

Piedmont Region

Griffin, Georgia:

Short-Season Corn Hybrid Performance, 2005, Irrigated

Company or Brand Name	Hybrid Name	Yield ¹		Ears/100 Plants	Ear Grain Weight	Grain Quality ²	Grain Moist. ³	Plant Pop. no.	Erect Plants %	
		2005	2-Year Avg bu/acre							3-Year Avg
Terral	TV25BR23(RR/YGCB)	208.0	.	.	100	0.45	1.0	14.8	25431	97
Golden Acres	8112	199.9	212.8	234.6	100	0.44	1.4	14.0	25168	99
Croplan Genetics	731HX/LL	195.5	.	.	101	0.41	1.8	14.4	26136	99
SS	746RRBT	195.5	.	.	100	0.37	2.0	13.9	29282	98
Hyttest	7799Bt	194.2	222.3	.	100	0.42	1.4	14.8	26015	99
Pioneer	33M54	191.9	219.2	232.5	105	0.41	1.6	14.9	24805	100
Pioneer	33H25	185.7	.	.	101	0.40	2.2	14.2	25289	99
Terral	TV27C48	185.1	.	.	104	0.44	1.5	15.5	23011	100
AgraTech	733RR	184.5	.	.	100	0.40	1.7	14.5	25270	100
Terral	TV26B34(YGCB)	179.8	.	.	100	0.42	2.0	14.5	23495	100
Terral	TV2140nRR	178.5	211.8	229.1	101	0.36	1.3	14.0	27524	98
Croplan Genetics	692RR2/BT	175.1	.	.	100	0.35	1.3	15.0	27686	96
Terral	TV26BR41(RR/YGCB)	165.9	.	.	100	0.35	1.5	14.6	26395	98
NK	1851W	165.0	194.6	209.7	100	0.34	1.0	14.9	27061	95
Terral	TV25R31(RR)	159.5	.	.	101	0.39	2.0	14.6	22748	97
DeKalb	DKC61-72(RR2)	158.1	.	.	103	0.36	1.8	13.4	23334	96
SS	692BT	155.0	.	.	101	0.35	1.0	13.8	23814	98
Terral	TV23R31(RR)	150.8	.	.	100	0.34	1.7	14.8	25335	96
Vigoro	V56Y51	142.8	185.5	.	101	0.40	1.8	13.8	19784	94
<i>Average</i>		177.4 ⁴	207.7	226.5	101	0.39	1.6	14.4	25136	98
<i>LSD at 10% Level</i>		14.2	N.S. ⁵	N.S.	N.S.	0.04	N.S.	0.4	2550	N.S.
<i>Std. Err. of Entry Mean</i>		6.0	4.0	4.5	1	0.02	0.3	0.2	1077	2

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 6.8%, and df for EMS = 54.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

Bolding indicates entries yielding equal to highest yielding entry within a column based on Fisher's protected LSD (P = 0.10).

Planted: April 21, 2005.
 Harvested: September 20, 2005.
 Seeding Rate: 30,000 seeds/acre in 30" rows.
 Soil Type: Cecil clay loam.
 Soil Test: P = Medium, K = High, and pH = 6.3.
 Fertilization: 49 lb N, 98 lb P₂O₅, and 147 lb K₂O/acre as preplant; 200 lb N/acre as sidedress.
 Previous Crop: Wheat.
 Management: Chisel plowed, disked, and rototilled; Atrazine, Lasso, and Basagran used for weed control; Irrigated 0.5 inch.

Test conducted by P. A. Rose.

Griffin, Georgia: Mid-Season Corn Hybrid Performance, 2005, Irrigated

Company or Brand Name	Hybrid Name	Yield ¹			Ears/100 Plants	Ear Grain Weight	Grain Quality ²	Grain Moist. ³	Plant Pop. no.	Erect Plants %
		2005	2-Year Avg	3-Year Avg						
		----- bu/acre -----			no.	lb	rating	%	no.	%
Pioneer	32D99	225.4	237.5	251.5	101	0.53	1.6	16.7	24200	100
Croplan Genetics	851RR2/BT	200.5	.	.	95	0.52	1.3	14.9	22946	97
Pioneer	31G66	200.5	214.9	233.0	101	0.47	1.1	15.3	23958	98
DeKalb	DKC69-72(RR2)	194.7	.	.	101	0.45	1.0	15.5	24266	100
Hytest	7806RR2/BT	194.4	.	.	100	0.47	1.3	16.0	23353	100
DeKalb	DKC69-71(RR2/YGCB)	191.8	207.9	219.2	101	0.48	1.0	15.7	22385	100
Golden Acres	8681FQ	189.7	191.5	201.3	100	0.44	1.3	16.9	24428	100
Monsanto	NC6901	187.1	.	.	102	0.47	1.0	15.4	22167	100
DeKalb	DKC66-21(YGCB)	186.7	.	.	105	0.44	1.0	15.6	22627	99
Pioneer	31N26(RR2)	185.5	.	.	101	0.45	1.3	15.4	22748	100
NK	N91-R9	183.3	197.5	216.4	102	0.43	1.0	16.3	23621	98
DynaGro	CX04520	181.9	.	.	106	0.49	1.3	15.0	19723	98
Monsanto	NC6704NRR1	180.9	.	.	103	0.42	1.3	14.9	23474	100
Monsanto	NC6702	172.0	.	.	106	0.39	1.0	15.0	22976	100
SS	804	169.9	.	.	100	0.41	1.3	14.2	22743	98
Vigoro	V58Y41	169.1	196.2	.	102	0.41	1.0	15.0	22330	96
DeKalb	DKC67-60(RR2)	166.5	190.6	.	108	0.38	1.0	15.6	23111	100
DynaGro	CX05516	164.0	.	.	100	0.41	1.3	14.6	22008	99
SS	842RR2/YGCB	162.3	.	.	101	0.41	1.4	16.0	21846	99
AgraTech	755RR	161.4	.	.	100	0.42	1.3	14.9	21452	96
Golden Acres	8311	158.3	173.5	187.4	102	0.37	1.0	15.2	23711	99
<i>Average</i>		182.2 ⁴	201.2	218.1	102	0.44	1.2	15.4	22861	99
<i>LSD at 10% Level</i>		20.5	12.6	9.6	4	0.05	N.S. ⁵	0.7	N.S.	2
<i>Std. Err. of Entry Mean</i>		8.7	5.3	3.7	2	0.02	0.2	0.3	934	1

1. Yields calculated at 15.5% moisture.
2. Grain quality rating: 1 = excellent to 5 = poor.
3. Grain moisture at harvest.
4. CV = 9.5%, and df for EMS = 60.
5. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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