



2015 Alabama On-Farm Corn Hybrid Program
Irrigated Corn Hybrid Performance Test
Test Location: Barbour County
Farmer Cooperators: Corcoran Farms
Regional Extension Agent: Brandon A. Dillard
Alabama Cooperative Extension System

Planted: March 31, 2015
 Tillage: Disk/chisel/field cultivate
 Previous Crop: Soybeans
 Fertilizer Applied: 2 tons/acre of poultry litter preplant (estimated grade of 3% N - 3% P₂O₅ - 2% K₂O per ton); 32 pounds N, 28 pounds of P₂O₅, and 5 pounds of Sulfur per acre at planting; sidedressed with 260-60-250 pounds per acre of N-P₂O₅-K₂O, respectively

Harvested: August 8, 2015
 Seeding Rate: 38,000/acre
 Soil Type(s): Dothan fine sandy loam

Corn hybrids were provided by participating seed companies based upon their top two choices for the area and production type. Seed provided was already treated with each company's respective seed treatment(s); however, Counter was applied at 8 pounds/acre at planting. Each hybrid was planted in a single strip, consisting of 12 twin-rows, the length of the field. Row spacing was 38 inches. Two fungicide sprays were made. The harvested length of the test averaged 1,550 feet. No significant lodging was observed. Producers are encouraged to consider several sources of information when making hybrid selections.

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

Hybrid (Advertised Relative Maturity) ¹	Technology Traits ²	Seed Treatments ³	Harvest	Yield ⁴
			Moisture %	Bu/Ac
DeKalb DKC62-08 (112 days)	GENSS	A500/PV	17.7	227.0
CropLan 6640VT3P (113 days)	GENVT3P	A w/Z	17.1	240.0
Mycogen 2C797 (113 days)	SSX	CMX1250	16.2	218.4
Pioneer P1319HR (113 days)	HX1, LL, RR2	PPST/P1250/V	19.0	212.7
Syngenta NK N78S-3111 (116 days)	Agrisure Viptera 3111	AvC1250/VIBR	17.4	212.0
CropLan 8410VT3P (117 days)	GENVT3P	A w/Z	18.1	253.6
DeKalb DKC67-72 (117 days)	GENVT2P	A500/PV	19.0	228.6
Mycogen 2D848 (117 days)	SSX	CMX1250	18.6	228.0
Syngenta NK N83D-3000GT (118 days)	Agrisure3000GT	AvC1250/VIBR	19.7	231.8
Pioneer P1916YHR (119 days)	Optimum Intrasect	PPST/P1250/V	19.5	233.3

¹ Hybrids are listed in alphabetical order according to advertised relative maturity.

² 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 carworm; **CRW** = corn rootworm; **FAW** = fall armyworm; **LCB** = lesser cornstalk borer; **GT** = glyphosate tolerance; **LL** = Liberty Link; **RR2** = Roundup Ready2 Corn; **Agrisure 3000GT** (CB, GT, LL); **Agrisure Viptera 3111** (CB, CEW, FAW, GT, LL); **GENSS** = Genuity SmartStax, Monsanto (CB, CFW, CRW, FAW, LCB, LL, RR2); **GENVT2P** = Genuity VT Double PRO (CB, CEW, FAW, LCB, RR2); **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; **SSX** = SmartStax, Dow (CB, CEW, CRW, FAW, LCB, LL, RR2); **YGCB** = YieldGard CB. More information on *Bt* proteins and various corn traits can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>).

³ Seed treatment key: **A w/Z** = Acceleron seed treatment with zinc – insecticide clothianidin (Poncho 250) and the fungicides metalaxyl, trifloxystrobin, and ipconazole; **A500/PV** = Acceleron with Poncho 500 (clothianidin) and the fungicides metalaxyl, trifloxystrobin, and ipconazole, plus VOTIVO (*Bacillus firmus* I-1582, a biological control agent of nematodes); **AvC1250/VIBR** = Avicta Complete Corn with CruiserMaxx 1250 (insecticide thiamethoxam), the nematocidal abamectin, and the fungicides mefenoxam, fludioxonil, thiabendazole, and azoxystrobin, plus Vibrance (fungicide sedaxane); **CMX1250** = CruiserMaxx 1250 (thiamethoxam) and the fungicides mefenoxam, fludioxonil, thiabendazole, and azoxystrobin; **P1250/V** = Poncho 1250 (clothianidin) plus VOTIVO; **PPST** = Pioneer Premium Seed Treatment – insecticide clothianidin, the fungicides mefenoxam, fludioxonil, azoxystrobin and thiabendazole, and a biological performance enhancing technology. More information on seed treatments can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>).

⁴ Yield adjusted to 15.5% moisture and an assumed test weight of 56 lbs bu⁻¹.

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



2015 Alabama On-Farm Corn Hybrid Program
Irrigated Glyphosate-Tolerant Test
Test Location: Dale County
Farmer Cooperator: Jason Greene
County Extension Coordinator: Thomas Agee
Regional Extension Agent: Brandon A. Dillard
Alabama Cooperative Extension System

Planted: March 30, 2015
 Tillage: Strip-Till
 Previous Crop: Cotton
 Fertilizer Applied: 3 ton poultry litter per acre (estimated grade of 3% N - 3% P₂O₅ - 2% K₂O per ton) and sidedressed with 160 pounds of N per acre.

Harvested: August 27, 2015
 Seeding Rate: 38,000/acre
 Soil Types: Dothan fine sandy loam

Corn hybrids were provided by participating seed companies based upon their top two choices for the area and production type. 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. The harvested length of the test was 500 feet. No significant lodging was observed. Producers are encouraged to consider several sources of information when making hybrid selections.

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

Hybrid (Advertised Relative Maturity) ¹	Technology Traits ²	Seed Treatments ³	Harvest	Yield ⁴
			Moisture %	Bu/Ac
DeKalb DKC62-08 (112 days)	GENSS	A500/PV	16.3	195.31
CropLan 6640VT3P (113 days)	GENVT3P	A w/Z	15.3	190.31
Mycogen 2C797 (113 days)	SSX	CMX1250	16.8	200.06
Pioneer P1319HR (113 days)	HX1, LL, RR2	PPST/P1250/V	15.9	203.30
Syngenta NK N78S-3111 (116 days)	Agrisure Viptera 3111	AvC1250/VIBR	16.8	190.52
CropLan 8410VT3P (117 days)	GENVT3P	A w/Z	16.5	191.77
DeKalb DKC67-72 (117 days)	GENVT2P	A500/PV	17.6	222.00
Mycogen 2D848 (117 days)	SSX	CMX1250	17.9	192.48
Syngenta NK N83D-3000GT (118 days)	Agrisure3000GT	AvC1250/VIBR	17.7	195.84
Pioneer P1916YHR (119 days)	Optimum Intrasect	PPST/P1250/V	17.3	185.19

¹ Hybrids are listed in alphabetical order according to advertised relative maturity.

² 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; **RR2** = Roundup Ready2 Corn; **Agrisure 3000GT** (CB, GT, LL); **Agrisure Viptera 3111** (CB, CEW, FAW, GT, LL); **GENSS** = Genuity SmartStax, Monsanto (CB, CEW, CRW, FAW, LCB, LL, RR2); **GENVT2P** = Genuity VT Double PRO (CB, CEW, FAW, LCB, RR2); **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; **SSX** = SmartStax, Dow (CB, CEW, CRW, FAW, LCB, LL, RR2); **YGCB** = YieldGard CB. More information on *B.t.* proteins and various corn traits can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>).

³ Seed treatment key: **A w/Z** = Acceleron seed treatment with zinc – insecticide clothianidin (Poncho 250) and the fungicides metalaxyl, trifloxystrobin, and ipconazole; **A500/PV** = Acceleron with Poncho 500 (clothianidin) and the fungicides metalaxyl, trifloxystrobin, and ipconazole, plus VOTIVO (*Bacillus firmus* I-1582, a biological control agent of nematodes); **AvC1250/VIBR** = Avicta Complete Corn with CruiserMaxx 1250 (insecticide thiamethoxam), the nematocide abamectin, and the fungicides mefenoxam, fludioxonil, thiabendazole, and azoxystrobin, plus Vibrance (fungicide sedaxane); **CMX1250** = CruiserMaxx 1250 (thiamethoxam) and the fungicides mefenoxam, fludioxonil, thiabendazole, and azoxystrobin; **P1250/V** = Poncho 1250 (clothianidin) plus VOTIVO; **PPST** = Pioneer Premium Seed Treatment – insecticide clothianidin, the fungicides mefenoxam, fludioxonil, azoxystrobin and thiabendazole, and a biological performance enhancing technology. More information on seed treatments can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>).

⁴ Yield adjusted to 15.5% moisture and an assumed test weight of 56 lbs bu⁻¹.

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

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2015 Alabama On-Farm Corn Hybrid Program
Dryland Glyphosate-Tolerant Test
Test Location: Fayette County
Farmer Cooperator: Chris Gary
County Extension Coordinator: Warren Griffith
Regional Extension Agent: Tyler Sandlin
Alabama Cooperative Extension System

Planted: May 7, 2015
 Tillage: No-till
 Previous Crop: Corn
 Fertilizer Applied: Potash applied variable rate; applied 25 pounds of N per acre and 4.5 pounds of Sulfur per acre at planting and sidedressed 138 pounds N per acre
 Harvested: September 16, 2015
 Seeding Rate: 24,500/acre
 Soil Types: Stough loam

Corn hybrids were provided by participating seed companies based upon their top two choices for the area and production type. Seed provided was already treated with each company's respective seed treatment(s). The hybrids were planted in two 4-row strips the length of the field in 36-inch rows. The harvested length of the test was 500 feet. No significant lodging was observed. Producers are encouraged to consider several sources of information when making hybrid selections.

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

Hybrid (Advertised Relative Maturity) ¹	Technology Traits ²	Seed Treatments ³	Harvest	Yield ⁴
			Moisture %	Bu/Ac
DeKalb DKC61-79 (111 days)	GENVT2P	A500/PV	15.8	155.92
CropLan 6640VT3P (113 days)	GENVT3P	A w/Z	15.9	148.51
Pioneer P1319HR (113 days)	HX1, LL, RR2	PPST/P1250/V	15.1	168.29
Mycogen 2C786 (114 days)	SSX	CMX1250	15.5	141.05
Pioneer P1443YHR (114 days)	Optimum Intrasect/Aquamax	PPST/P1250/V	16.8	169.39
Syngenta NK N75H-3010A (114 days)	Agrisure Artesian 3010A	AvC500/VIBR	15.5	144.29
DeKalb DKC65-20 (115 days)	GENDGVT2P	A500/PV	15.6	161.47
CropLan 8621VT2P (117 days)	GENVT2P	A w/Z	16.9	153.89
Mycogen 2D848 (117 days)	SSX	CMX1250	19.4	127.74
Syngenta NK N83D-3000GT (118 days)	Agrisure3000GT	AvC1250/VIBR	17.7	138.64

¹ Hybrids are listed in alphabetical order according to advertised relative maturity.

² 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; **RR2** = Roundup Ready2 Corn; **Agrisure 3000GT** (CB, GT, LL); **Agrisure Artesian 3010A** (Agrisure GT/CB/LL trait stack plus drought/water optimizing technology); **GENDG** = Genuity DroughtGard (drought/water optimizing technology); **GENVT2P** = Genuity VT Double PRO (CB, CEW, FAW, LCB, RR2); **GENVT3P** = Genuity VT Triple PRO (CB, CEW, CRW, FAW, LCB, RR2); **HX1** = Herculex I (CB, FAW, LL); **Optimum Aquamax** (drought/water optimizing technology); **Optimum Intrasect** = combines HX1, YGCB, RR2 and LL; **SSX** = SmartStax, Dow (CB, CEW, CRW, FAW, LCB, LL, RR2); **YGCB** = YieldGard CB. More information on *B.t.* proteins and various corn traits can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>).

³ Seed treatment key: **A w/Z** = Acceleron seed treatment with zinc – insecticide clothianidin (Poncho 250) and the fungicides metalaxyl, trifloxystrobin, and ipconazole; **A500/PV** = Acceleron with Poncho 500 (clothianidin) and the fungicides metalaxyl, trifloxystrobin, and ipconazole, plus VOTIVO (*Bacillus firmus* I-1582, a biological control agent of nematodes); **AvC 500 or 1250/VIBR** = Avicta Complete Corn with CruiserMaxx 500 or CruiserMaxx 1250 (insecticide thiamethoxam), the nematocidal abamectin, and the fungicides mfenoxam, fludioxonil, thiabendazole, and azoxystrobin, plus Vibrance (fungicide sedaxane); **CMX1250** = CruiserMaxx 1250 (thiamethoxam) and the fungicides mfenoxam, fludioxonil, thiabendazole, and azoxystrobin; **P1250/V** = Poncho 1250 (clothianidin) plus VOTIVO; **PPST** = Pioneer Premium Seed Treatment – insecticide clothianidin, the fungicides mfenoxam, fludioxonil, azoxystrobin and thiabendazole, and a biological performance enhancing technology. More information on seed treatments can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>).

⁴ Yield adjusted to 15.5% moisture and an assumed test weight of 56 lbs bu⁻¹.

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



**2015 Alabama On-Farm Corn Hybrid Program
Dryland Glyphosate-Tolerant Test
Test Location: Hale County
Farmer Cooperator: Stanley and Clay Walters
Regional Extension Agent: Rudy Yates
Alabama Cooperative Extension System**

Planted: May 6, 2015
Tillage: Minimum-till
Previous Crop: Corn
Fertilizer Applied: 180-90-120 pounds per acre of N-P₂O₅-K₂O, respectively

Harvested: September 11, 2015
Seeding Rate: 26,500/acre
Soil Types: Sumter silty clay loam

Corn hybrids were provided by participating seed companies based upon their top two choices for the area and production type. Seed provided was already treated with each company's respective seed treatment(s). Each hybrid was planted in a 12-row strip, averaging 542 feet in length. Row spacing was 30 inches. All 12 rows of each strip were harvested. Lodging was observed in each strip but no significant difference was found. Producers are encouraged to consider several sources of information when making hybrid selections.

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

Hybrid (Advertised Relative Maturity) ¹	Technology Traits ²	Seed Treatments ³	Harvest	Yield ⁴
			Moisture %	
Pioneer P1319HR (113 days)	HX1, LL, RR2	PPST/P1250/V	15.2	141.30
DeKalb DKC64-69 (114 days)	GENVT3P	A500/PV	15.8	140.88
Mycogen 2C786 (114 days)	SSX	CMX1250	16.2	143.56
Pioneer P1443YHR (114 days)	Optimum Intrasect/Aquamax	PPST/P1250/V	15.4	139.24
Syngenta NK N75H-3010A (114 days)	Agrisure Artesian 3010A	AvC500/VIBR	14.8	122.49
DeKalb DKC65-20 (115 days)	GENDGVT2P	A500/PV	16.4	134.68
CropLan 8512DGV2P (117 days)	GENDGVT2P	A w/Z	15.4	145.03
CropLan 8621VT2P (117 days)	GENVT2P	A w/Z	15.0	140.58
Mycogen 2D848 (117 days)	SSX	CMX1250	19.5	149.30
Syngenta NK N83D-3000GT (118 days)	Agrisure3000GT	AvC1250/VIBR	17.1	141.03

¹ Hybrids are listed in alphabetical order according to advertised relative maturity.

² 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; **RR2** = Roundup Ready2 Corn; **Agrisure 3000GT** (CB, GT, LL); **Agrisure Artesian 3010A** (Agrisure GT/CB/LL trait stack plus drought/water optimizing technology); **GENDG** = Genuity DroughtGard (drought/water optimizing technology); **GENVT2P** = Genuity VT Double PRO (CB, CEW, FAW, LCB, RR2); **GENVT3P** = Genuity VT Triple PRO (CB, CEW, CRW, FAW, LCB, RR2); **HX1** = Herculex I (CB, FAW, LL); **Optimum Aquamax** (drought/water optimizing technology); **Optimum Intrasect** = combines HX1, YGCB, RR2 and LL; **SSX** = SmartStax, Dow (CB, CEW, CRW, FAW, LCB, LL, RR2); **YGCB** = YieldGard CB. More information on *B.t.* proteins and various corn traits can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>).

³ Seed treatment key: **A w/Z** = Acceleron seed treatment with zinc – insecticide clothianidin (Poncho 250) and the fungicides metalaxyl, trifloxystrobin, and ipconazole; **A500/PV** = Acceleron with Poncho 500 (clothianidin) and the fungicides metalaxyl, trifloxystrobin, and ipconazole, plus VO'LIVO (*Bacillus firmus* I-1582, a biological control agent of nematodes); **AvC 500 or 1250/VIBR** = Avicta Complete Corn with CruiserMaxx 500 or CruiserMaxx 1250 (insecticide thiamethoxam), the nematocide abamectin, and the fungicides mefenoxam, fludioxonil, thiabendazole, and azoxystrobin, plus Vibrance (fungicide sedaxane); **CMX1250** = CruiserMaxx 1250 (thiamethoxam) and the fungicides mefenoxam, fludioxonil, thiabendazole, and azoxystrobin; **P1250/V** = Poncho 1250 (clothianidin) plus VOTIVO; **PPST** = Pioneer Premium Seed Treatment – insecticide clothianidin, the fungicides mefenoxam, fludioxonil, azoxystrobin and thiabendazole, and a biological performance enhancing technology. More information on seed treatments can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>).

⁴ Yield adjusted to 15.5% moisture and an assumed test weight of 56 lbs bu⁻¹.

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



2015 Alabama On-Farm Corn Hybrid Program
Irrigated Glyphosate-Tolerant Test
Test Location: Macon County
Farmer Cooperator: Greg Pate
Extension Grain Specialist: Brenda Ortiz
Alabama Cooperative Extension System

Planted: April 24, 2015
 Tillage: Conventional
 Previous Crop: Soybeans
 Fertilizer Applied: 90 pounds/acre at planting of each: N-P₂O₅-K₂O; 90 pounds/acre of N at V6 growth stage; 90 pounds/acre of N at tasseling

Harvested: September 9, 2015
 Seeding Rate: 36,000/acre
 Soil Type(s): Silty clay loam

Corn hybrids were provided by participating seed companies based upon their top two choices for the area and production type. Seed provided was already treated with each company's respective seed treatment(s). Each hybrid was planted in a 6-row strip the length of the field in 36-inch rows. The harvested length of the test averaged 1,116 feet. Significant stalk lodging was observed in P1319HR*, but lodged plants were harvested by equipment. Producers are encouraged to consider several sources of information when making hybrid selections.

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

Hybrid (Advertised Relative Maturity) ¹	Technology Traits ²	Seed Treatments ³	Harvest	Yield ⁴
			Moisture %	
DeKalb DKC62-08 (112 days)	GENSS	A500/PV	15.9	227.09
Croplan Genetics 6640VT3P (113 days)	GENVT3P	A/Zn	15.5	241.57
Mycogen 2C797 (113 days)	SSX	CMX1250	15.5	217.41
Pioneer P1319HR* (113 days)	HX1,LL,RR2	PPST/P1250/V	16.4	210.10
Croplan Genetics 7087VT2P (114 days)	GENVT2P	A/Zn	16.6	214.72
DeKalb DKC67-72 (117 days)	GENVT2P	A500/PV	16.3	219.60
Mycogen 2D848 (117 days)	SSX	CMX1250	18.4	202.26
Pioneer P1916YHR (119 days)	YGCB,HX1,LL,RR2	PPST/P1250/V	17.6	214.88

¹ Hybrids are listed in alphabetical order according to advertised relative maturity.

² 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; **RR2** = Roundup Ready2 Corn; **GENSS** = Genuity SmartStax, Monsanto (CB, CEW, CRW, FAW, LCB, LL, RR2); **GENVT2P** = Genuity VT Double PRO (CB, CEW, FAW, LCB, RR2); **GENVT3P** = Genuity VT Triple PRO (CB, CEW, CRW, FAW, LCB, RR2); **HX1** = Herculex I (CB, FAW, LL); **SSX** = SmartStax, Dow (CB, CEW, CRW, FAW, LCB, LL, RR2); **YGCB** = YieldGard Corn Borer (CB). More information on *Bt* proteins and various corn traits can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/1/IPM-0428/IPM-0428.pdf>).

³ Seed treatment key: **A/Zn** = Acceleron with insecticide clothianidin (Poncho 250 rate) and the fungicides metalaxyl, trifloxystrobin, and ipconazole + Zinc; **A500/PV** = Acceleron with Poncho 500 (clothianidin) and the fungicides metalaxyl, trifloxystrobin, and ipconazole + VOTiVO (*Bacillus firmus* 1-1582, a biological control agent of nematodes); **CMX1250** = CruiserMaxx 1250 (thiamethoxam) and the fungicides mefenoxam, fludioxonil, thiabendazole, and azoxystrobin; **PPST/P1250/V** = Pioneer Premium Seed Treatment has the fungicides mefenoxam, fludioxonil, azoxystrobin and thiabendazole plus a biological seed treatment + Poncho 1250 (clothianidin) + VOTiVO (*Bacillus firmus* 1-1582). Please check the ACES Corn IPM Guide for more information on corn seed treatments.

⁴ Yield adjusted to 15.5% moisture and an assumed test weight of 56 lbs bu⁻¹.

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



2015 Alabama On-Farm Corn Hybrid Program
Dryland Glyphosate-Tolerant Test
Test Location: Morgan County
Farmer Cooperator: Ken Holiday
Regional Extension Agent: Tyler Sandlin
Alabama Cooperative Extension System

Planted: March 23, 2015
 Tillage: No-till
 Previous Crop: Soybeans
 Fertilizer Applied: 2 tons/acre of poultry litter in November (estimated grade of 3% N - 3% P₂O₅ - 2% K₂O per ton), 68 pounds N per acre at planting, and sidedressed with 53 pounds N per acre

Harvested: September 16, 2015
 Seeding Rate: 30,000/acre
 Soil Types: Dewey silt loam

Corn hybrids were provided by participating seed companies based upon their top two choices for the area and production type. Seed provided was already treated with each company's respective seed treatment(s). The hybrids were planted in 4-row strips the length of the field in 38-inch rows. The harvested length of the test was 400 feet. No significant lodging was observed. Producers are encouraged to consider several sources of information when making hybrid selections.

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

Hybrid (Advertised Relative Maturity) ¹	Technology Traits ²	Seed Treatments ³	Harvest	Yield ⁴
			Moisture %	Bu/Ac
Pioneer P1105YHR (111 days)	Optimum Intrasect	PPST/P1250/V	14.2	151.53
CropLan 6640VT3P (113 days)	GENVT3P	A w/Z	14.5	176.16
DeKalb DKC64-69 (114 days)	GENVT3P	A500/PV	15.1	179.56
Mycogen 2C786 (114 days)	SSX	CMX1250	14.4	175.44
DeKalb DKC65-20 (115 days)	GENDGVT2P	A500/PV	16.0	165.75
Pioneer P1637YHR (116 days)	Optimum Intrasect	PPST/P1250/V	16.0	200.55
CropLan 8621VT2P (117 days)	GENVT2P	A w/Z	14.9	163.59
Mycogen 2D848 (117 days)	SSX	CMX1250	18.9	157.08

¹ Hybrids are listed in alphabetical order according to advertised relative maturity.

² 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; **RR2** = Roundup Ready2 Corn; **GENDG** = Genuity DroughtGard (drought/water optimizing technology); **GENVT2P** = Genuity VT Double PRO (CB, CEW, FAW, LCB, RR2); **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; **SSX** = SmartStax, Dow (CB, CEW, CRW, FAW, LCB, LL, RR2); **YGCB** = YieldGard CB. More information on *B.t.* proteins and various corn traits can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>).

³ Seed treatment key: **A w/Z** = Acceleron seed treatment with zinc - insecticide clothianidin (Poncho 250) and the fungicides metalaxyl, trifloxystrobin, and ipconazole; **A500/PV** = Acceleron with Poncho 500 (clothianidin) and the fungicides metalaxyl, trifloxystrobin, and ipconazole, plus VOTiVO (*Bacillus firmus* I-1582, a biological control agent of nematodes); **CMX1250** = CruiserMaxx 1250 (thiamethoxam) and the fungicides mefenoxam, fludioxonil, thiabendazole, and azoxystrobin; **P1250/V** = Poncho 1250 (clothianidin) plus VOTiVO; (*Bacillus firmus* I-1582); **PPST** = Pioneer Premium Seed Treatment - insecticide clothianidin, the fungicides mefenoxam, fludioxonil, azoxystrobin and thiabendazole, and a biological performance enhancing technology. More information on seed treatments can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>).

⁴ Yield adjusted to 15.5% moisture and an assumed test weight of 56 lbs bu⁻¹.

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



**2015 Alabama On-Farm Corn Hybrid Program
Dryland Glyphosate-Tolerant Test
Test Location: Shelby County
Farmer Cooperator: John Deloach
County Extension Coordinator: Ricky Colquitt
Regional Extension Agent: Tyler Sandlin
Alabama Cooperative Extension System**

Planted: May 5, 2015
Tillage: No-till
Previous Crop: Corn
Fertilizer Applied: 170 pounds N and 30 pounds of Sulfur per acre at planting and sidedressed with 30-80-105 pounds per acre of N-P₂O₅-K₂O, respectively

Harvested: September 14, 2015
Seeding Rate: 30,000/acre
Soil Types: Choccolocco loam

Corn hybrids were provided by participating seed companies based upon their top two choices for the area and production type. Seed provided was already treated with each company's respective seed treatment(s). The hybrids were planted in 6-row strips the length of the field in 30-inch rows. The harvested length of the test was 500 feet. Producers are encouraged to consider several sources of information when making hybrid selections.

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

Hybrid (Advertised Relative Maturity) ¹	Technology Traits ²	Seed Treatments ³	Harvest	Yield ⁴
			Moisture %	
CropLan 6640VT3P (113 days)	GENVT3P	A w/Z	16.8	201.59
Mycogen 2C797 (113 days)	SSX	CMX1250	17.1	189.26
Pioneer P1319HR (113 days)	HX1, LL, RR2	PPST/P1250/V	16.9	194.41
Pioneer P1443YHR (114 days)	Optimum Intrasect/Aquamax	PPST/P1250/V	17.7	190.92
DeKalb DKC65-20 (115 days)	GENDGV2P	A500/PV	17.7	200.82
CropLan 8621VT2P (117 days)	GENVT2P	A w/Z	17.6	192.98
DeKalb DKC67-72 (117 days)	GENVT2P	A500/PV	16.8	182.80
Mycogen 2D848 (117 days)	SSX	CMX1250	19.0	192.68

¹ Hybrids are listed in alphabetical order according to advertised relative maturity.

² 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; **RR2** = Roundup Ready2 Corn; **GENDG** = Genuity DroughtGard (drought/water optimizing technology); **GENVT2P** = Genuity VT Double PRO (CB, CEW, FAW, LCB, RR2); **GENVT3P** = Genuity V1 Triple PRO (CB, CEW, CRW, FAW, LCB, RR2); **HX1** = Herculex I (CB, FAW, LL); **Optimum Aquamax** (drought/water optimizing technology); **Optimum Intrasect** = combines HX1, YGCB, RR2 and LL; **SSX** = SmartStax, Dow (CB, CEW, CRW, FAW, LCB, LL, RR2); **YGCB** = YieldGard CB. More information on *Bt* proteins and various corn traits can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>).

³ Seed treatment key: **A w/Z** = Acceleron seed treatment with zinc – insecticide clothianidin (Poncho 250) and the fungicides metalaxyl, trifloxystrobin, and ipconazole; **A500/PV** = Acceleron with Poncho 500 (clothianidin) and the fungicides metalaxyl, trifloxystrobin, and ipconazole, plus VOTIVO (*Bacillus firmus* L-1582, a biological control agent of nematodes); **CMX1250** = CruiserMaxx 1250 (thiamethoxam) and the fungicides mefenoxam, fludioxonil, thiabendazole, and azoxystrobin; **P1250/V** = Poncho 1250 (clothianidin) plus VOTIVO (*Bacillus firmus* L-1582); **PPST** = Pioneer Premium Seed Treatment – insecticide clothianidin, the fungicides mefenoxam, fludioxonil, azoxystrobin and thiabendazole, and a biological performance enhancing technology. More information on seed treatments can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>).

⁴ Yield adjusted to 15.5% moisture and an assumed test weight of 56 lbs bu⁻¹.

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



2015 Alabama On-Farm Corn Hybrid Program
Irrigated Glyphosate-Tolerant Test
Test Location: Talladega County
Farmer Cooperator: WeB Farms
County Extension Coordinator: Wanda Jurriaans
Regional Extension Agent: Christy Hicks
Alabama Cooperative Extension System

Planted: April 24, 2015
 Tillage: No-till
 Previous Crop: Soybeans
 Fertilizer Applied: minimum of 170 pounds of N per acre; P₂O₅ and K₂O applied variable rate

Harvested: September 19, 2015
 Seeding Rate: 28,000/acre
 Soil Types: Dowellton silty loam

Corn hybrids were provided by participating seed companies based upon their top two choices for the area and production type. Seed provided was already treated with each company's respective seed treatment(s). Each hybrid was planted in an 8-row strip the length of the field in 30-inch rows. The harvested length of the test was 500 feet. No significant lodging was observed. Producers are encouraged to consider several sources of information when making hybrid selections.

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

Hybrid (Advertised Relative Maturity) ¹	Technology Traits ²	Seed Treatments ³	Harvest	Yield ⁴
			Moisture %	Bu/Ac
DeKalb DKC62-08 (112 days)	GENSS	A500/PV	12.9	257.7
Croplan Genetics 6640VT3P (113 days)	GENVT3P	A/Zn	12.0	252.4
Mycogen 2C797 (113 days)	SSX	CMX1250	13.2	234.1
Pioneer P1319HR (113 days)	HX1,LL,RR2	PPST/P1250/V	13.3	245.8
Croplan Genetics 7087VT2P (114 days)	GENVT2P	A/Zn	14.8	239.1
DeKalb DKC67-72 (117 days)	GENVT2P	A500/PV	13.6	264.9
Mycogen 2D848 (117 days)	SSX	CMX1250	14.9	224.4
Pioneer P1916YHR (119 days)	YGCB,HX1,LL,RR2	PPST/P1250/V	14.2	242.2

¹Hybrids are listed in alphabetical order according to advertised relative maturity.

²The 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; **RR2** = Roundup Ready2 Corn; **GENSS** = Genuity SmartStax, Monsanto (CB, CEW, CRW, FAW, LCB, LL, RR2); **GENVT2P** = Genuity VT Double PRO (CB, CEW, FAW, LCB, RR2); **GENVT3P** = Genuity VT Triple PRO (CB, CEW, CRW, FAW, LCB, RR2); **HX1** = Herculex I (CB, FAW, LL); **SSX** = SmartStax, Dow (CB, CEW, CRW, FAW, LCB, LL, RR2); **YGCB** = YieldGard Corn Borer (CB). More information on *B.t.* proteins and various corn traits can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/1/IPM-0428/IPM-0428.pdf>).

³Seed treatment key: **A/Zn** = Acceleron with insecticide clothianidin (Poncho 250 rate) and the fungicides metalaxyl, trifloxystrobin, and ipconazole + Zinc; **A500/PV** = Acccleron with Poncho 500 (clothianidin) and the fungicides metalaxyl, trifloxystrobin, and ipconazole + VOIIVO (*Bacillus firmus 1-1582*, a biological control agent of nematodes); **CMX1250** = CruiserMaxx 1250 (thiamethoxam) and the fungicides mefenoxam, fludioxonil, thiabendazole, and azoxystrobin; **PPST/P1250/V** = Pioneer Premium Seed Treatment has the fungicides mefenoxam, fludioxonil, azoxystrobin and thiabendazole plus a biological seed treatment + Poncho 1250 (clothianidin) + VOIIVO (*Bacillus firmus 1-1582*). Please check the ACES Corn IPM Guide for more information on corn seed treatments.

⁴Yield adjusted to 15.5% moisture and an assumed test weight of 56 lbs bu⁻¹.

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



2015 Alabama On-Farm Corn Hybrid Program
Dryland Glyphosate-Tolerant Test
Test Location: Washington County
Farmer Cooperator: Rod Richardson
Regional Extension Agent: Kim Wilkins
Alabama Cooperative Extension System

Planted: April 9, 2015
 Tillage: No-Till
 Previous Crop: Cotton
 Fertilizer Applied: 150-60-120 pounds per acre of N-P₂O₅-K₂O, respectively

Harvested: August 14, 2015
 Seeding Rate: 26,000/acre
 Soil Types: Riverview fine sandy loam

Corn hybrids were provided by participating seed companies. Companies had the opportunity to enter their top two choices for the area and production type. Seed provided was already treated with each company's respective seed treatment(s). Each hybrid was planted in a 4-row strip the length of the field in 36-inch rows. The harvested strips averaged 570 feet in length. No significant lodging was observed. Producers are encouraged to consider several sources of information when making hybrid selections.

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

Hybrid (Advertised Relative Maturity) ¹	Technology Traits ²	Seed Treatments ³	Harvest	Yield ⁴
			Moisture %	Bu/Ac
Pioneer P1319HR (113 days)	HX1, LL, RR2	PPST/P1250/V	17.5	200.64
Mycogen 2C786 (114 days)	SSX	CMX1250	17.0	192.97
Pioneer P1443YHR (114 days)	Optimum Intrasect/Aquamax	PPST/P1250/V	16.2	210.20
DeKalb DKC65-20 (115 days)	GENDGVT2P	A500/PV	17.1	182.41
CropLan 8512DGV2P (117 days)	GENDGVT2P	A w/Z	17.0	195.27
CropLan 8621VT2P (117 days)	GENVT2P	A w/Z	16.8	195.37
DeKalb DKC67-58 (117 days)	GENVT2P	A500/PV	16.7	185.80
Mycogen 2D848 (117 days)	SSX	CMX1250	19.6	205.06
Syngenta NK N83D-3000GT (118 days)	Agrisure3000GT	AvC1250/VIBR	19.5	193.82

¹ Hybrids are listed in alphabetical order according to advertised relative maturity.

² 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; **RR2** = Roundup Ready2 Corn; **Agrisure 3000GT** (CB, GT, LL); **GENDG** = Genuity DroughtGard (drought/water optimizing technology); **GENVT2P** = Genuity V1 Double PRO (CB, CEW, FAW, LCB, RR2); **HX1** = Herculex I (CB, FAW, LL); **Optimum Aquamax** (drought/water optimizing technology); **Optimum Intrasect** = combines HX1, YGCB, RR2 and LL; **SSX** = SmartStax, Dow (CB, CEW, CRW, FAW, LCB, LL, RR2); **YGCB** = YieldGard CB. More information on *B.t.* proteins and various corn traits can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>).

³ Seed treatment key: **A w/Z** = Acceleron seed treatment with zinc – insecticide clothianidin (Poncho 250) and the fungicides metalaxyl, trifloxystrobin, and ipconazole; **A500/PV** = Acceleron with Poncho 500 (clothianidin) and the fungicides metalaxyl, trifloxystrobin, and ipconazole, plus VOTiVO (*Bacillus firmus* I-1582, a biological control agent of nematodes); **AvC1250/VIBR** = Avicta Complete Corn with CruiserMaxx 1250 (insecticide thiamethoxam), the nematocidal abamectin, and the fungicides mefenoxam, fludioxonil, thiabendazole, and azoxystrobin, plus Vibrance (fungicide sedaxane); **CMX1250** = CruiserMaxx 1250 (thiamethoxam) and the fungicides mefenoxam, fludioxonil, thiabendazole, and azoxystrobin; **P1250/V** = Poncho 1250 (clothianidin) plus VOTiVO; **PPST** = Pioneer Premium Seed Treatment – insecticide clothianidin, the fungicides mefenoxam, fludioxonil, azoxystrobin and thiabendazole, and a biological performance enhancing technology. More information on seed treatments can be found in the ACES Corn IPM Guide (<http://www.aces.edu/pubs/docs/I/IPM-0428/IPM-0428.pdf>).

⁴ Yield adjusted to 15.5% moisture and an assumed test weight of 56 lbs bu⁻¹.

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