

Clinton County, Kentucky Grain Corn Hybrid Performance Report: 2005

Cooperator: John Freeman
Planting Date: 5/5/2005
Seeding Rate: 29,000 plants/acre
Plot size: 12 rows wide, approximately 0.3 acres per plot
Harvest Date: 10/11/2005

Fertilizers:

Liquid 3-18-18 at 7 gallons/acre + Trace Mineral Pack with Humase at 2 gallons/acre
Sidedress (Topdress): Liquid N (28%) at 25 gallons/acre with drop nozzles when corn was knee high

Herbicides: Bicep at 1.8 qt/acre, Roundup at 2 pints/acre (preplant burndown)

Loc. ^a	Brand	Hybrid	Yield ^b bu/acre	Adjusted Yield ^c bu/acre	Rank
1	Garst	8464 ^d	127.5		
2	Pioneer	33P67	149.2	149.0	6
3	Garst	8292Y6	153.3	153.3	4
4	NK	N65-M7	141.9	142.1	9
5	Garst	8464	128.4		
6	Pioneer	33M54	144.2	143.0	8
7	Garst	8481 IT	133.2	133.2	10
8	NK	N70-T9	151.6	152.9	5
9	Garst	8464	132.8		
10	Pioneer	34B24	155.7	154.7	3
11	Garst	8450 IT	147.3	147.3	7
12	NK	N65-C5	174.1	175.2	1
13	Garst	8464	136.0		
14	Pioneer	31G68	165.6	165.6	2
15	Garst	8464	136.1		
Study Average			145.1		
Check Average			132.2		

^a Loc. Refers to location of hybrid in the field.

^b Yield is reported on a dry weight basis.

^c Adjusted yield: yields were adjusted with a calculation that includes yield of the two closest check hybrids and position of hybrid in the field. The adjusted yields did not alter the rankings of any of the hybrids in the study.

^d Garst 8464 was the check hybrid in the study and is not included in the rankings. The check average refers to Garst 8464 average yield in this trial.

Other Comments:

Every effort was made to make the study a fair comparison of all hybrids. The top three rankings are hybrids in locations 10 through 14, which may imply a better-producing part of the field or may be due to hybrid performance, or a combination of both field location and hybrid performance. The Check Average yield was nearly 13 bushels/acre less than the Study Average yield, indicating that the check hybrid was not as productive as the other hybrids in the study.

Available online at: <http://www.uky.edu/Ag/GrainCrops/varietytesting.htm>

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