



THE UNIVERSITY OF GEORGIA
COOPERATIVE EXTENSION
Colleges of Agricultural and Environmental Sciences & Family and Consumer Sciences

2010 Macon County Corn Grain and Silage Trials



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Special Thanks

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Seed Companies

Pioneer Seed

Mycogen Seed

TA Seed

Golden Acres

DeKalb Seed

Masters Choice

Dyna-Gro Seed

2010 Corn Grain and Silage Trial – Macon County, Overholt Farms

Hybrid	Tons/Acre 35% DM	Tons/Acre 100% DM	DM @ Harvest	CP%	ADF%	NDF%	Starch %	TDN%	IVTD 24 Hr	IVTD 48 Hr	Milk lb/Ton DM	Grain Yield in Bu/Acre (15%)	Test Weight Lb/Bu
Dyna Gro V5373VT3	22.01	7.70	28.9	2.0	10.1	14.9	5.7	18	66	74	2496	214.6	55
Pioneer 33M57	27.02	9.45	33.1	2.3	11.6	18.1	6.4	21	64	75	2668	212.2	60.1
Pioneer 33M52	33.42	11.69	30.8	2.0	9.3	15.2	7.8	21	70	79	3103	190.4	58.7
DeKalb 66-96	28.25	9.88	33.0	2.2	8.6	14.8	10.3	24	75	81	3441	199.3	58.6
Pioneer 1615	30.51	10.67	36.7	2.6	8.0	14.1	14.0	27	77	83	3358	215.2	59.2
TA 780	31.19	11.13	35.7	2.4	7.7	13.6	13.7	27	79	85	3537	201.8	57.1
Masters Choice 590	29.22	10.22	31.9	2.0	9.1	15.5	8.6	22	71	78	3175	196.7	56
DeKalb 68-06	27.05	9.47	34.4	2.4	9.7	16.0	10.2	24	70	79	3160	214.1	57.2
Dyna Gro 58VP99	32.06	11.22	35.2	2.5	8.0	13.9	13.0	26	75	82	3376	195.9	58.9
TA 790	30.12	10.54	38.3	2.6	9.8	16.9	12.7	27	74	80	3114	202.1	59.5
Pioneer 31P42	26.90	9.41	31.6	2.3	9.2	15.3	8.0	22	72	80	3190	196.2	59.1
Pioneer 2023	32.12	11.24	35.0	2.5	8.5	14.8	11.5	25	75	82	3353	210.2	61.5
Pioneer 31D57	25.12	8.79	34.1	2.5	8.4	14.2	11.0	26	77	84	3467	196.5	61

24 row plots under center pivot irrigation, 2 tons of poultry litter plus 60 units of nitrogen at planting. Soil test levels P was very high and K was high. Soil pH was 7.2. Planted on March 24 2010. Corn silage harvested on July 7 and 9, 2010. Grain harvested on August 11, 2010. Topdressed 100 units of nitrogen. Weed control was RUP + atrazine. Previous crop was soybeans. Corn silage as collected by harvesting 10 feet of row and chipped in a wood chipper. Grain harvest was collected by harvesting with a combine and weighed with a weigh wagon.

2010 Corn Grain and Silage Trial – Macon County – Whitehouse Farms

Hybrid	Tons/Acre 100%/DM	Tons/Acre 30% DM	DM @ Harvest	CP%	ADF%	NDF%	Starch %	TDN%	Milk lb/Ton DM	Estimated Corn Grain Yield Bu/A
Pioneer 31Y42	8.69	28.96	33.2	7.85	24.31	43.17	31.09	70.82	3353	170.5
Pioneer 2023HR	10.59		40.9	7.42	22.30	39.21	35.18	72.23	3417	186.6
Pioneer 31P42	7.85	26.15	30.2	8.38	25.90	44.27	28.46	69.71	3214	167.9
DeKalb 67-88	6.85	22.84	33.4	8	23.35	39.82	33.09	71.50	3367	170.4
Golden Acres 2839RR	7.27	24.22	31.2	8.28	23.00	42.23	36.24	70.58	3347	209.6
Pioneer 33F87	7.69	25.63	32.0	8.26	27.62	40.13	32.67	71.74	3405	172.8
Mycogen TMF2L844	7.33	24.44	29.9	8.76	31.71	42.53	34.58	71.10	3391	167.4
Mycogen TMF2H918	6.69	22.32	29.8	8.50	23.91	51.46	25.97	65.64	2972	157.8
Masters Choice 590 RR	6.78	22.60	31.6	8.40	24.66	46.67	31.19	68.51	3182	150.9

12 row plots under center pivot irrigation. Corn was planted on April 12th. 150 units of nitrogen. Soil test levels at planting P and K was high, Soil pH was 6.0. Roundup +atrazine used for weed control. Corn was chopped with a silage chopper on July 22. Corn grain yield estimated by component method. Previous crop was soybeans.