



## 2012 WHEAT VARIETY TRIAL

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### Summary

This test was located near the Hill/Navarro County line on FM 1243 just south of Brandon. Soil moisture conditions throughout the season were adequate as indicated by yields. Ten HRW wheat varieties were evaluated for yield. Billings was numerically the top yielding variety in this test but statistically it was no different than TAM 203, TAM 401, TAM 304 and Greer. The regional test also included SRW wheat varieties, as indicated in the table. Discussion, however, will be limited to HRW wheat varieties. Producers in Hill and McLennan Counties plant 98% or more of their wheat grain production in HRW varieties.

### Objective

To evaluate commercially available HRW varieties grown under Hill/Navarro County conditions in a replicated test.

### Materials and Methods

Wheat varieties were planted in a replicated, randomized complete block. The trial was planted on 11/20/11. Plot size was 10 ft. X 30 ft. Soil moisture conditions were adequate during the growing season. Rainfall totals per month in Hillsboro (KHBR radio station weather data) indicated the following: November - 2.04, December - 4.23, January - 5.47, February - 2.81, March - 5.96, April - 3.32. Seeding rate was 50 lbs/A. The plots were machine harvested using a Massey Ferguson 8XP plot combine on 5/18/12. The seed was then taken back to the lab and processed using a Scout Pro Ohaus scale and a Dickey John GAC 1500 moisture meter.

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### **Results and Discussion**

Billings was numerically the top yielding variety in this test but statistically it was no different than TAM 203, TAM 401, TAM 304 and Greer. The plot experienced low disease pressure throughout the season and had only a limited impact on yield.

### **Conclusions**

There was no statistical difference in yield between the top five highest yielding varieties in this HRW variety test. Overall yields range from 70.9 to 49.6 bu/A.

### **Acknowledgements**

Thanks to Larry Neil, Ronnie Marak and Phil Pustejovsky for conducting this study. Special thanks to Mr. Daniel Hathcoat for planting, harvesting and data analysis. Appreciation is extended to the seed companies for providing the seed for this test.

Trade names of commercial products used in this report is 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 Texas AgriLife Extension Service and 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.

**Demonstration:** Hill/Navarro Hard and Soft Red Winter Wheat Variety Trial

**Cooperator's Name and Location:** Lanny Neil, Phil Pustejovsky and Ronnie Marak;  
 Daniel Hathcoat, Extension Program Specialist

**Results:**

Entry	Seeding Rate (lbs/ac)	Moisture (%)	Test Weight (lbs/bu)	Yield (bu/ac)
Billings	50	12.08 b	62.03 a	70.9 bcd
Greer	50	11.15 e	55.43 j	62.6 def
Fannin	50	12.48 a	61.53 ab	58.7 fg
Jackpot	50	11.2 e	56.73 i	52.7 gh
TAM 203	50	11.45 de	58.98 def	69.5 bcd
TAM 304	50	11.38 de	58.15 fgh	62.9 def
TAM 401	50	11.48 de	57.83 gh	68.9 b-e
Duster	50	11.18 e	57.4 hi	49.6 h
Coronado	50	11.2 e	59.75 cd	56.4 fgh
Fuller	50	11.18 e	58.9 def	60.6 efg
*TAMsoft 700	50	11.43 de	57.78 gh	67.7 cde
*USG 3555	50	11.68 cd	57.9 gh	76.3 abc
*USG 3251	50	12.05 b	58.4 fg	83.5 a
*USG 3120	50	11.88 bc	59.43 de	70.2 bcd
*Coker 9553	50	12.05 b	60.68 bc	77.4 ab
*Crawford	50	11.6 cd	58.73 efg	67.5 de

Means followed by same letter do not significantly differ (P=.05) Yields are adjusted to the average moisture content of the trial, 12%

\* Varieties with the asterisk are Soft Red Winter Wheat.