

Hessian Fly Variety Test, Gainesville, AL 2012-2013

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Eleven varieties were planted on Nov. 19-20, 2012 in a replicated field trial in Gainesville, AL. Plot size was 17 by 25 ft and there were 8 replications. Plots in three replications were sampled for Hessian fly on April 18. Hessian fly pressure was relatively low. From this test, the varieties Terral TV 8848, Terral TV 8861, and AGS 2035 appeared to be the most resistant to Hessian fly. Most susceptible were Progeny 8780, Progeny 125, and USG 3555. One replication was hand harvested to determine yield.

Variety	Hessian fly infested tillers (%)	Hessian flies* per tiller	Yield /A (13.5% 60 lb./bu)
Terral TV 8848	0.0 c	0.00 b	
Terral TV 8861	0.2 bc	0.00 b	
USG 3251	0.8 abc	0.07 ab	
AGS 2035	1.4 abc	0.01 b	
Croplan 8925	2.2 abc	0.06 ab	
Croplan 8302	3.5 abc	0.07 ab	
Pioneer 26R53	3.7 ab	0.08 ab	
Pioneer 26R87	4.1 ab	0.08 ab	
USG 3555	5.6 a	0.09 ab	
Progeny 870	5.9 a	0.06 ab	
Progeny 125	6.6 a	0.14 a	
F _{10,20}	1.77	1.25	-
Pr > F	0.13	0.32	-

Means within a column followed by the same letter are not significantly different, alpha=0.05, Tukey's LSD.

Percent infested tillers were transformed before analysis using an arcsin(square root) transformation.

*Larvae or puparia