



**2017 Alabama On-Farm Corn Hybrid Program
Dryland Glyphosate-Tolerant Test
Test Location: Cullman County
Farmer Cooperator: Ben Haynes
Regional Extension Agent: Eddie McGriff
Alabama Cooperative Extension System**

Planted: April 17, 2017
Tillage: No-till
Previous Crop: Soybeans
Fertilizer applied per acre: preplant - 70 lbs N, 60 lbs P₂O₅, and 120 lbs K₂O; sidedressed 140 lbs of N as a 30-0-0-3

Harvested: September 10, 2017
Seeding Rate: 28,000/acre
Soil Types: Tilsit fine sandy 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 6-row strips. Row spacing was 30 inches. Both strips were harvested. Harvested row lengths averaged 845 feet. Lodging was not observed in any of the hybrids. Producers are encouraged to consider several sources of information when making hybrid selections.

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

Hybrid (Advertised Relative Maturity)	Technology Traits ¹	Seed Treatments ²	Harvest	Yield ³
			Moisture	
			%	Bu/A
AgriGold A6572 VT2RIB (114 day)	VT2P _{RIB} , RR2	A/P500/V	17.0	223.5
AgriGold A6619 VT2RIBD1 (114 day)	DG, VT2P _{RIB} , RR2	A/P500/V	15.4	202.1
DeKalb DKC65-20 (DGV2P) (115 day)	GENDG, VT2P, RR2	A/P500/V	15.9	238.7
DeKalb DKC67-72 (VT2P) (117 day)	VT2P, RR2	A/P500/V	16.1	242.7
Dyna-Gro D54DC94 (114 day)	DG, VT2P, RR2	A/P250	17.1	215.3
Dyna-Gro D57VP51 (117 day)	GENVT3P, RR2	A/P500/V	17.4	239.3
Pioneer P1442 YHR (114 day)	Optimum Intrasect	PPST 250 plus Lumivia	16.1	224.9
Pioneer P1662 YHR (116 day)	Optimum Intrasect	PPST 250 plus Lumivia	17.1	223.0
			Test Average:	226.2

¹ **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; **DG** = DroughtGard (water optimizing technology); **GENDG** = Genuity DroughtGard; **GENVT3P** = Genuity VT Triple PRO (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_{RIB}** = 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>

² **Seed treatment key:** **A** = Acceleron seed treatment with fungicides prothioconazole, metalaxyl, and fluoxastrobin; **P250**, **P500** = insecticide clothianidin (Poncho) at 250 or 500 rate, respectively; **PPST 250 plus Lumivia** = Pioneer Premium Seed Treatment 250 with fungicides fludioxonil, mefenoxam, azoxystrobin, and thiabendazole, plus insecticides thiamethoxam (Cruiser) and chlorantraniliprole (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>

³ Yield adjusted to 15.5% moisture and an assumed test weight of 56 lbs bu⁻¹.

Appreciation is expressed to Ben Haynes, 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.