



**2009 Alabama On-Farm Corn Hybrid Program
Dryland Roundup® Test
Test Location: Fayette County
Farmer Cooperator: Chris Gary
Regional Extension Agent: Warren Griffith
Alabama Cooperative Extension System**

Planted: April 23, 2009
Tillage: No -Till

Harvested: November 3, 2009
Previous Crop: Cotton

Plant Population: Approximately 26,000
Soil Type: Ora Fine Sandy Loam

Corn hybrids were provided by participating seed companies based upon their top two choices for the Upper Coastal Plain region of Alabama. The test was replicated twice at this location. 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 averaged 675 feet. The test was affected by three weeks of drought and high temperatures during pollination. Late-season rainfall delayed harvest until November. Some lodging was observed but not in a significant amount between hybrids. The lodged corn was harvested by the combine. The hybrids are presented in order of planting across the field by seed treatment. The test was only replicated twice at this location; therefore, producers are encouraged to consider several sources of information when making hybrid selections.

Table 1. Corn Hybrid Yields with Poncho® 250 Seed Treatment.

Hybrid	Technology Trait(s) ¹	Advertised Maturity (days)	Strip 1		Strip 2	
			Harvest Moisture (%)	Yield ² (Bu/A)	Harvest Moisture (%)	Yield ² (Bu/A)
Dyna-Gro 58K40	RR2	117	18.5	140.6	18.1	84.9
DeKalb DKC65-44	YGCB/YGRW/RR2	115	18.5	131.2	17.7	113.1
Dyna-Gro 58K02	RR2	119	18.1	117.1	17.7	130.1
DeKalb DKC68-06	YGCB/RR2	118	18.1	121.8	17.7	138.0
Terral TV25BR23†	YGCB/RR2	115	18.1	71.80		
Average				116.5		116.5

¹ Trait Key: RR2 = Roundup Ready® 2 Corn; YGCB = YieldGard® Corn Borer; YGRW = YieldGard® Rootworm; GENVT3 = Genuity™ VT Triple PRO™; HX1 = Herculex® I Insect protection; LL - LibertyLink®; GT/CB/LL/RW = Agrisure® GT (glyphosate tolerance), CB (corn borer), LL (Liberty Link®), and RW (rootworm).

² Yield is adjusted to 15.5 % moisture and reported in bushels per acre (Bu/A).

† Strip planted with this hybrid was accidentally harvested prior to the test being harvested so one replication was all that was collected.

Table 2. Corn Hybrid Yields with Cruiser® 250 Seed Treatment.

Hybrid ¹	Technology Trait(s) ²	Advertised Maturity (days)	Strip 1		Strip 2	
			Harvest Moisture (%)	Yield ³ (Bu/A)	Harvest Moisture (%)	Yield ³ (Bu/A)
NK Syngenta 77P-3000GT	GT/CB/LL/RW	114	18.5	120.6	18.1	79.3
CropLan 8756VT3	RR2/YGRW/ YGCB	118	18.5	137.8	17.7	78.0
Pioneer 31P42	HX1/LL/RR2	119	18.5	121.1	17.7	61.7
Terral TV25R31	RR2	115	18.5	122.5	17.7	120.3
Pioneer 33F87	HX1/LL/RR2	114	18.1	92.8	17.7	150.5
CropLan 8505VT3	RR2/GENVT3P	117	18.1	81.5	17.7	146.7
Average				112.7		106.1

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² Yield is adjusted to 15.5 % moisture and reported in bushels per acre (Bu/A).

Appreciation is expressed to Chris Gary, the Alabama Wheat and Feed Grain Commission, and the participating seed companies for supporting this test. Appreciation is also expressed to Rudy Yates, Regional Extension Agent, and Dr. Brenda Ortiz, Extension Grain Specialist, for their assistance.

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