

2018 Fusarium Head Blight Screening Nursery Factsheet

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Fusarium Head Blight (FHB) was the foremost challenge to wheat yields and quality in 2018 and should be an important consideration in making planting decisions for the coming seasons as well. Popular local varieties of wheat were evaluated for FHB reaction under heavy disease pressure in misted nursery conducted at the Beltsville research farm of University of Maryland. To provide the growers with consolidated information for making their planting decisions, we have combined data on statewide yield trials and FHB components: FHB index and DON content in the table below. The entries below have been sorted based on their average DON values. Green cells indicate moderate resistance/ tolerance to FHB, orange cells may be considered moderately susceptible, whereas those highlighted in blue depict highly susceptible varieties.

Entry	Brand	Statewide Yield Results			Fusarium Head Blight	
		Yield Rank	Yield	Test Wt	FHB Index	DON (ppm)
AgriMAXX 463	AgriMAXX	2	79.2	55.4	33.0	12.3
MBX18-A-237	Eddie Mercer Agriservices	57	64.3	56.3	34.6	12.6
MBX17-P-275	Eddie Mercer Agriservices	4	77.7	55.5	24.0	12.9
MAS67	Mid-Atlantic Seeds	9	74.2	55.2	21.3	13.4
AgriMAXX 480	AgriMAXX	39	67.7	57.4	44.9	14.5
DG 9772	Dyna-Gro	19	71.8	55.2	24.1	15.0
USG3228	UniSouth Genetics	3	78.0	55.3	28.0	15.8
FS878	Growmark	7	74.7	55.2	22.7	16.1
FS 875	Growmark	14	72.6	53.0	35.9	16.3
15MW315	University of Maryland	61	62.2	57.4	17.2	16.8
DG 9750	Dyna-Gro	13	73.2	54.8	22.1	17.0
TWS-2616	Tidewater	63	61.5	53.7	39.7	17.4
Momentum 106	Missouri Crop Improvement	34	68.8	56.5	36.1	17.6
USG 3197	UniSouth Genetics	30	69.5	54.5	23.7	18.4
MAS61	Mid-Atlantic Seeds	49	66.0	54.3	30.6	18.6
L11551	Limagrain Cereal Seeds	62	62.1	57.0	17.5	19.0
15MDX19	University of Maryland	58	63.8	56.0	31.8	19.1
USG3118	UniSouth Genetics	65	59.8	55.0	48.8	19.2
Ammo	Limagrain Cereal Seeds	46	66.4	55.4	33.5	19.3

MAS35	Mid-Atlantic Seeds	33	68.9	55.4	21.2	19.8
AgriMAXX 485	AgriMAXX	27	70.2	55.4	41.6	20.0
15MDX20	University of Maryland	55	64.6	56.2	29.7	20.1
MAS86	Mid-Atlantic Seeds	5	77.0	54.2	21.2	20.3
15MDX5	University of Maryland	67	58.6	57.3	39.2	21.0
25R74	Dupont Pioneer	25	70.7	55.4	30.1	21.4
USG3316	UniSouth Genetics	1	80.2	56.0	20.4	21.6
MBX17-M-245	Eddie Mercer Agriservices	24	70.7	54.1	69.5	23.2
MAS88	Mid-Atlantic Seeds	21	71.6	56.0	36.3	23.2
AgriMAXX 444	AgriMAXX	26	70.5	54.4	29.1	23.3
VA12W-68	Viriginia Tech University	40	67.6	53.7	25.0	23.7
SY Viper	Syngenta	23	70.7	54.1	55.6	24.3
USG 3329	UniSouth Genetics	8	74.7	54.6	35.4	24.4
WX17775	Dyna-Gro	6	75.4	52.9	28.2	24.6
FSX 891	Growmark	22	71.2	55.8	33.0	24.8
AgriMAXX 415	AgriMAXX	20	71.8	56.8	40.0	25.2
FSX 892	Growmark	28	70.1	55.2	37.4	25.4
MAS84	Mid-Atlantic Seeds	52	65.2	54.7	55.3	26.4
USG 3429	UniSouth Genetics	48	66.2	56.4	28.5	26.8
MAS316	Mid-Atlantic Seeds	35	68.7	55.7	43.9	27.0
AgriMAXX 474	AgriMAXX	36	68.3	53.6	60.9	27.0
MAS116	Mid-Atlantic Seeds	47	66.3	54.1	34.3	27.2
15MDX18	University of Maryland	53	65.2	56.6	35.3	28.8
USG3895	UniSouth Genetics	37	67.8	52.9	51.6	28.8
TWS-3418	Tidewater	12	73.4	55.6	40.7	28.9
Hilliard	Viriginia Tech University	64	61.0	54.0	47.4	29.0
SRW9606	Croplan	18	71.9	53.7	34.4	29.5
TWS-2818	Tidewater	10	74.0	53.6	40.2	29.7
Luisa	Cover Crop 200	60	63.1	57.0	31.1	29.7
DG 9811	Dyna-Gro	59	63.3	53.5	46.1	30.5
MAS85	Mid-Atlantic Seeds	15	72.4	51.1	34.5	30.5
MAS83	Mid-Atlantic Seeds	56	64.3	53.3	41.6	30.9
MAS65	Mid-Atlantic Seeds	32	69.0	53.7	63.2	31.1
25R25	Dupont Pioneer	11	73.6	54.2	18.8	31.3
MBX14-S-210	Eddie Mercer Agriservices	17	72.1	54.2	29.3	32.1
AgriMAXX 473	AgriMAXX	43	67.4	54.6	38.0	33.1
DG 9701	Dyna-Gro	44	67.2	54.3	37.7	33.5

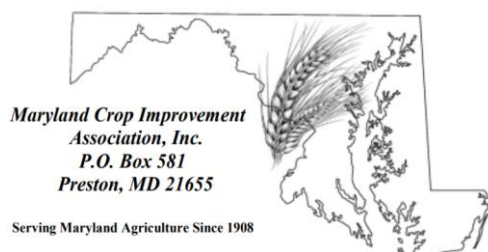
AgriMAXX 486	AgriMAXX	38	67.8	55.3	46.9	33.6
DG 9862	Dyna-Gro	29	70.1	56.3	38.6	36.9
SRW8550	Croplan	51	65.4	54.8	29.9	38.4
SY 100	Syngenta	50	65.8	51.1	52.7	39.7
USG3201	UniSouth Genetics	16	72.1	56.1	34.8	39.8
USG3536	UniSouth Genetics	42	67.5	53.9	36.0	41.7
Sy547	Syngenta	45	66.6	54.4	44.0	41.8
AgriMAXX 446	AgriMAXX	31	69.1	54.8	46.4	46.5
SRW9415	Croplan	41	67.6	54.8	39.9	51.1
DG Shirley	Dyna-Gro	66	58.8	50.8	46.8	51.7
L11719	Limagrain Cereal Seeds	54	65.1	54.7	38.0	52.6

In case of any questions, please contact: Nidhi Rawat <nidhirwt@umd.edu> or Jason Wight <jpwright@umd.edu>

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