

**Table 27. Hessian Fly Variety Trial at Maringouin, LA, 2009. Sorted by average yield.**

Variety VAR	Grain Yield			Test Wt		Hessian Fly Visual Rating				Hessian Fly Count				Leaf Rust	
	Chem	None	Mean	Chem	None	Feb		April		Feb		May		LRC	LRN
						Chem	None	Chem	None	Chem	None	Chem	None		
bu/acre	lbs/bu		0-9				no/plt				%				
AGS 2026	67.3	73.5	70.4	58.4	58.1	0.0	0.3	0.0	0.0	0.00	0.17	0.10	0.10	0	0
DYNA-GRO OGLETHORPE	61.3	67.6	64.5	57.5	57.9	1.0	0.7	0.0	0.0	0.03	0.00	0.93	0.00	1	0
PIONEER XW07B	62.5	53.6	58.0	59.1	57.7	2.7	2.0	1.0	1.0	0.00	0.00	0.03	0.03	1	1
AGS 2060	51.0	44.3	47.7	60.6	60.3	1.0	1.0	0.0	0.0	0.00	0.00	0.83	0.23	0	0
GA981622-5E35	30.6	40.0	35.3	60.4	60.1	1.7	1.3	0.0	1.0	0.03	0.20	0.27	1.93	0	0
MAGNOLIA	36.7	33.8	35.2	58.8	58.3	2.7	4.3	2.7	5.0	0.77	1.13	2.40	2.23	18	12
AGS 2055	37.8	31.1	34.5	53.2	51.4	1.7	3.0	3.3	4.0	0.03	0.00	0.10	0.10	12	7
PIONEER 26R61	27.1	39.1	33.1	60.1	60.6	1.3	2.0	0.0	0.7	0.10	0.13	1.33	0.93	1	0
CROPLAN 8302	28.1	37.5	32.8	54.4	55.4	2.3	2.7	5.3	3.3	0.87	0.43	0.17	0.00	25	17
TERRAL LA821	29.6	30.0	29.8	57.1	56.3	5.0	5.0	4.7	5.7	1.43	0.63	1.30	3.40	0	0
TERRAL LA482	28.7	28.1	28.4	56.4	56.2	5.3	5.0	4.7	4.3	1.20	0.00	2.97	2.57	2	10
AGS 2020	34.6	17.0	25.8	58.8	56.5	5.3	6.7	4.7	6.7	1.03	1.00	2.90	5.40	0	0
DELTA KING DK9108	22.2	22.8	22.5	55.4	54.8	4.0	4.3	5.0	5.7	0.33	0.63	2.17	3.43	7	9
USG 3592	27.6	16.9	22.3	54.2	52.9	4.7	6.0	4.7	5.3	1.43	1.13	4.00	7.43	0	0
HBK 3443	26.2	14.0	20.1	55.4	53.9	4.7	4.7	6.0	7.0	1.23	1.33	3.67	5.03	13	30
COKER 9700	22.3	11.0	16.6	52.0	52.3	5.0	5.7	5.7	6.3	1.90	2.53	2.53	4.70	8	8
LA95135	21.5	10.3	15.9	48.9	48.9	4.3	6.0	6.0	5.7	1.07	1.27	2.63	4.03	0	0
DELTA GROW 5200	22.6	7.7	15.1	54.2	51.5	3.7	5.0	6.0	6.0	1.47	1.67	3.70	5.67	10	12
Coker 9553	14.9	5.5	10.2	52.0	51.9	5.3	6.7	6.0	7.3	1.50	0.73	4.47	5.43	12	12
PIONEER 26R87	11.8	5.9	8.8	47.2	51.1	6.3	7.0	7.0	6.3	1.93	2.97	4.50	7.33	13	8
USG 3295	14.2	3.1	8.7	50.1	50.2	5.7	6.7	6.7	7.0	0.97	2.23	4.07	7.63	1	0
USG 3350	12.4	4.9	8.6	49.2	50.4	4.3	3.7	6.3	6.3	0.97	0.53	2.53	5.33	15	13
TERRAL LA841	10.1	6.4	8.3	54.4	51.7	6.0	6.3	6.3	7.0	1.40	1.87	3.23	4.90	9	12
PROGENY 117	8.4	4.3	6.3	52.4	53.0	6.3	6.0	7.0	7.0	0.83	2.27	4.23	6.60	23	13
AGS 2031	8.2	2.2	5.2	49.4		5.3	7.7	6.7	7.3	1.73	3.13	4.00	9.90	0	0
USG 3555	5.9	2.6	4.2	45.0		5.7	6.0	5.7	7.0	1.93	3.33	4.13	6.23	12	17
<b>MEAN</b>	<b>27.8</b>	<b>23.6</b>	<b>25.7</b>	<b>54.4</b>	<b>54.6</b>	<b>3.9</b>	<b>4.4</b>	<b>4.3</b>	<b>4.7</b>	<b>0.93</b>	<b>1.13</b>	<b>2.43</b>	<b>3.87</b>	<b>7</b>	<b>7</b>
<b>LSD (0.10)</b>			<b>9.5</b>												

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

	Grain Yield			Test Wt		Hessian Fly Visual Rating				Hessian Fly Count				Leaf Rust	
						FEB		APR		FEB		MAY			
Cruiser + Karate	27.8	*		54.6	ns	3.9	*	4.3	*	0.93	ns	2.43	*	7	ns
No Chemical	23.6			55.0		4.4		4.7		1.13		3.87		7	

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

	Grain Yield			Test Wt		Hessian Fly Visual Rating				Hessian Fly Count				Leaf Rust	
						FEB		APR		FEB		APR			
Variety	**			**		**		**		**		**		**	
Variety x Chemical	**			ns		ns		ns		ns		**		*	

Correlations Among Variables

	Yield	VF	VA	HFF
Visual Feb (VF)	-0.86 **			
Visual April (VA)	-0.88 **	0.91 **		
HF Count Feb (HFF)	-0.73 **	0.78 **	0.74 **	
HF Count May (HFM)	-0.81 **	0.84 **	0.77 **	0.80 **