EVALUATION OF ROUNDUP READY CORN HYBRIDS YIELDS AND CROP VALUE

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SUMMARY:

Thirteen Roundup Ready corn hybrids planted on February 21, 2007 yielded from 94 - 128 bushels per acre. At the 2007 average corn market price of $3.29/bushel, the corn hybrids ranged in value from $359 - 424 per acre.

OBJECTIVES:

To determine the yield potential of the top 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:

Thirteen Roundup Ready corn hybrids were planted on February 21, 2007 with Triumph 1866RR planted within the demonstration for field accuracy testing. Previous crop planted was cotton. Fertilizer included 500 lbs/ac of 22-6-2-3s plus 0.05Zn. Herbicide applied on a 19 inch band was 1 qt/ac of Expert (Dual + Atrazine + Touchdown) and 0.50 pt/ac of Grounded. Insecticide applied was 1.6 oz/ac of Asana.

Seeding rate was set at 22,300 seeds per acre and demonstration was planted with a 7300 John Deere MaxEmerge II. For weed control, 24 oz/a of Honcho Plus was applied along with Status for broadleaf weed control. The plots were not cultivated. Harvest date was August 13, 2007 with a commercial combine. Yields were adjusted to 15 percent moisture and adjusted for accuracy checking.

RESULTS and DISCUSSIONS:

The crop grew well with ample moisture throughout the season. The field stayed very clean of weeds and the corn matured with excellent yields ranging from 94 - 128 bushels per acre.

ACKNOWLEDGMENTS:

Appreciation is expressed to contributing seed companies and to Marshall Lange, cooperator and to Leland Lange, Sammy Fischer and Tony Janis who assisted harvesting this demonstration.

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 Roundup Ready corn hybrids and their agronomic and economic yield data. Marshall Lange, Cooperator, Victoria County, TX 7007.

Seed Company	Hybrid	Bushel Weight	% Moisture	Adjusted Yield [1/]	Crop Value $/A [2/]
Warner	4705BR (YGRR)	54	10.7	128	424
NC+	6125RBD	56	12.5	124	415
B-H Genetics	9077 RR/YGCB	58	12.8	121	408
Pioneer	31G71 (RRHXLL-1250)	57	12.4	121	398
Golden Acres	2842 RRBW	55	11.6	119	398
Garst	8225 YG/RR	57	11.8	117	392
Triumph	1866RR	58	12.7	116	385
DeKalb	C69-71 RR2/YGCB	60	12.9	114	382
B-H Genetics	8913 RRYGCB	58	12.6	114	375
Asgrow	RX940RR2	58	13.3	113	375
Triumph	1536CBRR	55	11.7	112	372
B-H Genetics	9015 RR/YGCB	60	12.9	109	368
B-H Genetics	9044 RR	59	13.0	94	359

[1/] Adjusted for 15 percent moisture and accuracy testing

[2/] Crop value based on $3.29/bushel