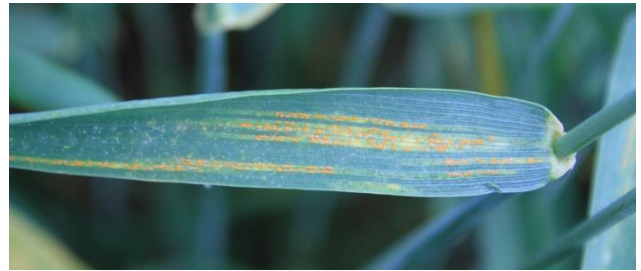


Michigan wheat varieties are exhibiting a significant difference in their response to stripe rust. It is critical that growers are aware of the susceptibility of their varieties and also be prepared to use fungicides where stripe is found. The tables below summarize the timely work of Lee Siler, Andrew Wiersma and Eric Olson of the MSU Wheat Breeding Team in rating varieties and grouping them based on their resistance:



Resistant (R) varieties will not need the help of a fungicide for stripe rust (see table 1);

Moderately Resistant (MR) varieties may need help from a fungicide, especially those varieties having infection levels (second column) above 10 percent (see table 1).

Moderately Susceptible (MS) varieties will likely benefit from a fungicide application where the disease is found (see table 2).

Susceptible (S) varieties are very likely to benefit from the use of a fungicide where the disease is found (see table 2).

Table 1. Varieties resistant and moderately resistant to stripe rust (L.Siler, A Wiersma, E. Olson, 2016)

Variety	Infection Type	% Infection	Class
L 11528	0	2	R
SY 100	1	3	R
AgriMAXX 413	1	1	R
SY 483	1	2	R
DF 105 R	1	2	R
Diener 496W	1	5	R
RS 972	2	4	R
MCIA Venus	2	2	R
Pioneer 25R25	3	5	MR
Pioneer 25R40	3	5	MR
AgriMAXX 438	3	5	MR
Hilliard	3	5	MR
AgriMAXX 444	3	5	MR
DF 112 R	3	5	MR
9552	4	5	MR
LCS 2214	4	6	MR
L-334	4	6	MR
Jupiter	4	16	MR
MCIA Red Devil	4	5	MR
Equity Butler	4	5	MR

MCIA Red Dragon	4	32	MR
9522	5	5	MR
DF 109 R	5	5	MR
W 202	5	11	MR
W 307	5	12	MR
Sunburst	5	14	MR
9242W	5	37	MR

Table 2. Varieties moderately susceptible and susceptible to stripe rust (L.Siler, A Wiersma, E. Olson, 2016)

Variety	Infection Type	% Infection	Class
SC 1335-15	6	10	MS
TW528-003	6	27	MS
RS 910	6	22	MS
Diener 491W	6	28	MS
Pioneer 25R50	6	8	MS
MCIA Whale	6	6	MS
LCS 3677	6	27	MS
MSU 6012	6	7	MS
SC 1315-15	6	14	MS
AC Mountain	6	19	MS
W 204	6	37	MS
W 303	6	14	MS
HS 284R	6	34	MS
L 11418	6	24	MS
Francis	7	21	S
W 206	7	20	S
Hopewell	7	19	S
Aubrey	7	22	S
Shirley	7	47	S
SC 1325-15	7	42	S
L-241	7	19	S
Ambassador	7	39	S
AgriMAXX 454	7	29	S
Red Ruby	7	50	S
W 304	7	23	S
9692	7	18	S
RS 9XP011	7	37	S
Skeet	7	29	S
SC 13S26	7	38	S
Pioneer Brand 25R46	7	38	S
HS 30.06	8	23	S
DF 111 R	8	52	S
9491W	8	82	S