CONVENTIONAL AND ROUNDUP READY CORN HYBRIDS YIELDS AND CROP VALUE

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SUMMARY:

In an evaluation of the top seventeen Roundup Ready and conventional corn hybrids offered by area seed companies and planted on March 18, 2005, yields ranged from 105 - 129 bu/ac. At the 2005 average corn market price of $2.23/bu, the corn hybrids ranged in value from $234 - 288 per acre.

OBJECTIVES:

To determine the yield potential of the top conventional and Roundup Ready corn hybrids offered by area seed companies. This demonstration will assist the producers by evaluating all major hybrids, comparing them locally and then with coastal counties actively participating in the standardized demonstration.

MATERIALS and METHODS:

Seventeen conventional or Roundup Ready corn hybrids were planted on March 18, 2005 with one conventional hybrid, B-H Genetics 9043 chosen to be planted within the demonstration for field accuracy testing. Fertilizer included: 448 lbs/ac of 22-6-2-2s. Herbicide included 1.5 pt/ac of Atrazine.

Seeding rate was set at 21,700 seeds per acre and demonstration was planted with a 1720 John Deere MaxEmerge Plus Vacumeter. The corn hybrids were harvested with a combine on July 14, 2005. Yields were adjusted for accuracy testing and converted to 15 percent moisture.

RESULTS and DISCUSSIONS:

The 2005 production season was normal to above normal in rainfall and soil moisture for the beginning of the spring season. Unfortunately rainfall nearly ceased after mid-March with only two one-inch rains carrying the crop through harvest, limiting yields.

While yields were good ranging from 105 - 129 bu/ac, other sites that received more rain reported yield over 175 to up to 200 bu/ac., the highest ever reported in the county.

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DISCLAIMER CLAUSE:

Trade names of commercial products used in this report are included only for better understanding and clarity. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by the Texas A&M University System is implied. Readers should realize that results from one experiment do not represent conclusive evidence that the same response would occur where conditions vary.

Table 1. Evaluation of conventional and Roundup Ready corn hybrids. Roy Jurica, Cooperator, Victoria County, TX 2005.

Seed Company	Hybrid	% Moist.	Bushel Wt. Lbs/Bu	Adjusted Yield Bu/Ac 1/	Crop Value $/Ac 2/
Golden Acres	2841 RRB	15.0	52	129	$288
Triumph	1563 CBRR	17.1	54	126	281
Garst	8225 YGI/RR	15.0	53	126	281
NC+	5433 RB	14.7	54	125	279
DeKalb	DKC69-71 AR2	18.3	56	124	277
Golden Acres	2839 RR	16.6	51	121	270
DynaGro	57K66	17.0	54	121	270
DynaGro	57P35	15.1	54	120	268
DeKalb	DKC6972 AR2	17.3	55	119	265
Garst	8270RR	16.5	54	118	263
Pioneer	32T22	16.6	56	117	261
B-H Genetics (Ck)	9043	17.3	56	114	254
Croplan	818RR2/BTMR	16.9	53	113	252
Triumph	1866 RR	16.7	56	111	248
B-H Genetics	9011 RR	16.6	59	110	245
B-H Genetics	8913 RR/YGCB	15.2	56	107	239
Croplan	818 RR	14.8	53	105	234

1/ Adjusted for 15 percent moisture and accuracy testing
2/ Crop value based on $2.23/bushel