

**Table 28. Hessian Fly Variety Trial at Winnsboro, LA, 2009. Sorted by average yield.**

Variety	Grain Yield			Test Wt		Hessian Fly Incidence		Hessian Fly Count	
	Chem	None	Mean	Chem	None	Chem	None	Chem	None
VAR	bu/acre			lbs/bu		% plants		no / plant	
USG 3295	80.7	69.5	75.1	57.6	58.2	17	80	0.60	6.57
GA981622-5E35	74.4	72.6	73.5	59.7	55.3	0	0	0.00	0.00
AGS 2060	77.3	69.7	73.5	60.0	58.9	0	0	0.00	0.00
MAGNOLIA	69.5	70.3	69.9	56.8	56.9	17	23	1.57	1.00
Coker 9553	64.5	73.9	69.2	56.6	59.3	0	23	0.10	1.00
LA95135	72.1	66.1	69.1	56.8	56.1	17	43	0.77	2.77
USG 3592	72.9	64.0	68.4	59.3	60.0	20	40	0.93	3.17
AGS 2026	70.0	66.4	68.2	57.9	59.8	0	23	0.03	1.00
TERRAL LA841	70.8	64.8	67.8	56.1	58.3	7	43	0.07	1.57
AGS 2020	68.5	66.6	67.6	59.6	56.7	20	50	0.30	2.93
TERRAL LA821	71.5	62.7	67.1	57.9	59.3	7	35	0.90	2.05
DYNA-GRO OGLETHORPE	67.1	65.1	66.1	58.3	57.6	13	47	0.27	3.57
PIONEER 26R61	63.2	68.7	66.0	58.3	58.5	17	20	0.63	1.07
PROGENY 117	75.5	55.4	65.5	59.4	57.5	10	20	0.30	0.37
USG 3555	71.5	57.8	64.7	58.7	57.2	20	47	0.90	2.33
CROPLAN 8302	63.2	61.4	62.3	59.9	57.7	13	67	0.47	4.63
HBK 3443	56.2	67.1	61.7	57.9	59.0	33	57	1.17	5.37
PIONEER XW07B	71.5	51.0	61.3	60.7	57.2	20	40	0.77	4.00
PIONEER 26R87	57.0	65.3	61.1	59.4	56.8	13	20	0.63	1.90
USG 3350	65.8	55.4	60.6	58.4	56.3	37	60	1.93	3.57
DELTA KING DK9108	59.3	58.3	58.8	58.4	56.4	33	70	2.10	4.87
AGS 2031	55.4	59.6	57.5	57.6	59.6	100	53	2.20	4.87
COKER 9700	62.2	51.3	56.7	58.2	56.7	23	47	0.87	3.77
TERRAL LA482	64.0	49.4	56.7	58.4	59.2	10	43	0.47	3.00
AGS 2055	58.3	53.3	55.8	59.9	58.7	10	10	0.57	0.67
DELTA GROW 5200	50.2	49.2	49.7	59.2	57.8	23	57	0.93	3.33
<b>MEAN</b>	<b>66.6</b>	<b>62.1</b>	<b>64.4</b>	<b>58.5</b>	<b>57.9</b>	<b>18.5</b>	<b>39.2</b>	<b>0.75</b>	<b>2.67</b>
<b>LSD (0.10)</b>									

Comparison of Chemical versus No Chemical. \*, ns indicate significant or non-significant differences.

	Grain Yield		Test Wt		Hessian Fly Incidence		Hessian Fly Count	
Cruiser + Karate	66.6	*	58.5	*	18.0	*	0.74	*
No Chemical	62.1		57.9		39.0		2.67	

Significance of Model Effects \*, ns indicate significant or non-significant differences.

	Grain Yield		Test Wt		Hessian Fly Incidence		Hessian Fly Count	
Variety	*		ns		*		*	
Variety x Chemical	ns		ns		ns		ns	

Correlations Among Variables

	Yield		Test Wt	
Hessian Fly Incidence	-0.46	**	ns	
Hessian Fly Incidence	-0.39	**	ns	