



**2010 Alabama On-Farm Corn Hybrid Program
Dryland Roundup® Test
Test Location: Franklin County
Farmer Cooperators: T.W. Murray
Regional Extension Agent: Eric Schavey, Tim Reed Entomologist
Extension Grain Specialist: Dr. Brenda Ortiz
Alabama Cooperative Extension System**

Planted: April 2, 2010
Tillage: No Till
Soil Type: Sandy-Loam

Harvested: August 23 2010
Previous Crop: Cotton

Corn hybrids were provided by participating seed companies based upon their top two choices for the Northwest region of Alabama. The test was a single strip trial. Each hybrid was planted the length of the field in an eight-row strip at thirty-eight inch row spacing. The harvested length of the test varied due to location and field borders. No significant lodging was observed.

Table 1. Corn Hybrid Yields.

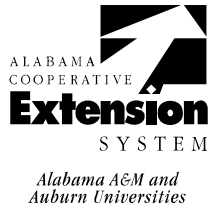
| Hybrid | Technology Trait(s) ¹ | Advertised Maturity (days) | Harvest Moisture ² (%) | Yield @ 15.5% moisture (Bu/acre) |
|---|----------------------------------|----------------------------|-----------------------------------|----------------------------------|
| DeKalb DKC66-96 | GENVT3P/RR2 | 116 | 16.7 | 238.1 |
| DeKalb DKC63-84 | CRW/RR/YGCB | 118 | 16.0 | 223.7 |
| Terral REV TM 25HR39 TM | RR2/HX1/LL | 115 | 17.2 | 216.3 |
| Terral REV TM 28HR30 TM | RR2/HX1/LL | 118 | 19.2 | 169.4 |
| Dyna-Gro V5373 | RR2/YGVT3 | 113 | 19.0 | 201.6 |
| Dyna-Gro 49VP59 | GENVT3P/RR2 | 109 | 16.0 | 208.7 |
| Pioneer 33F87 | RR2/HX1/LL | 114 | 17.3 | 175.8 |
| Pioneer 31P42 | RR2/HX1/LL | 119 | 17.2 | 227.6 |
| NK-Syngenta N78B-GT | GT/LL/CB/RW | 119 | 17.2 | 185.8 |
| CropLan 7131 | CRW/RR/YGCB | 115 | 17.1 | 190.8 |

¹Trait Key: RR2 = Roundup Ready® 2 Corn; GENVT3P = Genuity™ VT Triple PRO™; HX1 = Herculex® I; LL= LibertyLink®; YGVT3 = YieldGard VT Triple®; GT/CB/LL/RW = Agrisure® GT (glyphosate tolerance), CB (corn borer), LL (Liberty Link®), and RW (rootworm), H (Herculex I Insect protection), CRW (Corn Rootworm).

²Harvest moisture was averaged between the two replications.

Note: The corn seed was treated with Poncho or Cruiser, at either the 250 or 500 formulations.

Appreciation is expressed to T.W. Murray, the Alabama Wheat and Feed Grain Commission, and the participating seed companies for supporting this test.



**2010 Alabama On-Farm Corn Hybrid Program
Dryland Roundup® Test
Test Location: Fayette County
Farmer Cooperator: Chris Gary
Regional Extension Agent: Warren Griffith
Extension Grain Specialist: Dr. Brenda Ortiz
Alabama Cooperative Extension System**

Planted: 4-14- 2010
Tillage: Conservation
Previous Crop: cotton

Harvested: 9-22-2010
Plant Population: 22 to 24,000
Soil Type: Greenville

Corn hybrids were provided by participating seed companies based upon their top two choices for the Northwest region of Alabama. The test was replicated twice at this site. Each hybrid was planted the length of the field in a eight-row strip at 30-inch row spacing. The harvested length of the test was of various feet and calculated based on an acre. No significant lodging was observed. Yields were averaged from the two replications.

Table 1. Corn Hybrid Yields

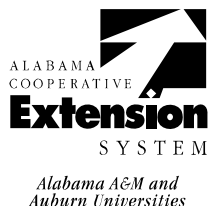
| Hybrid | Technology Trait(s) ¹ | Advertised Maturity (days) | Harvest Moisture ² (%) | Yield @ 15.5% moisture (Bushels/acre) |
|------------------------|----------------------------------|----------------------------|-----------------------------------|---------------------------------------|
| DeKalb DKC66-96 | GENVT3P/RR2 | 116 | 11.4 | 112.9 |
| DeKalb DKC68-05 | CRW/RR/YGCB | 118 | 11.3 | 124.6 |
| Terral 28HR30 | RR2/HX1/LL | 118 | 11.8 | 121.6 |
| Pioneer 33F87 | RR2/HX1/LL | 114 | 11.2 | 107.7 |
| Pioneer 31P42 | RR2/HX1/LL | 119 | 11.3 | 119.5 |
| NK-Syngenta 77P-3000GT | GT/LL/CB/RW | 119 | 11.4 | 112.6 |
| CropLan 7131 | CRW/RR/YGCB | 115 | 11.6 | 107.8 |
| CropLan 8756 | CRW/RR/YGCB | 115 | 10.8 | 119.8 |

¹Trait Key: RR2 = Roundup Ready® 2 Corn; GENVT3P = Genuity™ VT Triple PRO™; HX1 = Herculex® I; LL - LibertyLink®; YGVT3 = YieldGard VT Triple®; GT/CB/LL/RW = Agrisure® GT (glyphosate tolerance), YGCB = YieldGard® Corn Borer; YGPL = YieldGard® Plus CB (corn borer), LL (Liberty Link®), and RW (rootworm), H (Herculex I Insect protection), CRW (Corn Rootworm).

²Harvest moisture was averaged between the two replications.

Note: The corn seed was treated with Poncho® or Cruiser®, at either the 250 or 500 formulations.

Appreciation is expressed to Chris Gary, the Alabama Wheat and Feed Grain Commission, and the participating seed companies for supporting this test.



**2010 Alabama On-Farm Corn Hybrid Program
Dryland Roundup® Test
Test Location: Talladega County
Farmer Cooperators: Pruitt Farms, Mack & Scott Pruitt
Regional Extension Agent: Leonard Kuykendall
Extension Grain Specialist: Dr. Brenda Ortiz
Alabama Cooperative Extension System**

Planted: April 15, 2010
Tillage: Conventional
Previous Crop: Cotton

Harvested: September 7, 2010
Plant Population: 26,500

Corn hybrids were provided by participating seed companies based upon their top two choices for the Talladega region of Alabama. The test was not replicated. Each hybrid was planted the length of the field in a 6-row strip at 30-inch row spacing. No significant lodging was observed.

Table 1. Corn Hybrid Yields.

| Hybrid | Technology Trait(s) ¹ | Advertised Maturity (days) | Harvest Moisture (%) | Yield @ 15.5% moisture (bushels/acre) |
|---|----------------------------------|----------------------------|----------------------|---------------------------------------|
| DeKalb DKC66-96 | GENVT3P/RR2 | 116 | 13.3 | 182.1 |
| DeKalb DKC68-05 | GENVT3P/RR2 | 118 | 13.6 | 188.1 |
| Terral REV TM 25HR39 TM | RR2/HX1/LL | 115 | 13.2 | 212.7 |
| Terral REV TM 28HR20 TM | RR2/HX1/LL | 119 | 14.3 | 191.3 |
| Pioneer 33F87 | RR2/HX1/LL | 114 | 13.2 | 194.9 |
| Pioneer 31P42 | RR2/HX1/LL | 119 | 14.1 | 196.5 |
| NK-Syngenta N78B-GT | GT/LL/CB/RW | 119 | 13.5 | 165.9 |
| CropLan 7131 | CRW/RR/YGCB | 115 | 14.0 | 172.1 |
| CropLan 7505 | CRW/RR/YGCB | 115 | 13.2 | 150.1 |

¹ Trait Key: RR2 = Roundup Ready® 2 Corn, GENVT3P = Genuity™ VT Triple PRO™, HX1 = Herculex® I, LL= LibertyLink®, YGVT3 = YieldGard VT Triple®, GT/CB/LL/RW = Agrisure® GT (glyphosate tolerance), YGCB = YieldGard® Corn Borer, YGPL = YieldGard® Plus CB (corn borer), LL (Liberty Link®), and RW (rootworm), H (Herculex I Insect protection), CRW (Corn Rootworm).

Note: The corn seed was treated with Poncho® or Cruiser®, at either the 250 or 500 formulations.

Appreciation is expressed to Pruitt Farms (Mack and Scott Pruitt), the Alabama Wheat and Feed Grain Commission, and the participating seed companies for supporting this test.



2010 Alabama On-Farm Corn Hybrid Program
Irrigated Roundup® Test
Test Location: Hale County
Farmer Cooperators: Diller Farm
Regional Extension Agent: Rudy Yates
Extension Grain Specialist: Dr. Brenda Ortiz
Alabama Cooperative Extension System

Planted: April 12, 2010
 Tillage: Ridge
 Previous Crop: Corn

Harvested: August 23, 2010
 Plant Population: Approximately 30,000
 Soil Types: Faunsdale Clay Loam, Sumter-Watsonia Complex, and Okolona Silty Clay Loam

Corn hybrids were provided by participating seed companies based upon their top two choices for the Black Belt region of Alabama. Each hybrid was planted the length of the field in an eight-row strip at 30-inch row spacing. The harvested length of the test averaged 1346 feet. No significant lodging was observed in the test. Producers are encouraged to consider several sources of information when making hybrid selections.

Table 1. Corn Hybrid Yields.

| Hybrid | Technology Trait(s) ¹ | Advertised Maturity (days) | Harvest Moisture (%) | Yield @ 15.5% moisture (Bushels/acre) |
|------------------------|----------------------------------|----------------------------|----------------------|---------------------------------------|
| DeKalb DKC66-96 | RR2/GENVT3P | 116 | 17.0 | 185.1 |
| DeKalb DKC68-05 | RR2/GENVT3P | 118 | 17.0 | 173.5 |
| Pioneer P2023HR | RR2/LL/HX 1 | 120 | 17.7 | 186.6 |
| Pioneer 31P42 | RR2/LL/HX 1 | 119 | 17 | 166.5 |
| Terral REV™ 28HR20™ | RR2/LL/HX 1 | 118-120 | 17.3 | 181.3 |
| Terral REV™ 26HR50™ | RR2/LL/HX 1 | 116-118 | 17.3 | 172.2 |
| CropLan 8505 | GENSS/ GENVT3P RR2 | 118 | 16.5 | 178.3 |
| CropLan 8756 | RR2/YGRW/YGCB | 118 | 19.1 | 174.6 |
| NK Syngenta 78B-3000GT | GT/LL/CB/RW | 115 | 17.3 | 164.4 |

¹ Trait Key: RR2 = Roundup Ready® 2 Corn, GENVT3P = Genuity™ VT Triple PRO™, HX1 = Herculex® I, LL= LibertyLink®, YGVT3 = YieldGard VT Triple®, GT/CB/LL/RW = Agrisure® GT (glyphosate tolerance), YGCB = YieldGard® Corn Borer, YGPL = YieldGard® Plus CB (corn borer), LL (Liberty Link®), and RW (rootworm), H (Herculex I Insect protection), CRW (Corn Rootworm), GT = Glyphosate tolerant.

Note: The corn seed was treated with Poncho® or Cruiser®, at either the 250 or 500.

Appreciation is expressed to Loren and Ken Diller, the Alabama Wheat and Feed Grain Commission, and the participating seed companies for supporting this test.



**2010 Alabama On-Farm Corn Hybrid Program
Dryland Roundup® Test
Test Location: Perry County
Farmer Cooperators: Nichols Farm
Regional Extension Agent: Rudy Yates
Extension Grain Specialist: Dr. Brenda Ortiz
Alabama Cooperative Extension System**

Planted: April 14, 2010
Tillage: Conventional
Previous Crop: Soybeans

Harvested: August 25, 2010
Plant Population: Approximately 26,600
Soil Type: Okolona Silty Clay Loam

Corn hybrids were provided by participating seed companies based upon their top two choices for the Black Belt region of Alabama. The test was replicated twice at this site. Each hybrid was planted the length of the field in a four-row strip at 30-inch row spacing. The harvested length of the test was 1000 feet. No significant lodging was observed in the other hybrids. Yields were averaged from the two replications. Producers are encouraged to consider several sources of information when making hybrid selections.

Table 1. Corn Hybrid Yields.

| Hybrid | Technology Trait(s) ¹ | Advertised Maturity (days) | Moisture (%) ² | Yield @ 15.5% moisture (Bu/acre) |
|--------------------------|----------------------------------|----------------------------|---------------------------|----------------------------------|
| DeKalb DKC66-96 | RR2/GENVT3P | 116 | 14.0 | 167.3 |
| DeKalb DKC68-05 | RR2/GENVT3P | 118 | 15.8 | 154.4 |
| Pioneer 33F87 | RR2/LL/HX 1 | 114 | 13.6 | 160.4 |
| Pioneer 31P42 | RR2/LL/HX 1 | 119 | 14.3 | 155.7 |
| Terral REV™ 25HR39™ | RR2/LL/HX 1 | 114-116 | 14.1 | 165.8 |
| Terral REV™ 28HR20™ | RR2/LL/HX 1 | 118-120 | 14.8 | 150.8 |
| CropLan 8756VT3 | RR2/YGRW/YGCB | 118 | 15.3 | 152.9 |
| CropLan 7505VT3P | RR2/GENVT3P | 115 | 14.3 | 150.9 |
| NK-Syngenta N77P-3000GT* | GT/CB/LL/RW | 114 | 14.4 | 154.8 |

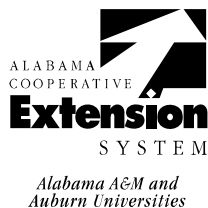
* Lodging was 4%.

¹ Trait Key: RR2 = Roundup Ready® 2 Corn; LL = Liberty Link®; HX 1 = Herculex® I (Corn Borer); GT/CB/LL/RW = Agrisure® 3000GT (glyphosate tolerance), CB (corn borer), LL (Liberty Link®), and RW (rootworm); YGRW = YieldGard® Rootworm; YGCB = YieldGard® Corn Borer; GENVT3P = Genuity™ VT Triple PRO™, GT = Glyphosate tolerant.

² Harvest moisture was averaged between the two replications.

Note: The corn seed was treated with Poncho® or Cruiser®, at either the 250 or 500 formulations.

Appreciation is expressed to Jody and Jon Nichols, the Alabama Wheat and Feed Grain Commission, and the participating seed companies for supporting this test.



**2010 Alabama On-Farm Corn Hybrid Program
Irrigated Roundup® Test
Test Location: Geneva County
Farmer Cooperators: Walton Birdsong
Regional Extension Agent: Brandon Dillard
Extension Grain Specialist: Dr. Brenda Ortiz
Alabama Cooperative Extension System**

Planted: 4/14/ 2010 Harvested: 8/27/2010
Tillage: Strip-Till Plant Population: 33,000 / A
Previous Crop: Peanuts Soil Type: Dothan Sandy Loam

Corn hybrids were provided by participating seed companies based upon their top two choices for the Southeast region of Alabama. The test was replicated three times at this site. Each hybrid was planted the length of the field in a 4-row strip at 36-inch row spacing. The harvested length of the test was 1200 feet. No significant lodging was observed. Yields were averaged from the three replications.

Table 1. Corn Hybrid Yields.

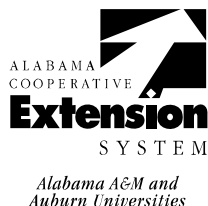
| Hybrid | Technology Trait(s) ¹ | Advertised Maturity (days) | Harvest Moisture ² (%) | Yield @ 15.5% moisture (Bushels/acre) |
|-------------------------|---|----------------------------|-----------------------------------|---------------------------------------|
| DeKalb DKC66-96 | GENVT3P/RR2 | 116 | 14.0 | 122.6 |
| DeKalb DKC67-21 | GENVT3P/RR2 | 117 | 14.8 | 113.6 |
| DeKalb DKC69-71 | RR2/YGCB | 119 | 15.1 | 111.1 |
| Terral REV™ 26HR50™ | RR2/HX1/LL | 117 | 15.1 | 129.8 |
| Terral REV™ 28HR20™ | RR2/HX1/LL | 119 | 15.4 | 166.8 |
| Dyna-Gro 56VP79 | | | 14.2 | 135.8 |
| Dyna-Gro 58VP99 | | | 14.5 | 127.8 |
| Pioneer 31P42 | RR2/HX1/LL | 119 | 15.9 | 157.3 |
| Pioneer P2023HR | HX1/LL/RR2 | 120 | 15.0 | 169.5 |
| NK-Syngenta N78N-GT | GT | 118 | 15.2 | 122.4 |
| NK-Syngenta N82V-3000GT | GT/LL/CB/RW | 117 | 14.9 | 139.4 |
| CropLan 851 | CRW/RR/YGCB | 118 | 13.2 | 108.6 |
| CropLan 8505 | GENSS/ GENVT3P CB/RW/RR2/ YGRW YGCB/LL | 117 | 13.9 | 103.4 |

¹Trait Key: RR2 = Roundup Ready® 2 Corn; GENSS = Genuity™ SmartStax™ ; GENVT3P = Genuity™ VT Triple PRO™; HX1 = Herculex® I; HXT = Herculex® XTR; YGVT3 = YieldGard VT Triple®; GT/CB/LL/RW = Agrisure® GT (glyphosate tolerance), CB (corn borer), LL (Liberty Link®), and RW (rootworm), H (Herculex I Insect protection), CRW (Corn Rootworm), GT = Glyphosate tolerant.

²Harvest moisture was averaged between the three replications.

Note: The corn seed was treated with Poncho® or Cruiser®, at either the 250 or 500 formulations

Appreciation is expressed to Walton Birdsong, the Alabama Wheat and Feed Grain Commission, and the participating seed companies for supporting this test.



**2010 Alabama On-Farm Corn Hybrid Program
Irrigated Roundup® Test
Test Location: Pike County**

**Farmer Cooperators: Kevin Ward
Regional Extension Agent: Brandon Dillard
Extension Grain Specialist: Dr. Brenda Ortiz
Alabama Cooperative Extension System**

Planted: 4/09/ 2010 Harvested: 8/23/ 2010
Tillage: Strip Till Plant Population: 32,000 / A
Previous Crop: Peanuts Soil Type: Sandy Clay Loam

Corn hybrids were provided by participating seed companies based upon their top two choices for the Southeast region of Alabama. The test was replicated twice at this site. Each hybrid was planted the length of the field in a 4-row strip at 36-inch row spacing. The harvested length of the test was 700 feet. No significant lodging was observed. Yields were averaged from the two replications.

Table 1. Corn Hybrid Yields.

| Hybrid | Technology Trait(s) ¹ | Advertised Maturity (days) | Harvest Moisture ² (%) | Yield @ 15.5% moisture (Bushels/acre) |
|-------------------------|--|----------------------------|-----------------------------------|---------------------------------------|
| DeKalb DKC66-96 | GENVT3P/RR2 | 116 | 16.7 | 229.7 |
| DeKalb DKC67-21 | GENVT3P/RR2 | 117 | 17.2 | 215.4 |
| Terral REV™ 26HR50™ | RR2/HX1/LL | 117 | 16.6 | 220.5 |
| Terral REV™ 28HR20™ | RR2/HX1/LL | 119 | 17.1 | 230.4 |
| Dyna-Gro 56VP79 | | | 16.3 | 206.1 |
| Dyna-Gro 58VP99 | | 117 | 16.9 | 201.8 |
| Pioneer 31P42 | RR2/HX1/LL | 119 | 16.4 | 226.8 |
| Pioneer 2023HR | HX1,LL,RR2 | 120 | 17.1 | 237.2 |
| NK-Syngenta N78N-GT | GT | 118 | 19.4 | 206.8 |
| NK-Syngenta N82V-3000GT | GT/LL/CB/RW | 117 | 18.3 | 196.2 |
| CropLan 851 | CRW/RR/YGCB | 118 | 16.6 | 190.1 |
| CropLan 8505 | GENSS/ GENVT3P CB/RW/RR2/ YGRW YGCB/LL | 117 | 16.1 | 199.2 |

¹ Trait Key: RR2 = Roundup Ready® 2 Corn; GENSS = Genuity™ SmartStax™ ; GENVT3P = Genuity™ VT Triple PRO™; HX1 = Herculex® I; HXT = Herculex® XTR; YGVT3 = YieldGard VT Triple®; GT/CB/LL/RW = Agrisure® GT (glyphosate tolerance), CB (corn borer), LL (Liberty Link®), and RW (rootworm), H (Herculex I Insect protection), CRW (Corn Rootworm) , GT = Glyphosate tolerant .

² Harvest moisture was averaged between the two replications.

Note: The corn seed was treated with Poncho® or Cruiser®, at either the 250 or 500 formulations.

Appreciation is expressed to Kevin Ward, the Alabama Wheat and Feed Grain Commission, and the participating seed companies for supporting this test.

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**2010 Alabama On-Farm Corn Hybrid Program
Dryland Roundup® Test
Test Location: Washington County
Farmer Cooperators: Rod Richardson
Regional Extension Agent: Richard Petcher
Extension Grain Specialist: Dr. Brenda Ortiz
Alabama Cooperative Extension System**

Planted: March 26, 2010
Tillage: Conventional
Previous Crop: Peanuts

Harvested: July 28, 2010
Plant Population: 27,000
Soil Type: Bama Fine Sandy Loam

Corn hybrids were provided by participating seed companies based upon their top two choices for South Alabama. The test was replicated twice at this site. Each hybrid was planted the length of the field in a 4-row strip at 36-inch row spacing. The harvested length of the test was 730 feet. Yields were averaged from the two replications. The test was received adequate rainfall for most of the season, however a short period of dry conditions occurred after tasselling.

Table 1. Corn Hybrid Yields.

| Hybrid | Technology Trait(s) ¹ | Advertised Maturity (days) | Harvest Moisture ² (%) | Yield @ 15.5% moisture (Bushels/acre) |
|-------------------------|--|----------------------------|-----------------------------------|---------------------------------------|
| DeKalb DKC66-96 | GENVT3P/RR2 | 116 | 24.2 | 173.2 |
| DeKalb DKC68-05 | GENVT3P | 118 | 22.9 | 172.1 |
| Terral REV™ 28HR20™ | RR2/HX1/LL | 119 | 21.2 | 171.2 |
| Terral REV™ 25HR39™ | RR2/HX1/LL | 115 | 22.1 | 171.8 |
| DynaGro 56VP24 | | | 22.3 | 166.2 |
| DynaGro 56VP79 | | | 21.3 | 161.1 |
| Pioneer 31P42 | RR2/HX1/LL | 119 | 22.4 | 172 |
| Pioneer 33F87 | RR2/HX1/LL | 114 | 21.4 | 164.2 |
| NK-Syngenta N82V-3000GT | GT/LL/CB/RW | 117 | 22.3 | 174.4 |
| NK-Syngenta N78N-3000GT | GT/LL/CB/RW | 118 | 22.3 | 167.4 |
| CropLan 851 | CRW/RR/YGCB | 118 | 21.1 | 166.7 |
| CropLan 8505 | GENSS/ GENVT3P/CB/ RW/RR2/ YGRW YGCB/LL | 117 | 21.6 | 167.9 |

¹ Trait Key: RR2 = Roundup Ready® 2 Corn; GENSS = Genuity™ SmartStax™ ; GENVT3P = Genuity™ VT Triple PRO™; HX1 = Herculex® I; HXT = Herculex® XTR; YGVT3 = YieldGard VT Triple®; GT/CB/LL/RW = Agrisure® GT (glyphosate tolerance), CB (corn borer), LL (Liberty Link®), and RW (rootworm), H (Herculex I Insect protection), CRW (Corn Rootworm), GT = Glyphosate tolerant .

² Harvest moisture was averaged between the two replications.

Note: The corn seed was treated with Poncho or Cruiser, at either the 250 or 500 formulations.

Appreciation is expressed to Rod Richardson, the Alabama Wheat and Feed Grain Commission, and the participating seed companies for supporting this test.