

Table 4. Fusarium Headblight Misted Nursery Data from Alexandria and Winnsboro for Normal Wheat Variety Trials.

BRAND / VARIETY	FHB Index			FHB RATING (0-9)			FDK PERCENT			DON (ppm)		
	2021 FHB REACTION TYPE*	3 YR FHB IND EX*	2YR FHB IND EX*	AX+ WN 2021	MEA N 2yr	MEA N 3yr	AX+ WN 2021	MEA N 2yr	MEA N 3yr	AX+ WN 2021	MEA N 2yr	MEA N 3yr
				Inoc Nurs	Inoc Nurs	Inoc Nurs	Inoc Nurs	Inoc Nurs	Inoc Nurs	Inoc Nurs	Inoc Nurs	Inoc Nurs
LIBERTY 5658	R	5.9	6.6	2.8	2.6	2.9	24	14	14	5	5	5
DELTA GROW 1800	R	6.5	7.6	1.7	3.3	3.4	26	16	16	6	6	5
PROGENY #BULLET	MR	6.9	4.9	1.7	1.1	2.0	26	14	21	5	4	6
DYNA-GRO 9002	MR	7.0	5.8	3.3	2.4	3.1	29	15	26	6	4	5
SY 547	MR	7.6	6.1	2.3	1.9	2.4	25	14	25	5	5	7
DELTA GROW 1000	MR	8.2	5.7	2.0	1.4	2.1	28	14	25	7	5	8
AGRIMAXX 473	MR	8.2	4.3	1.3	1.0	2.0	25	11	25	5	4	8
SY RICHIE	MR	8.2	8.3	3.8	3.6	4.3	23	16	21	5	6	6
DYNA-GRO 9811	MR	8.6	7.2	1.8	2.0	2.7	30	18	30	6	6	7
PROGENY PGX 19-12	MR		6.7	1.8	1.3		29	15		7	6	
PROGENY #BUSTER	MR/MS	9.4	7.0	2.7	1.7	2.4	29	16	26	6	6	9
AGRIMAXX 492	MR/MS	9.4	10.3	4.0	4.1	4.4	26	20	24	8	8	8
AGRIMAXX 481	MR/MS	9.5	10.2	4.0	5.1	5.7	21	18	22	4	7	7
USG 3640	MR/MS	9.7	10.3	1.7	3.9	4.8	23	21	26	6	8	7
SY VIPER	MR/MS	9.8	9.7	3.8	2.8	3.3	28	15	23	7	10	10
GO WHEAT 6000	MR/MS		9.2	4.3	4.5		29	18		6	6	
PROGENY #CHAD	MR/MS		9.4	3.0	4.6		33	17		9	7	
PIONEER 26R45	MS	9.9	9.6	4.0	2.5	3.0	38	19	27	13	9	10
GO WHEAT LA754	MS	10.4	11.8	4.0	5.4	5.3	23	22	29	8	9	8
PIONEER 26R59	MS	10.8	10.0	3.5	2.5	3.3	50	27	37	10	8	9
DYNA-GRO PLANTATION	MS	12.4	14.2	6.3	6.0	6.4	40	30	34	9	10	9
AGS 3040	MS	12.7	14.8	5.0	4.9	5.3	44	24	28	20	14	12
DYNA-GRO BLANTON	S	13.4	15.1	4.0	4.4	5.3	38	38	43	8	12	11
DYNA-GRO RIVERLAND	S		14.9	4.0	4.6		31	28		9	14	
HARVEY AP 1983	S		16.2	4.8	6.1		38	31		8	13	
AGS 2038	VS	17.5	16.5	2.3	3.3	4.2	33	32	45	8	17	19
AGS 2055	VS	18.9	19.6	5.0	4.5	5.4	45	34	47	13	20	19
MEAN			10.1	3.2	3.5	3.9	30	20	28	7	8	9
CV%				42	35	32	36	56	48	54	46	46
LSD(0.10)				2.3	1.9	1.6	18	12	15	7	6.3	6.9

FHB REACTION TYPE is observed reaction based on FDK and DON for two or more years. Reaction Type: Resistant, Moderately Resistant, Moderately Susceptible, and Susceptible.

FHB INDEX is a numerical rating that is  $10 * (FHB\% \text{ MEAN} + FDK\% \text{ MEAN} + 2 * DON\% \text{ MEAN}) / 4$ . It weighs DON twice because FDK values are much higher than DON and DON determines rejection. It is standardized 2 vs 3 years by using percent of the mean rather than numerical value.

Contains data from misted nurseries at Winnsboro in 2018, 2019, 2020, and 2021.

FHB rating is a 0-9 score of head symptoms, where a 0 indicates no symptoms and a 9 indicates complete head coverage.

FDK is percent Fusarium Damaged Kernels determined by visual inspection and comparison to standards.

DON is parts per million of Deoxynivalenol toxin.