



**2017 Alabama On-Farm Corn Hybrid Program  
Irrigated Glyphosate-Tolerant Test  
Test Location: Houston County  
Farmer Cooperator: Andy Wells  
County Extension Coordinator: Willie Durr  
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Alabama Cooperative Extension System**

Planted: March 29, 2017  
Tillage: Strip-Till  
Previous Crop: Corn  
Fertilizer applied per acre: 13 gals in-furrow of 15-34-0 at planting; sidedressed 280 lbs of N, 200 lbs of P<sub>2</sub>O<sub>5</sub> and 260 lbs of K<sub>2</sub>O; additional 70 lbs of N applied through pivot.

Harvested: August 5, 2017  
Seeding Rate: 33,000/acre  
Soil Types: Dothan 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 4-row strips the length of the field in 36-inch rows. A fungicide application was made at ear development. Both strips were harvested. Harvested row lengths were 600 feet. No significant lodging was observed. Producers are encouraged to consider several sources of information when making hybrid selections.

Table 1. Houston County, AL irrigated on-farm corn hybrid performance test.

Hybrid (Advertised Relative Maturity)	Technology Traits <sup>1</sup>	Seed Treatments <sup>2</sup>	Yield <sup>3</sup>
			Bu/A
Croplan Genetics 5678 VT2P/RIB (116 day)	VT2P <sub>RIB</sub> , RR2	A/P250/Z	238.8
Croplan Genetics 6640 VT3P/RIB (113 day)	GENVT3P <sub>RIB</sub> , RR2	A/P250/Z	221.1
DeKalb DKC68-26 (VT2P) (118 day)	GENVT2P, RR2	A/P500/V	217.4
DeKalb DKC70-27 (VT2P) (120 day)	VT2P, RR2	A/P500/V/B-3	229.3
Dyna-Gro D57VC51 (117 day)	GENVT2P, RR2	A/P500/V	240.0
Pioneer P1197 YHR (111 day)	Optimum Intrasect	PPST/P1250/V	221.6
Pioneer P1916 YHR (119 day)	Optimum Intrasect	PPST 250 plus Lumivia	198.3
<b>Test Average:</b>			<b>223.8</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; **GENVT2P** = Genuity VT Double PRO (CB, CEW, 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; **B-3** = Acceleron B-300 SAT, a biological growth promoter; **P250, P500, P1250** = insecticide clothianidin (Poncho) at 250, 500 or 1250 rate, respectively; **PPST/P1250/V** = Pioneer Premium Seed Treatment with fungicides fludioxonil, mefenoxam, thiabendazole, azoxystrobin, and ethaboxam, plus Poncho1250, VOTIVO and a biological growth promoter; **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; **Z** = Zinc treatment. 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> by yield monitor.

Appreciation is expressed to Andy Wells, 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.