UA 4910                    | 40.0                | 30.7        |             | 1.6              | 1.4                 | 32              | 9-21             |  |  |  |
| Croplan Genetics R2C4541   | 54.6                |             |             | 2.9              | 1.1                 | 37              | 9-17             |  |  |  |
| Croplan Genetics RC4207    | 51.1                |             |             | 2.1              | 1.9                 | 35              | 9-19             |  |  |  |
| Croplan Genetics R2C4520   | 49.7                |             |             | 1.6              | 1.3                 | 35              | 9-15             |  |  |  |
| Progeny P 4811RY           | 47.5                |             |             | 2.6              | 1.6                 | 38              | 9-19             |  |  |  |
| Progeny P 4710RY           | 46.4                |             |             | 2.4              | 1.6                 | 36              | 9-21             |  |  |  |
| Croplan Genetics R2C4391   | 45.6                |             |             | 1.9              | 1.4                 | 34              | 9-21             |  |  |  |
| Croplan Genetics RC 4757   | 44.6                |             |             | 1.7              | 1.4                 | 32              | 9-18             |  |  |  |
| Progeny P 4928LL           | 41.8                |             |             | 2.6              | 1.7                 | 35              | 9-21             |  |  |  |
| Croplan Genetics R2C4801   | 41.1                |             |             | 2.1              | 1.9                 | 40              | 9-18             |  |  |  |
| Croplan Genetics RC 4877RR | 39.8                |             |             | 2.7              | 1.3                 | 37              | 9-18             |  |  |  |
| Croplan Genetics RC 4998RR | 39.4                |             |             | 1.6              | 1.6                 | 40              | 10-1             |  |  |  |
| Progeny P 4910             | 37.6                |             |             | 3.9              | 1.4                 | 39              | 9-22             |  |  |  |
| Progeny P 4911RY           | 35.7                |             |             | 2.7              | 1.3                 | 39              | 9-26             |  |  |  |

*continued*

**TABLE 6. CONTINUED**

| Variety                    | Yield               |          |          |     | Lodging score | Shattering score | Plant height | Maturity date |  |  |
|----------------------------|---------------------|----------|----------|-----|---------------|------------------|--------------|---------------|--|--|
|                            | 2011                | 2-yr avg | 3-yr avg |     |               |                  |              |               |  |  |
|                            | ----- bu/acre ----- |          |          |     |               |                  | - inch -     |               |  |  |
| <b>Maturity Group V</b>    |                     |          |          |     |               |                  |              |               |  |  |
| Ozark                      | 51.7                | 38.2     | 47.1     | 2.4 | 1.3           | 34               | 10-1         |               |  |  |
| HALO 5:25                  | 46.3                | 34.2     | 45.0     | 2.2 | 1.4           | 30               | 9-30         |               |  |  |
| SS LL 511N                 | 41.9                | 31.5     | 44.1     | 2.2 | 1.3           | 31               | 10-1         |               |  |  |
| Croplan Genetics RC 5419RR | 48.8                | 34.8     | 43.5     | 2.5 | 1.3           | 38               | 10-7         |               |  |  |
| Progeny P 5218RR           | 46.0                | 33.1     | 41.9     | 2.7 | 1.6           | 35               | 10-5         |               |  |  |
| Progeny P 5330RR           | 51.0                | 37.7     |          | 2.8 | 2.1           | 33               | 9-27         |               |  |  |
| Progeny P 5210RY           | 46.6                | 33.0     |          | 2.9 | 1.6           | 33               | 9-25         |               |  |  |
| USG 75T18                  | 38.2                | 29.1     |          | 2.2 | 1.7           | 31               | 9-23         |               |  |  |
| Dyna-Gro 32A53             | 50.2                |          |          | 3.6 | 1.6           | 35               | 10-6         |               |  |  |
| Terral REV 51R53           | 49.7                |          |          | 3.3 | 1.3           | 33               | 9-30         |               |  |  |
| Dyna-Gro 37RY52            | 48.0                |          |          | 4.1 | 1.3           | 29               | 9-29         |               |  |  |
| Progeny P 511RY            | 47.5                |          |          | 3.0 | 1.3           | 33               | 10-2         |               |  |  |
| USG 75Z38                  | 47.3                |          |          | 3.4 | 1.4           | 31               | 10-8         |               |  |  |
| SS 5111R2                  | 47.2                |          |          | 3.4 | 1.3           | 42               | 10-4         |               |  |  |
| Croplan Genetics R2C5007   | 47.1                |          |          | 3.4 | 1.4           | 36               | 10-3         |               |  |  |
| SS 5112NR2                 | 47.1                |          |          | 3.0 | 1.6           | 34               | 10-3         |               |  |  |
| Progeny P 5160LL           | 45.6                |          |          | 2.9 | 1.1           | 29               | 9-29         |               |  |  |
| SS 5312NR2                 | 45.5                |          |          | 3.6 | 1.4           | 34               | 9-28         |               |  |  |
| Progeny P 5191             | 44.2                |          |          | 3.9 | 1.3           | 29               | 9-30         |               |  |  |
| Progeny P 5460LL           | 44.0                |          |          | 2.4 | 1.6           | 32               | 9-27         |               |  |  |
| SS EXP LL 501N             | 43.2                |          |          | 3.7 | 1.4           | 35               | 9-27         |               |  |  |
| Progeny P 5261LL           | 43.1                |          |          | 3.6 | 1.0           | 30               | 9-28         |               |  |  |
| Schillinger 5220.RC        | 42.2                |          |          | 3.4 | 1.3           | 36               | 9-27         |               |  |  |
| Asgrow AG 5232             | 41.2                |          |          | 2.7 | 1.4           | 34               | 9-27         |               |  |  |
| Progeny P 5321RY           | 39.5                |          |          | 3.7 | 1.6           | 38               | 9-30         |               |  |  |
| SS 5311NR2                 | 38.4                |          |          | 3.0 | 1.4           | 40               | 10-4         |               |  |  |
| Croplan Genetics R2C5360   | 37.7                |          |          | 2.4 | 1.4           | 35               | 9-27         |               |  |  |
| <b>Trial mean</b>          | 44.5                | 33.0     | 44.3     | 2.8 | 1.5           | 35               | 9-27         |               |  |  |
| <b>LSD(0.10)</b>           | 6.6                 | 3.2      | 3.5      |     |               |                  |              |               |  |  |
| <b>CV (%)</b>              | 14.0                | 16.0     | 16.7     |     |               |                  |              |               |  |  |

**TABLE 7. PERFORMANCE OF MID-LATE GROUP V SOYBEAN VARIETIES IN NORTHERN ALABAMA, 2011**

| Variety                  | Belle               | Cross | Regional Average |         |            |          |       |
|--------------------------|---------------------|-------|------------------|---------|------------|----------|-------|
|                          | Mina                | ville | Yield            | Lodging | Shattering | Plant    |       |
|                          | ----- bu/acre ----- |       | score            | score   | height     | Maturity |       |
| <b>Maturity Group V</b>  |                     |       |                  |         |            |          |       |
| Dyna-Gro 39RY57          | 55.6                | 64.5  | 60.0             | 3.8     | 1.3        | 34       | 10-5  |
| Terral REV 55R21         | 44.4                | 70.8  | 57.6             | 2.0     | 1.3        | 36       | 10-11 |
| Syngenta NK S 57-K3      | 44.5                | 69.0  | 56.7             | 3.0     | 1.3        | 37       | 10-9  |
| Progeny P 5711RY         | 51.3                | 60.2  | 55.8             | 3.1     | 1.6        | 36       | 10-8  |
| Progeny P 5622RR         | 47.1                | 63.3  | 55.2             | 3.1     | 1.4        | 37       | 10-7  |
| Terral REV 56R21         | 44.6                | 65.8  | 55.2             | 3.5     | 1.4        | 36       | 10-1  |
| Progeny P 5650RR         | 47.8                | 61.7  | 54.7             | 2.5     | 1.4        | 34       | 10-16 |
| Croplan Genetics R2C5820 | 41.0                | 68.5  | 54.7             | 2.3     | 1.3        | 36       | 10-1  |
| Progeny P 5610RY         | 44.1                | 65.0  | 54.6             | 2.8     | 1.0        | 36       | 10-1  |
| Progeny P 5770           | 45.2                | 63.6  | 54.4             | 3.6     | 1.5        | 33       | 10-16 |
| Syngenta NK S 54-V4      | 40.5                | 66.5  | 53.5             | 3.0     | 1.3        | 35       | 9-29  |
| SS 5511NR2               | 43.2                | 63.4  | 53.3             | 2.5     | 1.4        | 38       | 10-5  |
| HALO 5:65                | 45.3                | 61.2  | 53.3             | 2.2     | 1.1        | 36       | 10-3  |
| AGS 597RR                | 44.4                | 62.1  | 53.2             | 3.0     | 1.5        | 35       | 10-12 |
| SS RT 5930N              | 40.4                | 64.6  | 52.5             | 2.6     | 1.3        | 37       | 10-8  |
| Schillinger 557.RC       | 42.2                | 62.5  | 52.3             | 2.5     | 1.4        | 37       | 10-2  |
| Terral REV 56R63         | 40.5                | 63.7  | 52.1             | 2.8     | 1.5        | 37       | 10-6  |
| SS RT 5760N              | 38.4                | 65.6  | 52.0             | 2.6     | 1.5        | 37       | 10-12 |
| Progeny P 5330RR         | 45.6                | 58.2  | 51.9             | 2.4     | 1.3        | 37       | 9-29  |
| USG Allen RR             | 40.3                | 63.5  | 51.9             | 2.2     | 1.4        | 38       | 10-13 |
| Syngenta NK S 56-G6      | 41.5                | 62.1  | 51.8             | 2.9     | 1.4        | 36       | 10-4  |
| Dyna-Gro 32RY55          | 43.5                | 60.0  | 51.8             | 2.6     | 1.3        | 37       | 10-3  |
| Asgrow AG 5532           | 44.1                | 58.3  | 51.2             | 2.2     | 1.4        | 38       | 9-29  |
| Progeny P 5655RY         | 42.0                | 60.4  | 51.2             | 2.5     | 1.5        | 40       | 10-3  |
| Progeny P 5960LL         | 43.3                | 57.8  | 50.6             | 2.3     | 1.1        | 35       | 10-2  |
| SS LL 595N               | 42.0                | 58.1  | 50.1             | 2.3     | 1.4        | 36       | 10-1  |

*continued*

**TABLE 7. CONTINUED**

| Variety                    | Belle<br>Mina       | Cross<br>ville | Regional Average |                  |                     |                 |                  |
|----------------------------|---------------------|----------------|------------------|------------------|---------------------|-----------------|------------------|
|                            |                     |                | Yield            | Lodging<br>score | Shattering<br>score | Plant<br>height | Maturity<br>date |
|                            | ----- bu/acre ----- |                |                  |                  |                     | - inches -      |                  |
| <b>Maturity Group V</b>    |                     |                |                  |                  |                     |                 |                  |
| Osage                      | 39.5                | 60.3           | 49.9             | 2.9              | 1.0                 | 34              | 9-26             |
| SS RT 5960N                | 42.4                | 55.2           | 48.8             | 3.0              | 1.4                 | 36              | 10-11            |
| Asgrow AG 5732             | 40.2                | 57.1           | 48.7             | 2.6              | 1.3                 | 36              | 10-2             |
| Croplan Genetics RC 5663RR | 40.8                | 56.2           | 48.5             | 3.3              | 1.6                 | 33              | 10-1             |
| Asgrow AG 5832             | 37.2                | 58.9           | 48.1             | 2.8              | 1.3                 | 41              | 10-2             |
| Progeny P 5811RY           | 39.6                | 56.5           | 48.0             | 2.5              | 1.1                 | 33              | 9-30             |
| SS RT 5471N                | 39.7                | 55.7           | 47.7             | 2.1              | 1.1                 | 35              | 9-30             |
| SS LL 540N                 | 41.2                | 53.3           | 47.3             | 2.5              | 1.1                 | 37              | 9-28             |
| Asgrow AG 5632             | 31.5                | 60.5           | 46.0             | 3.0              | 1.1                 | 37              | 9-27             |
| Asgrow AG 5831             | 41.3                | 50.4           | 45.8             | 2.0              | 1.1                 | 35              | 10-1             |
| Terral REV 57R21           | 41.1                | 49.0           | 45.1             | 3.1              | 1.5                 | 38              | 10-2             |
| SS LL 590N                 | 37.2                | 52.7           | 45.0             | 2.3              | 1.1                 | 34              | 9-27             |
| Progeny P 5218RR           | 36.6                | 53.1           | 44.8             | 3.8              | 1.3                 | 33              | 10-7             |
| Croplan Genetics RC 5419RR | 36.3                | 52.0           | 44.1             | 3.0              | 1.1                 | 35              | 10-4             |
| SS 5510NR2                 | 26.6                | 58.0           | 42.3             | 2.5              | 1.5                 | 41              | 9-29             |
| Progeny P 5460LL           | 28.7                | 51.6           | 40.1             | 1.9              | 1.6                 | 39              | 9-25             |
| <b>Trial mean</b>          | 41.5                | 60.0           | 50.8             | 2.7              | 1.3                 | 36              | 10-4             |
| <b>LSD(0.10)</b>           | 5.6                 | 7.4            | 4.7              |                  |                     |                 |                  |
| <b>CV (%)</b>              | 13.4                | 12.2           | 13.2             |                  |                     |                 |                  |

**TABLE 8. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES IN NORTHERN ALABAMA,  
2011**

| Variety                   | Belle<br>Mina       | Cross<br>ville | Regional Average |                  |                     |                 |       |
|---------------------------|---------------------|----------------|------------------|------------------|---------------------|-----------------|-------|
|                           |                     |                | Yield            | Lodging<br>score | Shattering<br>score | Plant<br>height |       |
|                           | ----- bu/acre ----- |                | - inches -       |                  |                     |                 |       |
| <b>Maturity Group VI</b>  |                     |                |                  |                  |                     |                 |       |
| SS 6911NR2                | 55.5                | 33.4           | 44.7             | 1.4              | 1.5                 | 31              | 10-27 |
| Progeny P 6710RY          | 55.0                | 31.6           | 43.3             | 1.3              | 1.4                 | 28              | 10-28 |
| SS RT 6988N               | 48.0                | 37.1           | 42.6             | 2.4              | 1.3                 | 29              | 10-29 |
| SS RT 6810Nr2             | 51.1                | 33.8           | 42.5             | 1.3              | 1.1                 | 31              | 10-28 |
| NK Brand S61-Q2           | 46.5                | 34.1           | 40.6             | 1.9              | 1.3                 | 30              | 10-20 |
| SS RT 6451N               | 38.7                | 29.0           | 33.9             | 2.5              | 1.3                 | 29              | 10-20 |
| R04-342                   | 45.6                |                |                  |                  |                     |                 |       |
| <b>Maturity Group VII</b> |                     |                |                  |                  |                     |                 |       |
| Progeny P 7310RY          | 56.3                | 49.3           | 52.8             | 2.3              | 1.1                 | 29              | 11-1  |
| Asgrow AG 7231            | 54.2                | 45.9           | 50.1             | 3.1              | 1.5                 | 28              | 11-1  |
| Asgrow AG 7532            | 51.3                | 45.3           | 48.3             | 2.5              | 1.1                 | 30              | 11-2  |
| <b>Trial mean</b>         | 50.2                | 37.7           | 44.3             | 2.1              | 1.3                 | 29              | 10-28 |
| <b>LSD(0.10)</b>          | 3.9                 | 9.0            | 5.2              |                  |                     |                 |       |
| <b>CV (%)</b>             | 7.4                 | 23.3           | 16.2             |                  |                     |                 |       |

**TABLE 9. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES IN NORTHERN ALABAMA, THREE-YEAR SUMMARY, 2009 - 2011**

| Variety                   | Yield               |          |          | Lodging score | Shattering score | Plant height | Maturity date |  |  |
|---------------------------|---------------------|----------|----------|---------------|------------------|--------------|---------------|--|--|
|                           | 2011                | 2-yr avg | 3-yr avg |               |                  |              |               |  |  |
|                           | ----- bu/acre ----- |          |          |               |                  | - inch -     |               |  |  |
| <b>Maturity Group VI</b>  |                     |          |          |               |                  |              |               |  |  |
| SS RT 6988N               | 42.6                | 31.0     | 37.5     | 1.8           | 1.3              | 36           | 10-20         |  |  |
| SS RT 6451N               | 33.9                | 25.4     | 35.7     | 1.8           | 1.5              | 35           | 10-19         |  |  |
| Progeny P 6710RY          | 43.3                | 31.4     |          | 1.2           | 1.5              | 31           | 10-26         |  |  |
| SS RT 6810Nr2             | 42.5                | 31.3     |          | 1.4           | 1.4              | 32           | 10-27         |  |  |
| SS 6911NR2                | 44.7                |          |          | 1.4           | 1.6              | 29           | 10-27         |  |  |
| NK Brand S61-Q2           | 40.6                |          |          | 1.9           | 1.3              | 29           | 10-22         |  |  |
| R04-342                   |                     |          |          | 3.3           | 1.0              | 29           | 10-7          |  |  |
| <b>Maturity Group VII</b> |                     |          |          |               |                  |              |               |  |  |
| Progeny P 7310RY          | 52.8                | 37.2     |          | 1.7           | 1.3              | 31           | 10-28         |  |  |
| Asgrow AG 7231            | 50.1                |          |          | 3.0           | 1.6              | 27           | 11-2          |  |  |
| Asgrow AG 7532            | 48.3                |          |          | 2.4           | 1.1              | 29           | 11-3          |  |  |
| <b>Trial mean</b>         | 44.3                | 31.3     | 36.6     | 2.0           | 1.4              | 31           | 10-24         |  |  |
| <b>LSD(0.10)</b>          | 5.4                 | 3.5      | 2.9      |               |                  |              |               |  |  |
| <b>CV (%)</b>             | 16.2                | 21.1     | 16.8     |               |                  |              |               |  |  |

**TABLE 10. PERFORMANCE OF SOYBEAN VARIETIES AT SHORTER, ALABAMA, 2011**

| Variety                  | Yield<br>- bu/acre - | Lodging | Shattering | Plant  | Maturity |
|--------------------------|----------------------|---------|------------|--------|----------|
|                          |                      | score   | score      | height | date     |
| <b>Maturity Group IV</b> |                      |         |            |        |          |
| UA 4910                  | 23.1                 |         |            | 33     | 10-3     |
| Progeny P 4908RR         | 22.3                 |         |            | 40     | 9-29     |
| Progeny P 4710RY         | 21.9                 |         |            | 34     | 9-29     |
| Progeny P 4811RY         | 21.6                 |         |            | 41     | 9-25     |
| Progeny P 4910           | 21.5                 |         |            | 40     | 10-1     |
| Progeny P 4906RR         | 20.0                 |         |            | 37     | 9-29     |
| Progeny P 4911RY         | 19.1                 |         |            | 43     | 9-25     |
| Progeny P 4928LL         | 19.0                 |         |            | 38     | 9-25     |

*continued*

**TABLE 10. CONTINUED**

| Variety                  | Yield<br>- bu/acre - | Lodging | Shattering | Plant  | Maturity |
|--------------------------|----------------------|---------|------------|--------|----------|
|                          |                      | score   | score      | height | date     |
| <b>Maturity Group V</b>  |                      |         |            |        |          |
| Progeny P 5160LL         | 38.8                 |         |            | 31     | 10-6     |
| Terral REV 55R21         | 37.8                 |         |            | 38     | 10-10    |
| Asgrow AG 5831           | 37.5                 |         |            | 31     | 10-7     |
| AGS 597RR                | 37.1                 |         |            | 37     | 10-9     |
| Osage                    | 36.9                 |         |            | 27     | 10-1     |
| Progeny P 5650RR         | 36.3                 |         |            | 34     | 10-10    |
| Progeny P 5711RY         | 35.9                 |         |            | 32     | 10-8     |
| Croplan Genetics R2C5820 | 35.3                 |         |            | 32     | 10-1     |
| Terral REV 51R53         | 34.8                 |         |            | 40     | 10-3     |
| Progeny P 5655RY         | 34.4                 |         |            | 39     | 10-8     |
| Progeny P 5622RR         | 34.4                 |         |            | 38     | 10-9     |
| Progeny P 5610RY         | 34.3                 |         |            | 32     | 10-8     |
| HALO 5:65                | 34.0                 |         |            | 33     | 10-9     |
| Progeny P 5960LL         | 33.6                 |         |            | 36     | 10-8     |
| Terral REV 56R63         | 33.0                 |         |            | 33     | 10-9     |
| Progeny P 5218RR         | 32.9                 |         |            | 37     | 10-10    |
| HALO 5:25                | 32.9                 |         |            | 32     | 10-3     |
| Progeny P 5330RR         | 32.2                 |         |            | 36     | 9-29     |
| Progeny P 5770           | 32.1                 |         |            | 32     | 10-8     |
| USG 75Z38                | 31.8                 |         |            | 33     | 10-10    |
| Terral REV 57R21         | 31.3                 |         |            | 39     | 10-3     |
| USG Allen RR             | 31.1                 |         |            | 33     | 10-9     |
| Ozark                    | 30.5                 |         |            | 32     | 10-3     |
| Progeny P 5210RY         | 30.4                 |         |            | 37     | 10-1     |
| Terral REV 56R21         | 28.6                 |         |            | 39     | 10-1     |
| Progeny P 5261LL         | 28.6                 |         |            | 34     | 9-29     |
| Asgrow AG 5832           | 28.3                 |         |            | 43     | 10-3     |
| Progeny P 5811RY         | 27.5                 |         |            | 34     | 9-29     |
| Progeny P 5321RY         | 26.9                 |         |            | 43     | 10-3     |
| USG 75T18                | 26.9                 |         |            | 30     | 9-25     |
| Progeny P 511RY          | 26.4                 |         |            | 37     | 9-25     |
| Progeny P 5460LL         | 21.8                 |         |            | 35     | 9-25     |
| Progeny P 5191           | 21.1                 |         |            | 29     | 9-25     |
| <b>Trial mean</b>        | 29.9                 |         |            | 35     | 10-3     |
| <b>LSD(0.10)</b>         | 3.9                  |         |            |        |          |
| <b>CV (%)</b>            | 12.5                 |         |            |        |          |

**TABLE 11. PERFORMANCE OF SOYBEAN VARIETIES AT SHORTER, ALABAMA, THREE-YEAR SUMMARY, 2009-2011**

| Variety                  | Yield               |          |          |               |                  |              |               |
|--------------------------|---------------------|----------|----------|---------------|------------------|--------------|---------------|
|                          | 2011                | 2-yr avg | 3-yr avg | Lodging score | Shattering score | Plant height | Maturity date |
|                          | ----- bu/acre ----- |          |          |               | - inch -         |              |               |
| <b>Maturity Group IV</b> |                     |          |          |               |                  |              |               |
| Progeny P 4908RR         | 22.3                | 27.9     | 36.2     | 0.0           | 0.0              | 34.3         | 9-19          |
| Progeny P 4906RR         | 20.0                | 25.3     | 32.6     | 0.0           | 0.0              | 34.0         | 9-19          |
| UA 4910                  | 23.1                | 24.9     |          | 0.0           | 0.0              | 31.4         | 9-15          |
| Progeny P 4710RY         | 21.9                |          |          |               |                  | 34.0         | 9-29          |
| Progeny P 4811RY         | 21.6                |          |          |               |                  | 40.8         | 9-25          |
| Progeny P 4910           | 21.5                |          |          |               |                  | 40.3         | 10-1          |
| Progeny P 4911RY         | 19.1                |          |          |               |                  | 42.5         | 9-25          |
| Progeny P 4928LL         | 19.0                |          |          |               |                  | 37.5         | 9-25          |

*continued*

**TABLE 11. CONTINUED**

| Variety                  | Yield               |             |             | Lodging<br>score | Shattering<br>score | Plant<br>height | Maturity<br>date |  |  |  |
|--------------------------|---------------------|-------------|-------------|------------------|---------------------|-----------------|------------------|--|--|--|
|                          | 2011                | 2-yr<br>avg | 3-yr<br>avg |                  |                     |                 |                  |  |  |  |
|                          | ----- bu/acre ----- |             |             |                  |                     |                 |                  |  |  |  |
| <b>Maturity Group V</b>  |                     |             |             |                  |                     |                 |                  |  |  |  |
| Osage                    | 36.9                | 36.3        | 43.4        | 0.0              | 0.0                 | 27.0            | 9-24             |  |  |  |
| HALO 5:25                | 32.9                | 32.2        | 42.8        | 0.0              | 0.0                 | 27.8            | 9-23             |  |  |  |
| Progeny P 5622RR         | 34.4                | 36.6        | 42.3        | 0.0              | 0.0                 | 33.0            | 9-27             |  |  |  |
| HALO 5:65                | 34.0                | 33.0        | 41.5        | 0.0              | 0.0                 | 30.6            | 9-25             |  |  |  |
| Ozark                    | 30.5                | 33.9        | 39.9        | 0.0              | 0.0                 | 28.8            | 9-23             |  |  |  |
| USG Allen RR             | 31.1                | 33.8        | 39.4        | 0.0              | 0.0                 | 31.1            | 9-29             |  |  |  |
| Progeny P 5218RR         | 32.9                | 29.6        | 34.3        | 0.0              | 0.0                 | 30.6            | 9-24             |  |  |  |
| Terral REV 55R21         | 37.8                | 36.2        |             | 0.0              | 0.0                 | 34.9            | 9-18             |  |  |  |
| Asgrow AG 5831           | 37.5                | 36.1        |             | 0.0              | 0.0                 | 29.1            | 9-17             |  |  |  |
| Progeny P 5210RY         | 30.4                | 35.1        |             | 0.0              | 0.0                 | 34.6            | 9-12             |  |  |  |
| Progeny P 5610RY         | 34.3                | 34.6        |             | 0.0              | 0.0                 | 32.0            | 9-18             |  |  |  |
| Terral REV 56R21         | 28.6                | 33.7        |             | 0.0              | 0.0                 | 36.4            | 9-14             |  |  |  |
| Progeny P 5330RR         | 32.2                | 33.4        |             | 0.0              | 0.0                 | 35.0            | 9-12             |  |  |  |
| Terral REV 57R21         | 31.3                | 32.9        |             | 0.0              | 0.0                 | 38.9            | 9-14             |  |  |  |
| USG 75T18                | 26.9                | 31.4        |             | 0.0              | 0.0                 | 29.0            | 9-11             |  |  |  |
| Progeny P 5160LL         | 38.8                |             |             |                  |                     | 31.3            | 10-6             |  |  |  |
| AGS 597RR                | 37.1                |             |             |                  |                     | 37.0            | 10-9             |  |  |  |
| Progeny P 5650RR         | 36.3                |             |             |                  |                     | 33.8            | 10-10            |  |  |  |
| Progeny P 5711RY         | 35.9                |             |             |                  |                     | 32.3            | 10-8             |  |  |  |
| Croplan Genetics R2C5820 | 35.3                |             |             |                  |                     | 31.5            | 10-1             |  |  |  |
| Terral REV 51R53         | 34.8                |             |             |                  |                     | 39.5            | 10-3             |  |  |  |
| Progeny P 5655RY         | 34.4                |             |             |                  |                     | 38.5            | 10-8             |  |  |  |
| Progeny P 5960LL         | 33.6                |             |             |                  |                     | 35.5            | 10-8             |  |  |  |
| Terral REV 56R63         | 33.0                |             |             |                  |                     | 32.8            | 10-9             |  |  |  |
| Progeny P 5770           | 32.1                |             |             |                  |                     | 32.3            | 10-8             |  |  |  |
| USG 75Z38                | 31.8                |             |             |                  |                     | 32.8            | 10-10            |  |  |  |
| Progeny P 5261LL         | 28.6                |             |             |                  |                     | 33.5            | 9-29             |  |  |  |
| Asgrow AG 5832           | 28.3                |             |             |                  |                     | 42.8            | 10-3             |  |  |  |
| Progeny P 5811RY         | 27.5                |             |             |                  |                     | 34.3            | 9-29             |  |  |  |
| Progeny P 5321RY         | 26.9                |             |             |                  |                     | 43.3            | 10-3             |  |  |  |
| Progeny P 511RY          | 26.4                |             |             |                  |                     | 37.0            | 9-25             |  |  |  |
| Progeny P 5460LL         | 21.8                |             |             |                  |                     | 35.0            | 9-25             |  |  |  |
| Progeny P 5191           | 21.1                |             |             |                  |                     | 28.8            | 9-25             |  |  |  |
| <b>Trial mean</b>        | 29.9                | 32.6        | 39.2        | 0.0              | 0.0                 | 34.3            | 9-26             |  |  |  |
| <b>LSD(0.10)</b>         | 3.5                 | 3.4         | 3.0         |                  |                     |                 |                  |  |  |  |
| <b>CV (%)</b>            | 11.2                | 14.0        | 12.7        |                  |                     |                 |                  |  |  |  |

**TABLE 12. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES OT SHORTER, ALABAMA, 2011**

| Variety                   | Yield       | Lodging score | Shattering score | Plant height | Maturity date |
|---------------------------|-------------|---------------|------------------|--------------|---------------|
|                           | - bu/acre - |               |                  | - inches -   |               |
| Maturity Group VI         |             |               |                  |              |               |
| Asgrow AG 6732            | 50.7        |               |                  | 36           | 10-25         |
| Progeny P 6710RY          | 49.6        |               |                  | 32           | 10-25         |
| Croplan Genetics R2C 6810 | 49.3        |               |                  | 34           | 10-25         |
| Asgrow AG 6931            | 47.2        |               |                  | 36           | 10-26         |
| Asgrow AG 6132            | 43.8        |               |                  | 36           | 10-25         |
| R04-342                   | 37.3        |               |                  | 33           | 10-7          |
| Asgrow AG 6031            | 28.3        |               |                  | 33           | 10-6          |
| Maturity Group VII        |             |               |                  |              |               |
| Woodruff                  | 53.7        |               |                  | 33           | 10-28         |
| Progeny P 7310RY          | 51.7        |               |                  | 31           | 10-28         |
| Asgrow AG 7532            | 50.4        |               |                  | 37           | 10-26         |
| Asgrow AG 7231            | 48.2        |               |                  | 33           | 10-28         |
| AGS 758 RR                | 47.0        |               |                  | 37           | 10-25         |
| Maturity Group VIII       |             |               |                  |              |               |
| Au 02-2814                | 54.9        |               |                  | 35           | 10-25         |
| Pritchard RR              | 48.2        |               |                  | 39           | 10-29         |
| <b>Trial mean</b>         | <b>47.2</b> |               |                  | <b>34</b>    | <b>10-23</b>  |
| <b>LSD(0.10)</b>          | <b>3.5</b>  |               |                  |              |               |
| <b>CV (%)</b>             | <b>7.0</b>  |               |                  |              |               |

**TABLE 13. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES AT SHORTER, ALABAMA, THREE-YEAR SUMMARY, 2009-2011**

| Variety                   | Yield               |          |          | Lodging score | Shattering score | Plant height | Maturity date |  |  |
|---------------------------|---------------------|----------|----------|---------------|------------------|--------------|---------------|--|--|
|                           | 2011                | 2-yr avg | 3-yr avg |               |                  |              |               |  |  |
|                           | ----- bu/acre ----- |          |          |               |                  | - inch -     |               |  |  |
| Maturity Group VI         |                     |          |          |               |                  |              |               |  |  |
| Progeny P 6710RY          | 49.6                | 30.5     |          |               |                  | 32.9         | 9-24          |  |  |
| Asgrow AG 6732            | 50.7                |          |          |               |                  | 36.0         | 10-25         |  |  |
| Croplan Genetics R2C 6810 | 49.3                |          |          |               |                  | 34.3         | 10-25         |  |  |
| Asgrow AG 6931            | 47.2                |          |          |               |                  | 36.3         | 10-26         |  |  |
| Asgrow AG 6132            | 43.8                |          |          |               |                  | 36.3         | 10-25         |  |  |
| R04-342                   | 37.3                |          |          |               |                  | 32.8         | 10-7          |  |  |
| Asgrow AG 6031            | 28.3                |          |          |               |                  | 32.5         | 10-6          |  |  |
| Woodruff                  | 53.7                |          |          |               |                  | 33.3         | 10-28         |  |  |
| Maturity Group VII        |                     |          |          |               |                  |              |               |  |  |
| Progeny P 7310RY          | 51.7                |          |          |               |                  | 30.5         | 10-28         |  |  |
| Asgrow AG 7532            | 50.4                |          |          |               |                  | 36.5         | 10-26         |  |  |
| Asgrow AG 7231            | 48.2                |          |          |               |                  | 33.0         | 10-28         |  |  |
| AGS 758 RR                | 47.0                |          |          |               |                  | 36.5         | 10-25         |  |  |
| Maturity Group VII        |                     |          |          |               |                  |              |               |  |  |
| Au 02-2814                | 54.9                |          |          |               |                  | 34.5         | 10-25         |  |  |
| Pritchard RR              | 48.2                |          |          |               |                  | 38.5         | 10-29         |  |  |
| <b>Trial mean</b>         | 47.2                | 30.5     |          |               |                  |              |               |  |  |
| <b>LSD(0.10)</b>          |                     | 1.6      |          |               |                  |              |               |  |  |
| <b>CV (%)</b>             |                     | 4.5      | 2.3      |               |                  |              |               |  |  |

**TABLE 14. PERFORMANCE OF GROUP IV AND V SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, 2011**

| Variety                  | Yield<br>- bu/acre - | Lodging<br>score | Shattering<br>score | Plant<br>height | Maturity<br>date |
|--------------------------|----------------------|------------------|---------------------|-----------------|------------------|
| <b>Maturity Group IV</b> |                      |                  |                     |                 |                  |
| Progeny P 4906RR         | 38.8                 | 2.0              | 2.3                 | 39              | 9-15             |
| Progeny P 4710RY         | 37.9                 | 1.0              | 1.7                 | 35              | 9-14             |
| Progeny P 4908RR         | 36.2                 | 2.0              | 5.0                 | 40              | 9-14             |
| Progeny P 4811RY         | 33.9                 | 2.3              | 3.7                 | 40              | 9-14             |
| Progeny P 4910           | 32.6                 | 3.3              | 3.7                 | 38              | 9-16             |
| Progeny P 4911RY         | 32.2                 | 3.7              | 1.7                 | 44              | 9-16             |
| Progeny P 4928LL         | 28.9                 | 1.0              | 5.0                 | 36              | 9-14             |
| <b>Maturity Group V</b>  |                      |                  |                     |                 |                  |
| AGS 597RR                | 46.3                 | 1.0              | 1.0                 | 30              | 9-23             |
| Terral REV 55R21         | 44.0                 | 1.0              | 1.0                 | 32              | 9-25             |
| Progeny P 5610RY         | 43.2                 | 1.7              | 1.0                 | 35              | 9-19             |
| Progeny P 5622RR         | 43.0                 | 1.7              | 1.0                 | 34              | 9-23             |
| Progeny P 5770           | 42.6                 | 1.7              | 1.0                 | 33              | 9-24             |
| Progeny P 5160LL         | 42.2                 | 1.0              | 1.7                 | 23              | 9-17             |
| Progeny P 5191           | 42.1                 | 1.3              | 2.3                 | 27              | 9-14             |
| Terral REV 56R63         | 41.9                 | 1.7              | 1.0                 | 36              | 9-21             |
| Progeny P 5711RY         | 41.5                 | 1.0              | 1.0                 | 32              | 9-20             |
| Syngenta NK S 54-V4      | 40.5                 | 1.0              | 2.3                 | 25              | 9-18             |
| Syngenta NK S 56-G6      | 40.4                 | 1.0              | 1.0                 | 29              | 9-24             |
| Progeny P 5655RY         | 40.3                 | 1.3              | 2.3                 | 41              | 9-19             |
| Progeny P 5261LL         | 40.1                 | 1.0              | 1.0                 | 30              | 9-18             |
| Terral REV 51R53         | 40.0                 | 2.7              | 1.7                 | 37              | 9-18             |
| Progeny P 5210RY         | 39.6                 | 1.0              | 1.0                 | 27              | 9-15             |
| Progeny P 5960LL         | 39.4                 | 1.3              | 1.0                 | 32              | 9-19             |
| Progeny P 5330RR         | 39.2                 | 1.3              | 2.3                 | 33              | 9-17             |
| Progeny P 5811RY         | 39.2                 | 1.0              | 1.7                 | 34              | 9-18             |
| HALO 5:25                | 39.0                 | 1.0              | 2.3                 | 24              | 9-17             |
| Syngenta NK S 57-K3      | 39.0                 | 1.0              | 1.0                 | 29              | 9-23             |
| Terral REV 56R21         | 38.9                 | 1.3              | 1.0                 | 33              | 9-14             |
| Croplan Genetics R2C5820 | 38.8                 | 1.0              | 2.3                 | 29              | 9-19             |
| Terral REV 57R21         | 37.8                 | 2.3              | 1.0                 | 38              | 9-21             |
| Asgrow AG 5831           | 36.8                 | 1.0              | 1.0                 | 25              | 9-17             |
| HALO 5:65                | 36.1                 | 1.0              | 1.0                 | 33              | 9-19             |
| Progeny P 5650RR         | 35.5                 | 2.0              | 1.0                 | 38              | 9-28             |
| Progeny P 511RY          | 35.0                 | 1.0              | 3.0                 | 28              | 9-14             |
| Progeny P 5321RY         | 30.7                 | 3.3              | 4.3                 | 44              | 9-17             |
| Asgrow AG 5832           | 28.1                 | 3.7              | 4.3                 | 41              | 9-23             |
| Progeny P 5460LL         | 26.9                 | 1.0              | 5.0                 | 33              | 9-15             |
| Progeny P 5218RR         | 26.2                 | 1.3              | 1.7                 | 26              | 9-22             |
| <b>Trial mean</b>        | 37.8                 | 1.6              | 2.0                 | 33              | 9-18             |
| <b>LSD(0.10)</b>         | 4.5                  |                  |                     |                 |                  |
| <b>CV (%)</b>            | 11.3                 |                  |                     |                 |                  |

**TABLE 15. PERFORMANCE OF GROUP IV AND V SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, THREE-YEAR SUMMARY, 2009 - 2011**

| Variety                  | 2011 | 2-yr avg | 3-yr avg | Lodging score | Shattering score | Plant height | Maturity date |
|--------------------------|------|----------|----------|---------------|------------------|--------------|---------------|
| <i>bu/acre</i>           |      |          |          |               |                  |              |               |
| <b>Maturity Group IV</b> |      |          |          |               |                  |              |               |
| Progeny P 4906RR         | 38.8 | 32.1     |          | 1.9           | 3.0              | 34.0         | 9-16          |
| Progeny P 4908RR         | 36.2 | 27.3     |          | 2.0           | 3.9              | 33.9         | 9-14          |
| Progeny P 4710RY         | 37.9 |          |          | 1.0           | 1.7              | 34.7         | 9-14          |
| Progeny P 4811RY         | 33.9 |          |          | 2.3           | 3.7              | 39.7         | 9-14          |
| Progeny P 4910           | 32.6 |          |          | 3.3           | 3.7              | 38.0         | 9-16          |
| Progeny P 4911RY         | 32.2 |          |          | 3.7           | 1.7              | 44.0         | 9-16          |
| Progeny P 4928LL         | 28.9 |          |          | 1.0           | 5.0              | 35.7         | 9-14          |
| <b>Maturity Group V</b>  |      |          |          |               |                  |              |               |
| HALO 5:65                | 36.1 | 27.7     | 30.8     | 0.6           | 2.1              | 29.3         | 9-23          |
| HALO 5:25                | 39.0 | 25.3     | 29.7     | 0.6           | 2.4              | 21.5         | 9-20          |
| Progeny P 5610RY         | 43.2 | 37.2     |          | 1.3           | 1.0              | 30.0         | 9-19          |
| Terral REV 55R21         | 44.0 | 35.1     |          | 1.0           | 1.3              | 28.0         | 9-25          |
| Terral REV 56R21         | 38.9 | 34.7     |          | 1.3           | 1.3              | 29.9         | 9-15          |
| Progeny P 5622RR         | 43.0 | 33.9     |          | 1.3           | 1.0              | 29.4         | 9-24          |
| Progeny P 5210RY         | 39.6 | 32.8     |          | 1.0           | 1.3              | 26.0         | 9-16          |
| Progeny P 5330RR         | 39.2 | 31.7     |          | 1.1           | 2.4              | 29.9         | 9-22          |
| Terral REV 57R21         | 37.8 | 31.5     |          | 2.7           | 1.3              | 34.6         | 9-23          |
| Asgrow AG 5831           | 36.8 | 31.0     |          | 1.0           | 1.0              | 23.0         | 9-18          |
| Syngenta NK S 56-G6      | 40.4 | 30.4     |          | 1.0           | 1.0              | 22.0         | 9-25          |
| Progeny P 5218RR         | 26.2 | 26.4     |          | 1.4           | 2.1              | 25.1         | 9-29          |
| AGS 597RR                | 46.3 |          |          | 1.0           | 1.0              | 30.3         | 9-23          |
| Progeny P 5770           | 42.6 |          |          | 1.7           | 1.0              | 32.7         | 9-24          |
| Progeny P 5160LL         | 42.2 |          |          | 1.0           | 1.7              | 23.3         | 9-17          |
| Progeny P 5191           | 42.1 |          |          | 1.3           | 2.3              | 27.3         | 9-14          |
| Terral REV 56R63         | 41.9 |          |          | 1.7           | 1.0              | 36.3         | 9-21          |
| Progeny P 5711RY         | 41.5 |          |          | 1.0           | 1.0              | 32.3         | 9-20          |
| Syngenta NK S 54-V4      | 40.5 |          |          | 1.0           | 2.3              | 25.3         | 9-18          |
| Progeny P 5655RY         | 40.3 |          |          | 1.3           | 2.3              | 40.7         | 9-19          |
| Progeny P 5261LL         | 40.1 |          |          | 1.0           | 1.0              | 30.3         | 9-18          |
| Terral REV 51R53         | 40.0 |          |          | 2.7           | 1.7              | 37.3         | 9-18          |
| Progeny P 5960LL         | 39.4 |          |          | 1.3           | 1.0              | 32.3         | 9-19          |
| Progeny P 5811RY         | 39.2 |          |          | 1.0           | 1.7              | 33.7         | 9-18          |
| Syngenta NK S 57-K3      | 39.0 |          |          | 1.0           | 1.0              | 28.7         | 9-23          |
| Croplan Genetics R2C5820 | 38.8 |          |          | 1.0           | 2.3              | 29.3         | 9-19          |
| Progeny P 5650RR         | 35.5 |          |          | 2.0           | 1.0              | 37.7         | 9-28          |
| Progeny P 511RY          | 35.0 |          |          | 1.0           | 3.0              | 28.0         | 9-14          |
| Progeny P 5321RY         | 30.7 |          |          | 3.3           | 4.3              | 43.7         | 9-17          |
| Asgrow AG 5832           | 28.1 |          |          | 3.7           | 4.3              | 41.3         | 9-23          |
| Progeny P 5460LL         | 26.9 |          |          | 1.0           | 5.0              | 33.3         | 9-15          |
| <b>Trial mean</b>        | 37.8 | 31.2     | 30.3     | 1.5           | 2.1              | 31.9         | 9-19          |
| <b>LSD(0.10)</b>         | 3.8  | 3.5      | 1.3      |               |                  |              |               |
| <b>CV (%)</b>            | 9.5  | 15.1     | 6.7      |               |                  |              |               |

**TABLE 16. PERFORMANCE OF GROUP IV AND V SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 2011**

| Variety                  | Yield<br>- bu/acre - | Lodging<br>score | Shattering<br>score | Plant<br>height<br>- inches - | Maturity<br>date | Iron<br>Chlorosis <sup>†</sup> |
|--------------------------|----------------------|------------------|---------------------|-------------------------------|------------------|--------------------------------|
| Maturity Group IV        |                      |                  |                     |                               |                  |                                |
| Progeny P 4811RY         | 11.5                 | 1.0              | 1.0                 | 17                            | 10-11            | 6.0                            |
| Progeny P 4910           | 9.5                  | 1.0              | 3.7                 | 16                            | 10-6             | 6.8                            |
| Progeny P 4710RY         | 7.2                  | 1.0              | 1.0                 | 17                            | 10-10            | 8.0                            |
| Progeny P 4928LL         | 6.5                  | 1.0              | 1.0                 | 13                            | 10-9             | 7.3                            |
| Progeny P 4906RR         | 4.6                  | 1.0              | 1.0                 | 11                            | 10-17            | 7.8                            |
| Progeny P 4908RR         | no yield             |                  |                     |                               |                  | 8.7                            |
| Progeny P 4911RY         | no yield             |                  |                     |                               |                  | 9.3                            |
| Maturity Group V         |                      |                  |                     |                               |                  |                                |
| Progeny P 5960LL         | 16.6                 | 1.0              | 2.3                 | 20                            | 9-28             | 1.0                            |
| Progeny P 5655RY         | 16.5                 | 1.0              | 5.0                 | 20                            | 9-26             | 2.5                            |
| Progeny P 5261LL         | 16.5                 | 1.0              | 1.7                 | 15                            | 9-28             | 3.2                            |
| Progeny P 5770           | 16.2                 | 1.0              | 1.0                 | 15                            | 10-8             | 6.3                            |
| HALO 5:65                | 14.5                 | 1.0              | 3.7                 | 16                            | 9-28             | 1.5                            |
| Progeny P 5610RY         | 14.0                 | 1.0              | 3.0                 | 15                            | 9-27             | 4.7                            |
| Progeny P 5650RR         | 13.3                 | 1.0              | 1.0                 | 14                            | 10-5             | 5.0                            |
| Syngenta NK S 56-G6      | 13.0                 | 1.0              | 1.7                 | 10                            | 10-7             | 2.2                            |
| Terral REV 51R53         | 13.0                 | 1.0              | 1.7                 | 18                            | 10-12            | 7.0                            |
| Progeny P 5711RY         | 12.9                 | 1.0              | 2.3                 | 15                            | 9-24             | 3.8                            |
| Syngenta NK S 57-K3      | 12.7                 | 1.0              | 1.0                 | 14                            | 10-12            | 5.3                            |
| Progeny P 5218RR         | 11.8                 | 1.0              | 1.7                 | 12                            | 10-9             | 6.3                            |
| Progeny P 5210RY         | 11.4                 | 1.0              | 1.7                 | 12                            | 9-27             | 4.3                            |
| Terral REV 56R21         | 10.7                 | 1.0              | 1.0                 | 15                            | 10-7             | 6.8                            |
| Terral REV 56R63         | 10.4                 | 1.0              | 1.7                 | 15                            | 10-9             | 5.5                            |
| Progeny P 5622RR         | 10.1                 | 1.0              | 3.0                 | 15                            | 10-6             | 6.7                            |
| Progeny P 5811RY         | 9.5                  | 1.0              | 2.0                 | 15                            | 10-8             | 6.5                            |
| Syngenta NK S 54-V4      | 9.4                  | 1.0              | 4.3                 | 14                            | 9-24             | 3.5                            |
| Progeny P 5460LL         | 8.7                  | 1.0              | 1.0                 | 18                            | 10-4             | 6.0                            |
| Asgrow AG 5832           | 8.5                  | 1.0              | 1.0                 | 20                            | 10-13            | 6.5                            |
| HALO 5:25                | 8.5                  | 1.0              | 2.3                 | 11                            | 9-22             | 3.2                            |
| Progeny P 5160LL         | 8.1                  | 1.0              | 2.3                 | 11                            | 9-25             | 3.8                            |
| Progeny P 5191           | 7.7                  | 1.0              | 2.0                 | 11                            | 9-26             | 7.2                            |
| Progeny P 5321RY         | 7.5                  | 1.0              | 1.7                 | 16                            | 10-16            | 7.2                            |
| Asgrow AG 5831           | 7.1                  | 1.0              | 1.7                 | 13                            | 9-22             | 3.8                            |
| Progeny P 511RY          | 6.2                  | 1.0              | 3.7                 | 11                            | 9-19             | 4.2                            |
| Croplan Genetics R2C5820 | 4.3                  | 1.0              | 3.0                 | 11                            | 9-29             | 7.8                            |
| AGS 597RR                | no yield             |                  |                     |                               |                  | 9.2                            |
| Terral REV 55R21         | no yield             |                  |                     |                               |                  | 8.0                            |
| Terral REV 57R21         | no yield             |                  |                     |                               |                  | 8.3                            |
| <b>Trial mean</b>        | 10.6                 | 1.0              | 2.1                 | 15                            | 10-3             |                                |
| <b>LSD(0.10)</b>         | 4.0                  |                  |                     |                               |                  |                                |
| <b>CV (%)</b>            | 35.9                 |                  |                     |                               |                  |                                |

<sup>†</sup> Iron chlorosis ratings made on July 20, 2011. 1 = no chlorosis; 10 = plants losing leaves due to necrotic spots on leaves.

**TABLE 17. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, 2011**

| Variety                    | Yield<br>- bu/acre - | Lodging<br>score | Shattering<br>score | Plant<br>height | Maturity<br>date |
|----------------------------|----------------------|------------------|---------------------|-----------------|------------------|
| <b>Maturity Group VI</b>   |                      |                  |                     |                 |                  |
| Asgrow AG 6931             | 46.5                 | 2.0              | 1.0                 | 37              | 10-14            |
| Dyna-Gro 36RY68            | 45.7                 | 1.0              | 1.0                 | 35              | 10-14            |
| Croplan Genetics R2C 6810  | 44.4                 | 1.0              | 1.0                 | 32              | 10-13            |
| Progeny P 6710RY           | 44.3                 | 1.0              | 1.0                 | 36              | 10-14            |
| NK Brand S68-D4            | 43.6                 | 1.0              | 1.0                 | 36              | 10-10            |
| Asgrow AG 6732             | 39.9                 | 1.3              | 1.7                 | 32              | 10-12            |
| Asgrow AG 6132             | 38.5                 | 1.3              | 1.7                 | 36              | 10-10            |
| Dyna-Gro V61N9             | 37.2                 | 1.0              | 1.7                 | 30              | 9-29             |
| Asgrow AG 6031             | 36.8                 | 1.0              | 1.7                 | 34              | 9-21             |
| <b>Maturity Group VII</b>  |                      |                  |                     |                 |                  |
| Dyna-Gro 35K73             | 49.2                 | 1.7              | 1.0                 | 38              | 10-10            |
| Progeny P 7310RY           | 46.3                 | 1.0              | 1.0                 | 31              | 10-13            |
| Asgrow AG 7231             | 45.8                 | 1.0              | 1.0                 | 33              | 10-15            |
| Asgrow AG 7532             | 43.1                 | 1.3              | 1.0                 | 33              | 10-18            |
| Woodruff                   | 43.0                 | 1.7              | 1.0                 | 37              | 10-14            |
| Dyna-Gro V76N9RR           | 38.8                 | 1.3              | 1.7                 | 38              | 10-22            |
| NK Brand S78-G6            | 37.6                 | 2.3              | 1.0                 | 38              | 10-18            |
| NK Brand S79-B9            | 35.9                 | 1.7              | 1.0                 | 44              | 10-20            |
| AGS 758 RR                 | 34.4                 | 1.0              | 1.0                 | 33              | 10-19            |
| <b>Maturity Group VIII</b> |                      |                  |                     |                 |                  |
| Au 02-2814                 | 47.8                 | 1.0              | 1.7                 | 38              | 10-17            |
| Pritchard RR               | 35.4                 | 2.0              | 1.0                 | 44              | 10-26            |
| <b>Trial mean</b>          | 41.7                 | 1.3              | 1.2                 | 36              | 10-13            |
| <b>LSD(0.10)</b>           | 4.1                  |                  |                     |                 |                  |
| <b>CV (%)</b>              | 9.2                  |                  |                     |                 |                  |

**TABLE 18. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES ON VAIDEN SOIL, MARION JUNCTION, ALABAMA, THREE-YEAR SUMMARY, 2009 - 2011**

| Variety                    | Yield               |          |          | Lodging score | Shattering score | Plant height | Maturity date |  |  |  |
|----------------------------|---------------------|----------|----------|---------------|------------------|--------------|---------------|--|--|--|
|                            | 2011                | 2-yr avg | 3-yr avg |               |                  |              |               |  |  |  |
|                            | ----- bu/acre ----- |          |          |               |                  |              |               |  |  |  |
| <b>Maturity Group VI</b>   |                     |          |          |               |                  |              |               |  |  |  |
| Dyna-Gro 36RY68            | 45.7                | 36.3     |          | 1.0           | 1.6              | 32.1         | 10-11         |  |  |  |
| Progeny P 6710RY           | 44.3                | 35.2     |          | 1.3           | 1.0              | 33.1         | 10-11         |  |  |  |
| Dyna-Gro V61N9             | 37.2                | 30.1     |          | 1.1           | 1.9              | 25.4         | 9-29          |  |  |  |
| Asgrow AG 6931             | 46.5                |          |          | 2.0           | 1.0              | 36.7         | 10-14         |  |  |  |
| Croplan Genetics R2C 6810  | 44.4                |          |          | 1.0           | 1.0              | 32.3         | 10-13         |  |  |  |
| NK Brand S68-D4            | 43.6                |          |          | 1.0           | 1.0              | 35.7         | 10-10         |  |  |  |
| Asgrow AG 6732             | 39.9                |          |          | 1.3           | 1.7              | 32.0         | 10-12         |  |  |  |
| Asgrow AG 6132             | 38.5                |          |          | 1.3           | 1.7              | 35.7         | 10-10         |  |  |  |
| Asgrow AG 6031             | 36.8                |          |          | 1.0           | 1.7              | 34.0         | 9-21          |  |  |  |
| <b>Maturity Group VII</b>  |                     |          |          |               |                  |              |               |  |  |  |
| Dyna-Gro 35K73             | 49.2                | 37.7     | 39.0     | 1.1           | 1.9              | 34.5         | 10-12         |  |  |  |
| Woodruff                   | 43.0                | 34.0     | 32.8     | 1.4           | 1.3              | 33.6         | 10-15         |  |  |  |
| Dyna-Gro V76N9RR           | 38.8                | 30.2     | 32.1     | 1.3           | 2.7              | 35.5         | 10-20         |  |  |  |
| AGS 758 RR                 | 34.4                | 25.7     | 28.5     | 0.6           | 1.0              | 29.1         | 10-16         |  |  |  |
| Progeny P 7310RY           | 46.3                | 38.2     |          | 1.1           | 1.3              | 29.4         | 10-11         |  |  |  |
| Asgrow AG 7231             | 45.8                |          |          | 1.0           | 1.0              | 33.0         | 10-15         |  |  |  |
| Asgrow AG 7532             | 43.1                |          |          | 1.3           | 1.0              | 33.3         | 10-18         |  |  |  |
| NK Brand S78-G6            | 37.6                |          |          | 2.3           | 1.0              | 37.7         | 10-18         |  |  |  |
| NK Brand S79-B9            | 35.9                |          |          | 1.7           | 1.0              | 43.7         | 10-20         |  |  |  |
| <b>Maturity Group VIII</b> |                     |          |          |               |                  |              |               |  |  |  |
| Au 02-2814                 | 47.8                | 31.0     | 31.4     | 0.7           | 2.1              | 32.0         | 10-19         |  |  |  |
| Pritchard RR               | 35.4                | 28.1     | 25.2     | 1.3           | 1.0              | 38.2         | 10-24         |  |  |  |
| <b>Trial mean</b>          | 41.7                | 32.7     | 31.5     | 1.2           | 1.4              | 33.8         | 10-13         |  |  |  |
| <b>LSD(0.10)</b>           | 3.9                 | 4.3      | 3.0      |               |                  |              |               |  |  |  |
| <b>CV (%)</b>              | 8.9                 | 17.5     | 15.7     |               |                  |              |               |  |  |  |

**TABLE 19. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES ON SUMTER SOIL, MARION JUNCTION, ALABAMA, 2011**

| Variety                   | Yield<br>- bu/acre - | Lodging<br>score | Shattering<br>score | Plant<br>height<br>- inches - | Maturity<br>date | Iron<br>Chlorosis <sup>†</sup> |
|---------------------------|----------------------|------------------|---------------------|-------------------------------|------------------|--------------------------------|
| Maturity Group VI         |                      |                  |                     |                               |                  |                                |
| Asgrow AG 6732            | 21.7                 | 1.0              | 4.3                 | 14                            | 10-21            | 1.5                            |
| NK Brand S68-D4           | 21.2                 | 1.0              | 1.0                 | 17                            | 10-17            | 1.2                            |
| Dyna-Gro V61N9            | 20.7                 | 1.0              | 3.0                 | 16                            | 10-24            | 1.8                            |
| Asgrow AG 6931            | 19.0                 | 1.0              | 1.0                 | 16                            | 10-22            | 4.2                            |
| Dyna-Gro 36RY68           | 16.4                 | 1.0              | 1.7                 | 14                            | 10-19            | 2.5                            |
| Progeny P 6710RY          | 13.8                 | 1.0              | 1.0                 | 12                            | 10-20            | 2.8                            |
| Asgrow AG 6132            | 13.8                 | 1.0              | 3.0                 | 16                            | 10-24            | 3.5                            |
| Croplan Genetics R2C 6810 | 13.4                 | 1.0              | 1.7                 | 12                            | 10-16            | 3.0                            |
| Asgrow AG 6031            | 9.2                  | 1.0              | 4.3                 | 14                            | 9-26             | 2.2                            |
| Maturity Group VII        |                      |                  |                     |                               |                  |                                |
| NK Brand S78-G6           | 25.4                 | 1.0              | 1.0                 | 19                            | 10-23            | 1.2                            |
| Asgrow AG 7231            | 24.4                 | 1.0              | 1.0                 | 17                            | 10-24            | 2.7                            |
| Dyna-Gro 35K73            | 24.4                 | 1.0              | 1.0                 | 22                            | 10-28            | 2.0                            |
| NK Brand S79-B9           | 24.4                 | 1.0              | 1.0                 | 25                            | 10-30            | 2.8                            |
| AGS 758 RR                | 22.8                 | 1.0              | 1.0                 | 15                            | 10-22            | 2.2                            |
| Progeny P 7310RY          | 22.6                 | 1.0              | 1.0                 | 14                            | 10-23            | 1.7                            |
| Dyna-Gro V76N9RR          | 22.4                 | 1.0              | 3.0                 | 16                            | 10-25            | 3.2                            |
| Woodruff                  | 22.0                 | 1.0              | 1.7                 | 15                            | 10-27            | 3.5                            |
| Asgrow AG 7532            | 20.5                 | 1.0              | 1.7                 | 15                            | 10-22            | 2.2                            |
| Maturity Group VIII       |                      |                  |                     |                               |                  |                                |
| Pritchard RR              | 34.8                 | 1.0              | 1.0                 | 24                            | 10-26            | 4.2                            |
| Au 02-2814                | 22.6                 | 1.0              | 2.3                 | 19                            | 10-27            | 5.3                            |
| <b>Trial mean</b>         | 20.8                 | 1.0              | 1.8                 | 17                            | 10-22            |                                |
| <b>LSD(0.10)</b>          | 6.7                  |                  |                     |                               |                  |                                |
| <b>CV (%)</b>             | 30.1                 |                  |                     |                               |                  |                                |

<sup>†</sup> Iron chlorosis ratings made on July 20, 2011. 1 = no chlorosis; 10 = plants losing leaves due to necrotic spots on leaves.

**TABLE 20. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 2011**

| Variety                  | Yield<br>- bu/acre - | Lodging<br>score | Shattering<br>score | Plant<br>height<br>- inches - | Maturity<br>date |
|--------------------------|----------------------|------------------|---------------------|-------------------------------|------------------|
| <b>Maturity Group IV</b> |                      |                  |                     |                               |                  |
| Progeny P 4908RR         | 31.4                 | 2.8              | 2.0                 | 31                            | 10-9             |
| Progeny P 4710RY         | 27.0                 | 3.0              | 1.8                 | 27                            | 10-7             |
| Progeny P 4906RR         | 25.5                 | 3.0              | 2.0                 | 32                            | 10-7             |
| Progeny P 4811RY         | 20.2                 | 3.3              | 2.3                 | 34                            | 10-6             |
| Progeny P 4910           | 17.2                 | 3.0              | 2.3                 | 33                            | 10-14            |
| Progeny P 4928LL         | 16.9                 | 3.0              | 2.5                 | 28                            | 10-12            |
| Progeny P 4911RY         | 13.6                 | 4.0              | 2.0                 | 28                            | 10-4             |
| <b>Maturity Group V</b>  |                      |                  |                     |                               |                  |
| Progeny P 5770           | 43.6                 | 2.3              | 1.0                 | 25                            | 10-13            |
| HALO 5:25                | 41.8                 | 2.0              | 1.8                 | 25                            | 10-10            |
| Progeny P 5160LL         | 41.3                 | 2.0              | 1.5                 | 20                            | 10-10            |
| Terral REV 55R21         | 40.9                 | 2.0              | 1.8                 | 26                            | 10-18            |
| Terral REV 56R21         | 39.4                 | 2.5              | 1.0                 | 28                            | 10-7             |
| Progeny P 5622RR         | 39.1                 | 2.3              | 1.5                 | 28                            | 10-13            |
| Asgrow AG 5831           | 38.8                 | 1.5              | 1.3                 | 23                            | 10-12            |
| Progeny P 5650RR         | 37.8                 | 2.3              | 1.0                 | 26                            | 10-14            |
| Progeny P 5261LL         | 35.8                 | 2.0              | 1.0                 | 22                            | 10-10            |
| Progeny P 511RY          | 35.3                 | 2.0              | 1.8                 | 29                            | 10-3             |
| Progeny P 5191           | 35.3                 | 2.0              | 1.8                 | 24                            | 10-6             |
| Progeny P 5960LL         | 34.3                 | 2.3              | 1.0                 | 29                            | 10-14            |
| Terral REV 51R53         | 34.1                 | 3.5              | 1.8                 | 34                            | 10-11            |
| Progeny P 5811RY         | 33.7                 | 2.3              | 1.5                 | 24                            | 10-9             |
| Terral REV 57R21         | 32.7                 | 3.0              | 1.5                 | 30                            | 10-9             |
| Syngenta NK S 56-G6      | 32.5                 | 1.5              | 1.8                 | 23                            | 10-15            |
| Progeny P 5655RY         | 31.6                 | 2.0              | 1.8                 | 31                            | 10-10            |
| Syngenta NK S 57-K3      | 31.2                 | 2.0              | 1.5                 | 24                            | 10-15            |
| Progeny P 5330RR         | 30.5                 | 2.8              | 2.0                 | 27                            | 10-5             |
| Progeny P 5610RY         | 28.6                 | 2.5              | 1.8                 | 25                            | 10-11            |
| Terral REV 56R63         | 28.4                 | 2.8              | 1.5                 | 26                            | 10-13            |
| Syngenta NK S 54-V4      | 26.5                 | 2.0              | 1.3                 | 19                            | 10-10            |
| Progeny P 5210RY         | 25.7                 | 2.3              | 1.8                 | 19                            | 10-10            |
| HALO 5:65                | 24.7                 | 2.0              | 1.3                 | 21                            | 10-14            |
| Croplan Genetics R2C5820 | 23.3                 | 2.3              | 1.8                 | 23                            | 10-10            |
| Progeny P 5460LL         | 22.6                 | 2.5              | 2.5                 | 26                            | 10-11            |
| Progeny P 5321RY         | 21.3                 | 3.0              | 2.8                 | 37                            | 10-6             |
| Progeny P 5711RY         | 21.3                 | 2.0              | 1.5                 | 20                            | 10-10            |
| Progeny P 5218RR         | 17.0                 | 2.3              | 2.0                 | 18                            | 10-11            |
| Asgrow AG 5832           | 16.8                 | 3.0              | 2.5                 | 31                            | 10-10            |
| <b>Trial mean</b>        | 29.7                 | 2.4              | 1.7                 | 26                            | 10-10            |
| <b>LSD(0.10)</b>         | 9.2                  |                  |                     |                               |                  |
| <b>CV (%)</b>            | 29.6                 |                  |                     |                               |                  |

**TABLE 21. PERFORMANCE OF SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, THREE-YEAR SUMMARY, 2009-2011**

| Variety                  | Yield          |             |             | Lodging<br>score | Shattering<br>score | Plant<br>height | Maturity<br>date |  |  |  |
|--------------------------|----------------|-------------|-------------|------------------|---------------------|-----------------|------------------|--|--|--|
|                          | 2011           | 2-yr<br>avg | 3-yr<br>avg |                  |                     |                 |                  |  |  |  |
|                          | <i>bu/acre</i> |             |             |                  |                     |                 |                  |  |  |  |
| <b>Maturity Group IV</b> |                |             |             |                  |                     |                 |                  |  |  |  |
| Progeny P 4908RR         | 31.4           | 40.1        |             | 2.3              | 2.5                 | 32              | 9-18             |  |  |  |
| Progeny P 4906RR         | 25.5           | 37.8        |             | 2.6              | 2.6                 | 33              | 9-17             |  |  |  |
| Progeny P 4710RY         | 27.0           |             |             | 3.0              | 1.8                 | 27              | 10-7             |  |  |  |
| Progeny P 4811RY         | 20.2           |             |             | 3.3              | 2.3                 | 34              | 10-6             |  |  |  |
| Progeny P 4928LL         | 16.9           |             |             | 3.0              | 2.5                 | 28              | 10-12            |  |  |  |
| Progeny P 4910           | 16.4           |             |             | 3.0              | 2.3                 | 33              | 10-14            |  |  |  |
| Progeny P 4911RY         | 13.6           |             |             | 4.0              | 2.0                 | 28              | 10-4             |  |  |  |
| <b>Maturity Group V</b>  |                |             |             |                  |                     |                 |                  |  |  |  |
| HALO 5:25                | 41.8           | 52.1        | 56.4        | 1.8              | 1.6                 | 27              | 9-27             |  |  |  |
| Progeny P 5622RR         | 39.1           | 49.2        | 53.5        | 2.3              | 1.5                 | 32              | 9-27             |  |  |  |
| HALO 5:65                | 24.7           | 40.2        | 46.4        | 2.2              | 1.7                 | 28              | 9-28             |  |  |  |
| Progeny P 5218RR         | 17.0           | 37.6        | 44.5        | 2.6              | 1.9                 | 27              | 9-26             |  |  |  |
| Asgrow AG 5831           | 38.8           | 50.7        |             | 1.5              | 1.4                 | 25              | 9-18             |  |  |  |
| Terral REV 55R21         | 40.9           | 49.3        |             | 2.1              | 1.6                 | 28              | 9-21             |  |  |  |
| Terral REV 56R21         | 39.4           | 49.0        |             | 2.5              | 1.4                 | 31              | 9-13             |  |  |  |
| Terral REV 57R21         | 32.7           | 44.4        |             | 3.1              | 1.4                 | 33              | 9-20             |  |  |  |
| Progeny P 5610RY         | 28.6           | 44.2        |             | 2.5              | 2.0                 | 28              | 9-20             |  |  |  |
| Syngenta NK S 56-G6      | 32.5           | 44.0        |             | 1.4              | 1.6                 | 23              | 9-20             |  |  |  |
| Progeny P 5330RR         | 30.5           | 42.3        |             | 2.9              | 2.5                 | 29              | 9-18             |  |  |  |
| Progeny P 5210RY         | 25.7           | 40.9        |             | 2.1              | 1.6                 | 24              | 9-20             |  |  |  |
| Progeny P 5770           | 43.6           |             |             | 2.3              | 1.0                 | 25              | 10-13            |  |  |  |
| Progeny P 5160LL         | 41.3           |             |             | 2.0              | 1.5                 | 20              | 10-10            |  |  |  |
| Progeny P 5650RR         | 37.8           |             |             | 2.3              | 1.0                 | 26              | 10-14            |  |  |  |
| Progeny P 5261LL         | 35.8           |             |             | 2.0              | 1.0                 | 22              | 10-10            |  |  |  |
| Progeny P 511RY          | 35.3           |             |             | 2.0              | 1.8                 | 29              | 10-3             |  |  |  |
| Progeny P 5191           | 35.3           |             |             | 2.0              | 1.8                 | 24              | 10-6             |  |  |  |
| Progeny P 5960LL         | 34.3           |             |             | 2.3              | 1.0                 | 29              | 10-14            |  |  |  |
| Terral REV 51R53         | 34.1           |             |             | 3.5              | 1.8                 | 34              | 10-11            |  |  |  |
| Progeny P 5811RY         | 33.7           |             |             | 2.3              | 1.5                 | 24              | 10-9             |  |  |  |
| Progeny P 5655RY         | 31.6           |             |             | 2.0              | 1.8                 | 31              | 10-10            |  |  |  |
| Syngenta NK S 57-K3      | 31.2           |             |             | 2.0              | 1.5                 | 24              | 10-15            |  |  |  |
| Terral REV 56R63         | 28.4           |             |             | 2.8              | 1.5                 | 26              | 10-13            |  |  |  |
| Syngenta NK S 54-V4      | 26.5           |             |             | 2.0              | 1.3                 | 19              | 10-10            |  |  |  |
| Croplan Genetics R2C5820 | 23.3           |             |             | 2.3              | 1.8                 | 23              | 10-10            |  |  |  |
| Progeny P 5460LL         | 22.6           |             |             | 2.5              | 2.5                 | 26              | 10-11            |  |  |  |
| Progeny P 5321RY         | 21.3           |             |             | 3.0              | 2.8                 | 37              | 10-6             |  |  |  |
| Progeny P 5711RY         | 21.3           |             |             | 2.0              | 1.5                 | 20              | 10-10            |  |  |  |
| Asgrow AG 5832           | 16.8           |             |             | 3.0              | 2.5                 | 31              | 10-10            |  |  |  |
| <b>Trial mean</b>        | 29.6           | 44.4        | 50.2        | 2.4              | 1.8                 | 28              | 10-3             |  |  |  |
| <b>LSD(0.10)</b>         | 9.0            | 4.4         | 3.5         |                  |                     |                 |                  |  |  |  |
| <b>CV (%)</b>            | 28.7           | 13.4        | 11.4        |                  |                     |                 |                  |  |  |  |

**TABLE 22. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, 2011**

| Variety                   | Yield<br>- bu/acre - | Lodging<br>score | Shattering<br>score | Plant height | Maturity date |
|---------------------------|----------------------|------------------|---------------------|--------------|---------------|
|                           |                      | - inches -       |                     |              |               |
| <b>Maturity Group VI</b>  |                      |                  |                     |              |               |
| Asgrow AG 6732            | 41.9                 | 2.0              | 1.8                 | 25           | 10-26         |
| Asgrow AG 6931            | 41.7                 | 2.0              | 1.0                 | 32           | 10-27         |
| NK Brand S68-D4           | 41.2                 | 2.3              | 1.0                 | 27           | 10-27         |
| Asgrow AG 6132            | 31.8                 | 2.0              | 2.0                 | 28           | 10-27         |
| Croplan Genetics R2C 6810 | 28.6                 | 2.0              | 1.0                 | 22           | 10-27         |
| Progeny P 6710RY          | 25.9                 | 2.0              | 1.0                 | 23           | 10-27         |
| Dyna-Gro 36RY68           | 24.7                 | 2.0              | 1.0                 | 25           | 10-27         |
| Dyna-Gro V61N9            | 21.7                 | 2.0              | 1.8                 | 20           | 10-27         |
| Asgrow AG 6031            | 17.4                 | 1.8              | 1.8                 | 23           | 10-26         |
| <b>Maturity Group VII</b> |                      |                  |                     |              |               |
| Woodruff                  | 55.2                 | 2.0              | 1.0                 | 28           | 10-31         |
| AGS 758 RR                | 48.4                 | 2.0              | 1.0                 | 25           | 10-27         |
| NK Brand S78-G6           | 42.5                 | 2.3              | 1.0                 | 29           | 10-27         |
| NK Brand S79-B9           | 40.7                 | 3.0              | 1.0                 | 29           | 10-28         |
| Asgrow AG 7532            | 39.5                 | 2.0              | 1.0                 | 27           | 10-27         |
| Dyna-Gro 35K73            | 35.1                 | 2.0              | 1.0                 | 27           | 10-27         |
| Dyna-Gro V76N9RR          | 29.8                 | 2.0              | 1.0                 | 28           | 10-27         |
| Progeny P 7310RY          | 22.7                 | 2.0              | 1.3                 | 21           | 10-28         |
| Asgrow AG 7231            | 18.9                 | 2.5              | 1.0                 | 22           | 10-27         |
| <b>Maturity Group VII</b> |                      |                  |                     |              |               |
| Pritchard RR              | 49.5                 | 2.8              | 1.0                 | 36           | 11-2          |
| Au 02-2814                | 29.4                 | 2.5              | 1.0                 | 24           | 10-28         |
| <b>Trial mean</b>         | 34.3                 | 2.2              | 1.2                 | 26           | 10-27         |
| <b>LSD(0.10)</b>          | 14.8                 |                  |                     |              |               |
| <b>CV (%)</b>             | 40.9                 |                  |                     |              |               |

**TABLE 23. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES AT FAIRHOPE, ALABAMA, THREE-YEAR SUMMARY, 2009-2011**

| Variety                   | Yield               |             |             | Lodging<br>score | Shattering<br>score | Plant<br>height | Maturity<br>date |  |  |
|---------------------------|---------------------|-------------|-------------|------------------|---------------------|-----------------|------------------|--|--|
|                           | 2011                | 2-yr<br>avg | 3-yr<br>avg |                  |                     |                 |                  |  |  |
|                           | ----- bu/acre ----- |             |             |                  |                     | - inch -        |                  |  |  |
| Maturity Group VI         |                     |             |             |                  |                     |                 |                  |  |  |
| Asgrow AG 6931            | 41.7                | 52.1        | 2.4         | 1.0              | 33.3                | 9-28            |                  |  |  |
| Progeny P 6710RY          | 25.9                | 44.1        | 1.9         | 1.0              | 26.3                | 9-30            |                  |  |  |
| Dyna-Gro 36RY68           | 24.7                | 42.7        | 1.6         | 1.0              | 27.5                | 9-28            |                  |  |  |
| Dyna-Gro V61N9            | 21.7                | 39.6        | 1.8         | 1.5              | 24.3                | 9-27            |                  |  |  |
| Asgrow AG 6031            | 17.4                | 37.6        | 1.8         | 2.0              | 26.3                | 9-25            |                  |  |  |
| Asgrow AG 6732            | 41.9                |             | 2.0         | 1.8              | 24.5                | 10-26           |                  |  |  |
| NK Brand S68-D4           | 41.2                |             | 2.3         | 1.0              | 27.3                | 10-27           |                  |  |  |
| Asgrow AG 6132            | 31.8                |             | 2.0         | 2.0              | 27.5                | 10-27           |                  |  |  |
| Croplan Genetics R2C 6810 | 28.6                |             | 2.0         | 1.0              | 22.3                | 10-27           |                  |  |  |
| Maturity Group VII        |                     |             |             |                  |                     |                 |                  |  |  |
| Woodruff                  | 55.2                | 54.6        | 53.0        | 3.0              | 1.0                 | 32.1            | 10-3             |  |  |
| AGS 758 RR                | 48.4                | 51.8        | 52.9        | 2.3              | 1.0                 | 31.7            | 10-2             |  |  |
| Dyna-Gro V76N9RR          | 29.8                | 46.8        | 50.9        | 2.6              | 1.0                 | 34.0            | 10-4             |  |  |
| Dyna-Gro 35K73            | 35.1                | 48.2        |             | 2.5              | 1.0                 | 32.5            | 9-30             |  |  |
| Progeny P 7310RY          | 22.7                | 45.5        |             | 2.0              | 1.1                 | 26.0            | 9-27             |  |  |
| Asgrow AG 7231            | 18.9                | 42.0        |             | 2.3              | 1.0                 | 26.0            | 9-25             |  |  |
| NK Brand S78-G6           | 42.5                |             |             | 2.3              | 1.0                 | 28.5            | 10-27            |  |  |
| NK Brand S79-B9           | 40.7                |             |             | 3.0              | 1.0                 | 28.5            | 10-28            |  |  |
| Asgrow AG 7532            | 39.5                |             |             | 2.0              | 1.0                 | 27.3            | 10-27            |  |  |
| Maturity Group VIII       |                     |             |             |                  |                     |                 |                  |  |  |
| Pritchard RR              | 49.5                | 50.2        | 48.0        | 3.2              | 1.0                 | 38.8            | 10-9             |  |  |
| Au 02-2814                | 29.4                | 41.5        | 47.0        | 2.8              | 1.1                 | 30.9            | 10-8             |  |  |
| <b>Trial mean</b>         | 34.3                | 45.9        | 50.4        |                  |                     |                 |                  |  |  |
| <b>LSD(0.10)</b>          | 6.7                 | 5.7         | 4.5         |                  |                     |                 |                  |  |  |
| <b>CV (%)</b>             | 26.1                | 23.5        | 19.9        |                  |                     |                 |                  |  |  |

**TABLE 24. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, 2011**

| Variety                  | Yield<br>- bu/acre - | Lodging<br>score | Shattering<br>score | Plant<br>height | Maturity<br>date |
|--------------------------|----------------------|------------------|---------------------|-----------------|------------------|
| <b>Maturity Group IV</b> |                      |                  |                     |                 |                  |
| Progeny P 4911RY         | 28.9                 | 1.0              | 28.9                | 42              | 9-10             |
| Progeny P 4811RY         | 27.6                 | 1.0              | 27.6                | 41              | 9-10             |
| Progeny P 4910           | 24.4                 | 1.0              | 24.4                | 36              | 9-14             |
| Progeny P 4906RR         | 22.8                 | 1.0              | 22.8                | 34              | 9-12             |
| UA 4910                  | 19.6                 | 1.0              | 19.6                | 30              | 9-11             |
| Progeny P 4908RR         | 18.7                 | 1.0              | 18.7                | 34              | 9-11             |
| Progeny P 4928LL         | 17.2                 | 1.0              | 17.2                | 30              | 9-13             |
| Progeny P 4710RY         | 15.9                 | 1.0              | 15.9                | 31              | 9-11             |

*continued*

**TABLE 24. CONTINUED.**

| Variety                  | Yield<br>- bu/acre - | Lodging<br>score | Shattering<br>score | Plant<br>height<br>- inches - | Maturity<br>date |
|--------------------------|----------------------|------------------|---------------------|-------------------------------|------------------|
| <b>Maturity Group V</b>  |                      |                  |                     |                               |                  |
| Terral REV 56R63         | 42.2                 | 1.0              | 42.2                | 24                            | 9-25             |
| Progeny P 5191           | 37.5                 | 1.0              | 37.5                | 20                            | 9-15             |
| Syngenta NK S 57-K3      | 36.8                 | 1.0              | 36.8                | 27                            | 9-27             |
| Terral REV 55R21         | 33.0                 | 1.0              | 33.0                | 23                            | 9-29             |
| Croplan Genetics R2C5820 | 32.5                 | 1.0              | 32.5                | 24                            | 9-20             |
| Progeny P 5610RY         | 32.1                 | 1.0              | 32.1                | 22                            | 9-21             |
| Progeny P 5770           | 32.0                 | 1.0              | 32.0                | 21                            | 9-26             |
| Asgrow AG 5832           | 29.5                 | 1.0              | 29.5                | 47                            | 9-21             |
| Progeny P 5160LL         | 29.1                 | 1.0              | 29.1                | 19                            | 9-17             |
| Progeny P 5711RY         | 29.1                 | 1.0              | 29.1                | 24                            | 9-23             |
| Progeny P 5650RR         | 29.0                 | 1.0              | 29.0                | 28                            | 9-28             |
| Progeny P 5622RR         | 28.7                 | 1.0              | 28.7                | 25                            | 9-25             |
| Progeny P 5218RR         | 28.1                 | 1.0              | 28.1                | 21                            | 9-22             |
| Asgrow AG 5831           | 28.0                 | 1.0              | 28.0                | 19                            | 9-21             |
| Terral REV 57R21         | 27.2                 | 1.0              | 27.2                | 32                            | 9-21             |
| Terral REV 51R53         | 27.0                 | 1.0              | 27.0                | 39                            | 9-17             |
| Progeny P 511RY          | 26.9                 | 1.0              | 26.9                | 22                            | 9-16             |
| Syngenta NK S 54-V4      | 26.3                 | 1.0              | 26.3                | 21                            | 9-19             |
| Progeny P 5960LL         | 26.2                 | 1.0              | 26.2                | 26                            | 9-22             |
| Progeny P 5261LL         | 25.7                 | 1.0              | 25.7                | 20                            | 9-18             |
| Ozark                    | 25.6                 | 1.0              | 25.6                | 22                            | 9-15             |
| HALO 5:65                | 24.7                 | 1.0              | 24.7                | 21                            | 9-23             |
| Progeny P 5321RY         | 24.3                 | 1.0              | 24.3                | 45                            | 9-19             |
| Progeny P 5655RY         | 24.2                 | 1.0              | 24.2                | 25                            | 9-17             |
| Progeny P 5811RY         | 24.2                 | 1.0              | 24.2                | 26                            | 9-19             |
| Terral REV 56R21         | 24.1                 | 1.0              | 24.1                | 23                            | 9-19             |
| Progeny P 5210RY         | 23.9                 | 1.0              | 23.9                | 20                            | 9-20             |
| AGS 597RR                | 22.8                 | 1.0              | 22.8                | 24                            | 9-24             |
| Syngenta NK S 56-G6      | 22.6                 | 1.0              | 22.6                | 16                            | 9-27             |
| Progeny P 5330RR         | 20.1                 | 1.0              | 20.1                | 24                            | 9-21             |
| Progeny P 5460LL         | 19.1                 | 1.0              | 19.1                | 33                            | 9-14             |
| HALO 5:25                | 18.5                 | 1.0              | 18.5                | 20                            | 9-16             |
| Osage                    | 17.9                 | 1.0              | 17.9                | 21                            | 9-17             |
| <b>Trial mean</b>        | 26.2                 | 1.0              | 26.2                | 27                            | 9-19             |
| <b>LSD(0.10)</b>         | 7.5                  |                  |                     |                               |                  |
| <b>CV (%)</b>            | 27.1                 |                  |                     |                               |                  |

**TABLE 25. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, THREE-YEAR SUMMARY, 2009-2011**

| Variety                  | Yield               |             |          | Lodging<br>score | Shattering<br>score | Plant<br>height | Maturity<br>date |  |  |  |
|--------------------------|---------------------|-------------|----------|------------------|---------------------|-----------------|------------------|--|--|--|
|                          | 2011                | 2-yr<br>avg | 3-yr avg |                  |                     |                 |                  |  |  |  |
|                          | ----- bu/acre ----- |             |          |                  |                     |                 |                  |  |  |  |
| <b>Maturity Group IV</b> |                     |             |          |                  |                     |                 |                  |  |  |  |
| Progeny P 4906RR         | 22.8                | 32.3        |          | 1.0              | 3.3                 | 34.2            | 9-4              |  |  |  |
| UA 4910                  | 19.6                | 29.9        |          | 1.0              | 1.7                 | 30.0            | 9-3              |  |  |  |
| Progeny P 4908RR         | 18.7                | 24.9        |          | 1.2              | 16.7                | 33.0            | 9-4              |  |  |  |
| Progeny P 4911RY         | 28.9                |             |          | 1.0              |                     | 42.3            | 9-10             |  |  |  |
| Progeny P 4811RY         | 27.6                |             |          | 1.0              |                     | 41.0            | 9-10             |  |  |  |
| Progeny P 4910           | 24.4                |             |          | 1.0              |                     | 36.0            | 9-14             |  |  |  |
| Progeny P 4928LL         | 17.2                |             |          | 1.0              |                     | 30.3            | 9-13             |  |  |  |
| Progeny P 4710RY         | 15.9                |             |          | 1.0              |                     | 31.3            | 9-11             |  |  |  |

*continued*

**TABLE 25. CONTINUED.**

| Variety                  | Yield             |             |          | Lodging<br>score | Shattering<br>score | Plant<br>height | Maturity<br>date |  |  |
|--------------------------|-------------------|-------------|----------|------------------|---------------------|-----------------|------------------|--|--|
|                          | 2011              | 2-yr<br>avg | 3-yr avg |                  |                     |                 |                  |  |  |
|                          | -----bu/acre----- |             |          |                  |                     | -----inch-----  |                  |  |  |
| <b>Maturity Group V</b>  |                   |             |          |                  |                     |                 |                  |  |  |
| HALO 5:65                | 24.7              | 39.3        | 46.0     | 1.0              | 0.0                 | 24.2            | 9-21             |  |  |
| Progeny P 5622RR         | 28.7              | 39.7        | 45.5     | 1.0              | 0.0                 | 25.9            | 9-21             |  |  |
| Ozark                    | 25.6              | 38.5        | 44.9     | 1.0              | 0.0                 | 22.7            | 9-17             |  |  |
| Progeny P 5218RR         | 28.1              | 37.6        | 42.9     | 1.0              | 0.0                 | 22.6            | 9-17             |  |  |
| HALO 5:25                | 18.5              | 33.9        | 41.8     | 1.0              | 0.7                 | 20.2            | 9-17             |  |  |
| Osage                    | 17.9              | 28.2        | 35.6     | 1.0              | 1.4                 | 21.0            | 9-16             |  |  |
| Asgrow AG 5831           | 28.0              | 43.9        |          | 1.0              | 0.0                 | 20.8            | 9-10             |  |  |
| Terral REV 55R21         | 33.0              | 42.0        |          | 1.0              | 0.0                 | 23.7            | 9-15             |  |  |
| Progeny P 5610RY         | 32.1              | 41.7        |          | 1.0              | 0.0                 | 24.3            | 9-8              |  |  |
| Terral REV 57R21         | 27.2              | 40.6        |          | 1.0              | 0.0                 | 33.0            | 9-9              |  |  |
| Progeny P 5210RY         | 23.9              | 39.0        |          | 1.0              | 0.0                 | 24.5            | 9-9              |  |  |
| Terral REV 56R21         | 24.1              | 38.8        |          | 1.0              | 0.0                 | 24.8            | 9-6              |  |  |
| Syngenta NK S 56-G6      | 22.6              | 36.9        |          | 1.0              | 0.0                 | 18.8            | 9-12             |  |  |
| Progeny P 5330RR         | 20.2              | 33.1        |          | 1.0              | 10.0                | 27.0            | 9-10             |  |  |
| Terral REV 56R63         | 42.2              |             |          | 1.0              |                     | 23.7            | 9-25             |  |  |
| Progeny P 5191           | 37.5              |             |          | 1.0              |                     | 20.0            | 9-15             |  |  |
| Syngenta NK S 57-K3      | 36.8              |             |          | 1.0              |                     | 27.0            | 9-27             |  |  |
| Croplan Genetics R2C5820 | 32.5              |             |          | 1.0              |                     | 24.3            | 9-20             |  |  |
| Progeny P 5770           | 32.1              |             |          | 1.0              |                     | 20.3            | 9-26             |  |  |
| Asgrow AG 5832           | 29.5              |             |          | 1.0              |                     | 46.7            | 9-21             |  |  |
| Progeny P 5160LL         | 29.1              |             |          | 1.0              |                     | 19.3            | 9-17             |  |  |
| Progeny P 5711RY         | 29.1              |             |          | 1.0              |                     | 23.7            | 9-23             |  |  |
| Progeny P 5650RR         | 29.0              |             |          | 1.0              |                     | 28.0            | 9-28             |  |  |
| Terral REV 51R53         | 27.0              |             |          | 1.0              |                     | 38.7            | 9-17             |  |  |
| Progeny P 511RY          | 26.9              |             |          | 1.0              |                     | 21.7            | 9-16             |  |  |
| Syngenta NK S 54-V4      | 26.3              |             |          | 1.0              |                     | 21.3            | 9-19             |  |  |
| Progeny P 5960LL         | 26.2              |             |          | 1.0              |                     | 26.3            | 9-22             |  |  |
| Progeny P 5261LL         | 25.7              |             |          | 1.0              |                     | 20.3            | 9-18             |  |  |
| Progeny P 5321RY         | 24.3              |             |          | 1.0              |                     | 44.7            | 9-19             |  |  |
| Progeny P 5811RY         | 24.3              |             |          | 1.0              |                     | 26.3            | 9-18             |  |  |
| Progeny P 5655RY         | 24.2              |             |          | 1.0              |                     | 25.0            | 9-17             |  |  |
| AGS 597RR                | 22.8              |             |          | 1.0              |                     | 24.3            | 9-24             |  |  |
| Progeny P 5460LL         | 19.1              |             |          | 1.0              |                     | 33.3            | 9-14             |  |  |
| <b>Trial mean</b>        | 26.2              | 36.5        | 42.8     | 1.0              | 2.0                 | 27.5            | 9-16             |  |  |
| <b>LSD(0.10)</b>         | 7.5               | 4.2         | 2.8      |                  |                     |                 |                  |  |  |
| <b>CV (%)</b>            | 26.9              | 15.3        | 10.7     |                  |                     |                 |                  |  |  |

**TABLE 26. PERFORMANCE OF GROUP VI AND VII SOYBEAN VARIETIES AT BREWTON, ALABAMA, 2011**

| Variety                   | Yield<br>- bu/acre - | Lodging<br>score | Shattering<br>score | Plant height | Maturity date |
|---------------------------|----------------------|------------------|---------------------|--------------|---------------|
|                           |                      | - inches -       |                     |              |               |
| Maturity Group VI         |                      |                  |                     |              |               |
| Asgrow AG 6931            | 42.2                 | 1.0              | 42.2                | 35           | 10-14         |
| Croplan Genetics R2C 6810 | 37.2                 | 1.0              | 37.2                | 31           | 10-23         |
| Progeny P 6710RY          | 35.8                 | 1.0              | 35.8                | 30           | 10-21         |
| Asgrow AG 6732            | 35.1                 | 1.0              | 35.1                | 26           | 10-18         |
| NK Brand S68-D4           | 34.7                 | 1.0              | 34.7                | 32           | 10-8          |
| Asgrow AG 6132            | 33.6                 | 1.0              | 33.6                | 29           | 10-13         |
| Asgrow AG 6031            | 28.6                 | 1.0              | 28.6                | 24           | 9-21          |
| R04-342                   | 25.1                 | 1.0              | 25.1                | 18           | 9-17          |
| Maturity Group VII        |                      |                  |                     |              |               |
| Woodruff                  | 44.4                 | 1.0              | 44.4                | 36           | 10-24         |
| NK Brand S79-B9           | 40.6                 | 1.0              | 40.6                | 48           | 10-22         |
| Progeny P 7310RY          | 40.0                 | 1.0              | 40.0                | 28           | 10-16         |
| NK Brand S78-G6           | 39.1                 | 1.0              | 39.1                | 39           | 10-18         |
| AGS 758 RR                | 39.1                 | 1.0              | 39.1                | 32           | 10-17         |
| Asgrow AG 7532            | 36.1                 | 1.0              | 36.1                | 30           | 10-18         |
| Asgrow AG 7231            | 34.8                 | 1.0              | 34.8                | 30           | 10-20         |
| Maturity Group VIII       |                      |                  |                     |              |               |
| Pritchard RR              | 50.2                 | 1.0              | 50.2                | 40           | 10-22         |
| Au 02-2814                | 48.1                 | 1.0              | 48.1                | 38           | 10-22         |
| <b>Trial mean</b>         | 37.9                 | 1.0              | 37.9                | 32           | 10-15         |
| <b>LSD(0.10)</b>          | 6.7                  |                  |                     |              |               |
| <b>CV (%)</b>             | 16.5                 |                  |                     |              |               |

**TABLE 27. PERFORMANCE OF SOYBEAN VARIETIES AT BREWTON, ALABAMA, THREE-YEAR SUMMARY, 2009-2011**

| Variety                   | Yield               |             |             | Lodging score | Shattering score | Plant height | Maturity date |  |  |
|---------------------------|---------------------|-------------|-------------|---------------|------------------|--------------|---------------|--|--|
|                           | 2011                | 2-yr avg    | 3-yr avg    |               |                  |              |               |  |  |
|                           | ----- bu/acre ----- |             |             |               |                  | - inch -     |               |  |  |
| Maturity Group VI         |                     |             |             |               |                  |              |               |  |  |
| Asgrow AG 6931            | 42.2                | 44.5        |             | 1.0           | 0.0              | 32.2         | 9-21          |  |  |
| Progeny P 6710RY          | 35.8                | 38.1        |             | 1.0           | 0.0              | 29.5         | 9-23          |  |  |
| Asgrow AG 6031            | 28.6                | 31.8        |             | 1.0           | 10.0             | 25.7         | 9-10          |  |  |
| Croplan Genetics R2C 6810 | 37.2                |             |             | 1.0           |                  | 31.0         | 10-23         |  |  |
| Asgrow AG 6732            | 35.1                |             |             | 1.0           |                  | 25.7         | 10-18         |  |  |
| NK Brand S68-D4           | 34.7                |             |             | 1.0           |                  | 32.3         | 10-8          |  |  |
| Asgrow AG 6132            | 33.6                |             |             | 1.0           |                  | 28.7         | 10-13         |  |  |
| R04-342                   | 25.1                |             |             | 1.0           |                  | 18.3         | 9-17          |  |  |
| Maturity Group VII        |                     |             |             |               |                  |              |               |  |  |
| Woodruff                  | 44.4                | 48.0        | 49.5        | 1.0           | 0.0              | 31.2         | 10-3          |  |  |
| AGS 758 RR                | 39.1                | 41.1        | 44.6        | 1.0           | 0.0              | 29.1         | 9-30          |  |  |
| Progeny P 7310RY          | 40.0                | 47.4        |             | 1.0           | 0.0              | 27.7         | 9-24          |  |  |
| Asgrow AG 7231            | 34.8                | 39.2        |             | 1.0           | 0.0              | 29.2         | 9-20          |  |  |
| NK Brand S79-B9           | 40.6                |             |             | 1.0           |                  | 47.7         | 10-22         |  |  |
| NK Brand S78-G6           | 39.1                |             |             | 1.0           |                  | 38.7         | 10-18         |  |  |
| Asgrow AG 7532            | 36.1                |             |             | 1.0           |                  | 29.5         | 10-18         |  |  |
| Maturity Group VIII       |                     |             |             |               |                  |              |               |  |  |
| Au 02-2814                | 48.1                | 45.4        | 49.1        | 1.0           | 0.0              | 34.2         | 10-6          |  |  |
| Pritchard RR              | 50.2                | 46.8        | 47.6        | 1.1           | 0.0              | 37.6         | 10-5          |  |  |
| <b>Trial mean</b>         | <b>37.9</b>         | <b>42.5</b> | <b>47.7</b> |               |                  |              |               |  |  |
| <b>LSD(0.10)</b>          | <b>4.7</b>          | <b>3.6</b>  | <b>3.1</b>  |               |                  |              |               |  |  |
| <b>CV (%)</b>             | <b>16.5</b>         | <b>15.7</b> | <b>14.2</b> |               |                  |              |               |  |  |

**TABLE 28. CULTURAL PRACTICES FOR SOYBEAN VARIETY TESTS IN 2011**

| Location        | Type of test          | Date planted | Row width | Herbicide used   | Fertilizer applied |
|-----------------|-----------------------|--------------|-----------|------------------|--------------------|
| - inches -      |                       |              |           |                  |                    |
| Belle Mina      | Group IV              | Not planted  | 30        | .                | none recommended   |
|                 | Group IV-V            | June 2       | 30        | Valor            | none recommended   |
|                 | Group Mid-Late V      | June 2       | 30        | Treflan, Valor   | none recommended   |
|                 | Group VI-VII          | June 3       | 30        | Treflan, Valor   | none recommended   |
| Crossville      | Group IV              | May 5        | 30        | Prowl, FirstRate | none recommended   |
|                 | Group IV-V            | May 20       | 30        | Prowl, Valor     | none recommended   |
|                 | Group Mid-Late V      | May 23       | 30        | Prowl, Valor     | none recommended   |
|                 | Group VI-VII          | June 30      | 30        | Prowl, Valor     | none recommended   |
| Tallassee       | Group IV              | April 29     | 30        | Roundup          | none recommended   |
| Shorter         | Group IV-V            | June 9       | 36        | Dual, Prowl      | none recommended   |
|                 | Group VI-VII          | June 9       | 36        | Dual, Prowl      | none recommended   |
| Marion Junction | Group IV-V (Sumter)   | May 19       | 36        | Basagram, Poast  | none recommended   |
|                 | Group VI-VII (Sumter) | May 19       | 36        | Basagram, Poast  | none recommended   |
|                 | Group IV-V (Vaiden)   | May 19       | 36        | Basagram, Poast  | none recommended   |
|                 | Group VI-VII (Vaiden) | May 19       | 36        | Basagram, Poast  | none recommended   |
| Brewton         | Group IV-V            | May 24       | 36        | Dual             | none recommended   |
|                 | Group VI-VII          | May 24       | 36        | Dual             | none recommended   |
| Fairhope        | Group IV-V            | June 14      | 38        | Karate, Storm    | none recommended   |

**TABLE 29. SOIL TYPES FOR SOYBEAN TESTS, 2011**

| Location        | Soil Type                  |
|-----------------|----------------------------|
| Belle Mina      | Emory silt loam            |
| Crossville      | Wynnnville fine sandy loam |
| Tallassee       | Augusta silt loam          |
| Shorter         | Cowarts loamy sand         |
| Marion Junction | Sumter clay (high pH soil) |
| Marion Junction | Vaiden clay                |
| Fairhope        | Malbis fine sandy loam     |

**TABLE 30. RAINFALL AT TEST LOCATIONS DURING GROWING SEASON, 2011**

| Month                     | Days  | Belle Mina | Crossville | Shorter | Marion Junction | Brewton | Fairhope |
|---------------------------|-------|------------|------------|---------|-----------------|---------|----------|
| ----- <i>inches</i> ----- |       |            |            |         |                 |         |          |
| May                       | 1-5   | 0.5        | 0.5        | 0.4     | 1.4             | 1.0     | 1.3      |
|                           | 6-10  | 0.4        | 0.6        | 0.5     | 0.4             | 0.0     | 0.0      |
|                           | 11-15 | 1.0        | 1.0        | 0.2     | 0.3             | 0.0     | 0.0      |
|                           | 16-20 | 0.6        | 1.1        | 1.4     | 1.0             | 1.5     | 5.9      |
|                           | 21-25 | 0.0        | 0.1        | 0.0     | 0.4             | 1.9     | 2.1      |
|                           | 26-31 | 2.3        | 1.5        | 0.0     | 0.0             | 0.1     | 0.0      |
| June                      | 1-5   | 0.0        | 0.2        | 0.0     | 0.2             | 0.0     | 0.0      |
|                           | 6-10  | 0.0        | 0.0        | 0.0     | 0.3             | 0.1     | 0.0      |
|                           | 11-15 | 3.0        | 0.1        | 2.0     | 1.5             | 4.4     | 1.7      |
|                           | 16-20 | 0.0        | 0.0        | 1.1     | 0.8             | 0.0     | 0.0      |
|                           | 21-25 | 0.1        | 0.0        | 0.2     | 0.0             | 1.0     | 0.4      |
|                           | 26-31 | 0.1        | 0.8        | 0.7     | 0.7             | 3.7     | 1.2      |
| July                      | 1-5   | 0.1        | 0.1        | 0.0     | 0.0             | 1.8     | 1.5      |
|                           | 6-10  | 1.4        | 0.0        | 0.0     | 0.3             | 1.1     | 0.5      |
|                           | 11-15 | 0.0        | 0.1        | 2.3     | 0.0             | 1.8     | 1.8      |
|                           | 16-20 | 0.0        | 0.0        | 0.0     | 0.0             | 0.0     | 0.0      |
|                           | 21-25 | 0.3        | 0.3        | 1.1     | 2.4             | 0.8     | 0.2      |
|                           | 26-31 | 0.8        | 0.2        | 0.9     | 0.0             | 0.7     | 1.4      |
| August                    | 1-5   | 1.3        | 1.1        | 0.5     | 0.0             | 0.5     | 0.5      |
|                           | 6-10  | 0.7        | 0.1        | 0.5     | 0.0             | 0.4     | 3.5      |
|                           | 11-15 | 0.4        | 0.5        | 1.7     | 2.8             | 3.7     | 3.6      |
|                           | 16-20 | 0.0        | 0.0        | 0.0     | 0.3             | 3.6     | 0.8      |
|                           | 21-25 | 0.9        | 1.5        | 5.0     | 4.8             | 2.4     | 2.1      |
|                           | 26-31 | 2.1        | 5.7        | 2.8     | 2.5             | 1.4     | 0.7      |
| September                 | 1-5   | 0.1        | 0.0        | 0.0     | 0.0             | 0.5     | 5.8      |
|                           | 6-10  | 0.2        | 1.0        | 0.2     | 0.1             | 1.4     | 0.3      |
|                           | 11-15 | 0.6        | 0.4        | 0.5     | 0.1             | 0.2     | 0.3      |
|                           | 16-20 | 0.1        | 0.0        | 0.0     | 0.0             | 0.1     | 1.2      |
|                           | 21-25 | 0.0        | 0.0        | 0.0     | 0.0             | 0.0     | 0.1      |
|                           | 26-31 | 0.0        | 0.0        | 0.0     | 0.0             | 0.0     | 0.0      |
| October                   | 1-5   | 0.0        | 0.0        | 0.0     | 0.0             | 0.0     | 0.0      |
|                           | 6-10  | 2.3        | 1.8        | 1.3     | 1.0             | 1.6     | 1.0      |
|                           | 11-15 | 0.0        | 0.0        | 0.0     | 0.0             | 0.0     | 0.0      |
|                           | 16-20 | 0.2        | 0.0        | 0.3     | 0.5             | 0.0     | 0.2      |
|                           | 21-25 | 0.9        | 0.4        | 2.3     | 0.4             | 1.4     | 3.0      |
|                           | 26-31 | 0.0        | 0.0        | 0.0     | 0.0             | 0.0     | 0.0      |

**TABLE 31. ENTRIES AND SOURCES OF SEED FOR SOYBEAN TESTS, 2011**

| <b>Source</b>  | <b>Entry</b>   |
|--|--|
| AG South Genetics, LLC<br>Albany, Georgia            | AGS brand varieties                                  |
| Alabama Crop Imp. Assoc.<br>Auburn, Alabama          | Hinson, Stonewall                                    |
| Auburn University<br>Auburn, Alabama                 | Au 02-3223, Au 02-2814,<br>Au 02-3104                |
| Croplan Genetics/Land O' Lakes<br>Elkmont, Alabama   | Croplan Genetics                                     |
| Eagle Seed Company<br>Wiener, Arkansas               | ES brand varieties                                   |
| Monsanto<br>St. Louis, Missouri                      | Asgrow brand varieties,<br>Deltapine brand varieties |
| Progeny Ag Products<br>Wynne, Arkansas               | Progeny brand varieties                              |
| Schillinger Seed Inc.<br>West Des Moines, Iowa       | Schillinger brand varieties                          |
| Southern States Coop.<br>Richmond, Virginia          | SS brand varieties                                   |
| Syngenta/NK Brand Seed<br>Laurinburg, North Carolina | NK S brand varieties                                 |
| UniSouth Genetics, Inc.<br>Nashville, Tennessee      | USG brand varieties                                  |
| United Agri-Products<br>Madison, Alabama             | Dyna-Gro brand varieties                             |
| University of Arkansas<br>Fayetteville, Arkansas     | UA 4805, R03-224,<br>Osage, Ozark                    |
| University of Georgia<br>Athens, Georgia             | Prichard RR  |