

Table 5. Fusarium reaction and agronomic performance of released varieties in the normal maturity trial across north Louisiana for two years.

Brand / Variety	FHB Reaction	With fung	No Fung	Test Wt	Hd Day	Plt HT	Stripe Rust	Misted FHB Nursery Data			
		Grain Yield						FHB	FDK	DON	SDQ
		bu/a	lbs/bu								
SY VIPER	MR/MS	84.1	78.4	56.0	90.2	37.0	0	2.8	15	9.7	5.0
PROGENY #CHAD	MR/MS	85.4	76.9	53.7	85.1	35.0	0	4.6	17	6.7	3.8
DELTA GROW 1000	MR	78.3	76.2	54.7	96.5	36.5	0	1.4	14	5.0	4.6
AGRIMAXX 473	MR	83.1	76.0	54.6	96.5	38.3	0	1.0	11	3.6	5.1
PROGENY #BULLET	MR	80.1	74.9	55.5	97.6	38.2	0	1.1	14	4.0	4.9
DYNA-GRO 9811	MR	82.7	74.4	55.7	90.5	37.3	0	2.0	18	6.0	4.8
PROGENY #BUSTER	MR/MS	81.4	74.3	56.6	91.0	37.7	0	1.7	16	6.4	4.8
PIONEER 26R59	MS	80.8	73.3	54.2	94.2	34.2	0	2.5	27	8.2	4.0
PIONEER 26R45	MS	82.9	73.3	55.4	96.0	36.7	31	2.5	19	9.1	4.6
AGRIMAXX 492	MR/MS	83.6	73.1	56.8	89.2	36.3	22	4.1	20	8.2	5.3
DELTA GROW 1800	R	77.3	72.9	56.3	85.9	38.3	1	3.3	16	5.6	4.6
SY RICHIE	MR/MS	80.0	72.0	54.4	86.9	36.3	3	3.6	16	6.4	4.8
DYNA-GRO 9002	MR	86.0	71.5	55.2	92.1	37.8	0	2.4	15	3.8	5.1
SY 547	MR	81.3	70.9	55.8	91.4	39.8	2	1.9	14	5.1	4.8
GO WHEAT 6000	MR/MS	76.4	68.4	55.9	86.0	36.3	44	4.5	18	6.4	4.6
AGS 2055	VS	81.2	66.4	54.1	89.7	37.7	5	4.5	34	20.3	3.9
HARVEY AP 1983	S	76.2	66.3	54.4	83.6	35.8	2	6.1	31	13.3	3.0
LIBERTY 5658	R	79.2	65.5	55.6	85.3	34.5	45	2.6	14	5.0	5.4
DYNA-GRO BLANTON	S	78.7	65.0	53.9	82.6	36.7	3	4.4	38	12.4	2.9
USG 3640	MR/MS	79.2	64.9	54.4	84.6	37.8	8	3.9	21	8.3	4.5
AGS 3040	MS	72.7	64.9	54.1	85.2	37.2	39	4.9	24	13.9	4.4
GO WHEAT LA754	MS	74.0	63.7	53.4	83.1	37.3	2	5.4	22	8.9	4.6
DYNA-GRO RIVERLAND	S	77.4	63.2	54.9	82.9	34.5	42	4.6	28	13.7	3.1
DYNA-GRO PLANTATION	MS	73.5	62.2	55.6	82.7	34.7	32	6.0	30	10.4	4.3
AGS 2038	VS	79.9	59.3	56.1	89.6	38.2	0	3.3	32	17.1	3.0
AGRIMAXX 481	MR/MS	76.1	57.7	54.7	83.8	35.5	27	5.1	18	7.1	4.5
MEAN		79.0	69.7	55.2	88.7	36.9	11	3.5	20	8.4	4.4
CV%		8	9	2	2		99	35	56	46	21
LSD(0.10)		7.0	10.1	2.0	4.3		31	1.9	12	6.3	1.2

Bold-Bolded 'Brand/variety' indicates the entry is commercially available; others are non-released breeding lines.

LOD-Lodging score on a scale of 0 = none to 9 = 100% lodged.

Phenotype-Overall visual appeal with a higher score indicating a more attractive plot.

Stripe Rust-Relative score with 0 = none and 9 = severe infection and dieback.

FHB Score-FHB rating on a 0-9 scale with 0 indicating no FHB symptoms on heads.

FDK-FDK is percent Fusarium Damaged Kernels from yield plots and from a misted and inoculated nursery.

DON-DON data is not completed yet. DON is Deoxynivalenol toxin concentration in ppm.

Seed Quality-(SDQ) Relative, visual rating of seed plumpness, uniformity, and visible defects (disease, insect damage, etc.), 0 = poor.

Misted Nursery Inoculated with scabby corn and mist-irrigated to create heavy Fusarium Headblight pressure.