



**2017 Alabama On-Farm Corn Hybrid Program  
Dryland Glyphosate-Tolerant Test  
Test Location: Uniontown, Perry County  
Farmer Cooperators: David and Will Richardson  
Regional Extension Agents: Kim Wilkins/Rudy Yates  
Alabama Cooperative Extension System**

Planted: April 1, 2017  
Tillage: No-till  
Previous Crop: Cotton  
Fertilizer applied per acre: 165 lbs of N, 55 lbs of P<sub>2</sub>O<sub>5</sub>, and 120 lbs of K<sub>2</sub>O

Harvested: August 25, 2017  
Seeding Rate: 27,500/acre  
Soil Types: Kipling clay loam

Corn hybrids were provided by participating seed companies based upon their top two choices for the area and production type. The seed provided was already treated with each company's respective seed treatment(s). Each hybrid was planted in two 4-row strips the length of the field. Row spacing was 36 inches. No significant lodging was observed. One strip was harvested. Harvested row lengths were 650 feet. Producers are encouraged to consider several sources of information when making hybrid selections.

Table 1. Perry County, AL - Uniontown dryland on-farm corn hybrid performance test.

Hybrid (Advertised Relative Maturity)	Technology Traits <sup>1</sup>	Seed Treatments <sup>2</sup>	Harvest	Yield <sup>3</sup>
			Moisture	
			%	Bu/A
AgriGold A6572 VT2RIB (114 day)	VT2P <sub>RIB</sub> , RR2	A/P500/V	14.6	161.4
DeKalb DKC66-59 (VT2P) (116 day)	GENVT2P, RR2	A/P500/V	14.7	178.7
DeKalb DKC67-72 (VT2P) (117 day)	VT2P, RR2	A/P500/V	15.5	193.1
Dyna-Gro D57VC51 (117 day)	GENVT2P, RR2	A/P500/V	15.5	186.6
Dyna-Gro D58VC37 (118 day)	GENVT2P, RR2	A/P500/V	14.6	198.0
Pioneer P1442 YHR (114 day)	Optimum Intrasect	PPST 250 plus Lumivia	14.7	202.4
Pioneer P1662 YHR (116 day)	Optimum Intrasect	PPST 250 plus Lumivia	15.2	186.0
Steyer 11410 VT2PRORIBC (114 day)	VT2P <sub>RIB</sub> , RR2	CMX250+F/Wuxal	14.5	178.7
Steyer 11506 VT2PRORIBC (115 day)	VT2P <sub>RIB</sub> , RR2	CMX250+F/Wuxal	14.6	166.8
			<b>Test Average:</b>	<b>183.5</b>

<sup>1</sup> **Technology Traits** with the parentheses represent the target pest species and/or herbicide tolerance of the trait(s). Trait Key: **CB** = corn borers; **CW** = black cutworm; **CEW** = corn earworm; **CRW** = corn rootworm; **FAW** = fall armyworm; **LCB** = lesser cornstalk borer; **GT** = glyphosate tolerance; **LL** = Liberty Link (glufosinate tolerant); **RR2** = Roundup Ready2 Corn; **RIB** = Refuge in Bag containing 5% non-*B.t.* seed; **GENDG** = Genuity DroughtGard (water optimizing technology); **GENVT2P** = Genuity VT Double PRO (CB, CEW, FAW, LCB, RR2); **GENVT3P** = Genuity VT Triple PRO (CB, CEW, CRW, FAW, LCB, RR2); **GENVT3P<sub>RIB</sub>** = Genuity VT Triple PRO RIB Complete (CB, CEW, CRW, FAW, LCB, RR2); **HX1** = Herculex I (CB, FAW, LL); **Optimum Intrasect** = combines HX1, YGCB, RR2 and LL; **VT2P** = VT Double PRO (CB, CEW, FAW, LCB, RR2); **VT2P<sub>RIB</sub>** = VT Double PRO RIB Complete (CB, CEW, FAW, LCB, RR2); **YGCB** = YieldGard CB. Information on *B.t.* proteins and other corn traits can be found in the ACES Corn IPM Guide at <http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>

<sup>2</sup> **Seed treatment key:** **A** = Acceleron seed treatment with fungicides prothioconazole, metalaxyl, and fluoxastrobin; **CMX250+F/Wuxal** = insecticide thiamethoxam (CruiserMaxx) at 250 rate, plus fungicides fludioxonil, mefenoxam, azoxystrobin, and thiabendazole, and a micronutrient seed treatment (Wuxal); **P500** = insecticide clothianidin (Poncho) at 500 rate; **PPST 250 plus Lumivia** = Pioneer Premium Seed Treatment 250 with fungicides fludioxonil, mefenoxam, azoxystrobin, and thiabendazole, plus insecticides thiamethoxam (Cruiser) and chlorantranilprole (DuPont Lumivia), and a biological growth promoter; **V** = *Bacillus firmus* I-1582 (VOTiVO), a biological control agent of nematodes; More information on seed treatments can also be found in the ACES Corn IPM Guide at <http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>

<sup>3</sup> Yield adjusted to 15.5% moisture and an assumed test weight of 56 lbs bu<sup>-1</sup>.

Appreciation is expressed to David and Will Richardson, the Alabama Wheat and Feed Grain Committee, and the participating seed companies for supporting this test. Trade names are used only to give specific information. The Alabama Cooperative Extension System does not endorse or guarantee any product and does not recommend one product instead of another that might be similar.