

Ontario Oil and Protein Seed Crop Committee White Mold Test Results

White mold test results should be used as only a general guide in variety selection. Ratings could change with weather and location. Grower's with white mold problems should consider crop rotation with a non-host crop, selection of early varieties, wider row spacing and avoiding heavy applications of manure, in addition to selecting varieties with the lowest plant infection.

Harrow, 2018 White Mold Trials

White mold testing of commercial varieties will be discontinued at Harrow due to inconsistent field conditions required for adequate and timely disease development and infection.

Harrow, 2016, 2017 Trials

Infection did not develop in the field on the majority of test varieties in each year. Disease development was reduced by excessive dry and above average temperatures which may have impacted the development of infective white mold sclerotia. Additional daily misting initiated soon after first flowering to nurture disease development was unable to improve conditions for infection.

Harrow, 2015 Trial

Infection did not develop in the field on (85%) of the test varieties using daily misting initiated soon after first flowering to nurture disease development. Conditions in the field were warm nights during petal senescence with wet to very wet conditions into late summer which may have impacted the development of infective white mold sclerotia.

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White Mold Test Results

Harrow, 2014 Trial

Variety	Relative Maturity	Heat Unit Rating	Infection (%)	Sponsor
NSC Sanford R2Y	0.5	2500	0.0	Seed-link Inc.
5A075RR2	0.8	2750	0.0	Mycogen Canada
Black Pearl	1.5	2750	0.6	Beechwood Agri Services
5A145RR2	2.0	2900	8.1	Mycogen Canada
PS 2082 NR2	2.0	3075	0.7	PRIDE Seeds
5A150RR2	2.1	2850	8.2	Mycogen Canada
OAC Kent	2.1	3050	19.0	SeCan
OAC Brooke	2.2	3050	14.7	SeCan
OAC Marvel	2.2	3000	2.5	Huron Commodities Inc.
PS 2295 LL	2.2	3150	16.1	PRIDE Seeds
OAC Thamesville	2.3	3100	2.5	Southwest Seeds
PS 2393 NR2	2.3	3100	7.6	PRIDE Seeds
HS 24RY05	2.4	3150	21.4	Hyland Seeds
HS 24RYS01	2.4	3150	23.8	Hyland Seeds
5A255RR2	2.5	3200	14.8	Hyland/Mycogen
DF 155	2.5	3150	2.4	AGRIS Co-operative Ltd.
HS 25RYS47	2.5	3400	27.0	Hyland Seeds
31-61RY	2.6	3175	15.5	DEKALB
HS 26RYS16	2.6	3200	25.9	Hyland Seeds
92Y74	2.7	3200	3.9	Pioneer Hi-Bred Ltd.
PS 2797 NR2	2.7	3225	29.1	PRIDE Seeds
32-61RY	2.8	3250	9.4	DEKALB
92Y83	2.8	3225	9.3	Pioneer Hi-Bred Ltd.
PS 2834 NLL	2.8	3250	17.9	PRIDE Seeds
AAC STERN	2.9	3400	13.3	SG Ceresco, Inc.
93Y05	3.0	3275	6.5	Pioneer Hi-Bred Ltd.
P32T83L	3.2	3325	25.6	Pioneer Hi-Bred Ltd.
P33T72R	3.2	3325	28.5	Pioneer Hi-Bred Ltd.
Resistant Check			1.4	
Moderately Susceptible Check			2.0	
Susceptible Check			25.1	
		TEST MEAN	7.4	
		CV	126.1	
		LSD (0.10)	15.4	

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Harrow, 2012 Trial

Variety	Relative Maturity	Heat Unit Rating	Infection (%)	Sponsor
OAC Kent	2.1	3050	1.0	SeCan
OAC Marvel	2.2	3000	1.7	Huron Commodities Inc.
OAC Thamesville	2.3	3100	0.0	Southwest Seeds
S23-T5	2.3	3100	4.6	Syngenta Canada, Inc.
HS 24RYS01	2.4	3150	4.7	Hyland Seeds
DF 155	2.5	3150	2.5	AGRIS Co-operative Ltd.
5A255RR2	2.5	3200	0.0	Mycogen Canada
32-11RY	2.6	3225	4.0	DEKALB
CF61GR	2.6	3200	7.5	Country Farm Seeds Ltd.
HS 26RYS16	2.6	3200	7.1	Hyland Seeds
92Y74	2.7	3200	1.4	Pioneer Hi-Bred Ltd.
CF60GR	2.7	3250	14.8	Country Farm Seeds Ltd.
PS 2797 NR2	2.7	3225	5.9	PRIDE Seeds
92Y83	2.8	3225	10.3	Pioneer Hi-Bred Ltd.
HS 28RYS28	2.8	3250	9.0	Hyland Seeds
93Y05	3.0	3275	8.7	Pioneer Hi-Bred Ltd.
93Y22	3.1	3300	13.5	Pioneer Hi-Bred Ltd.
S31-L7	3.1	3350	15.1	Syngenta Canada, Inc.
Resistant Check			1.4	
Moderately Susceptible Check			22.9	
Susceptible Check			34.1	
		TEST MEAN	8.5	
		CV	92.7	
		LSD (0.10)	7.2	

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Harrow, 2011 Trial

Variety	Relative Maturity	Heat Unit Rating	Infection (%)	Sponsor
OAC Kent	2.1	3050	2.5	SeCan
PS 2295 LL	2.2	3150	30.0	PRIDE Seeds
OAC Marvel	2.2	3000	23.8	Huron Commodities Inc.
S23-T5	2.3	3100	22.5	Syngenta Seeds Canada, Inc.
OAC Thamesville	2.3	3100	0.8	Southwest Seeds
HS 24RYS01	2.4	3150	15.0	Hyland Seeds
HS 24RYS15	2.4	3150	12.3	Hyland Seeds
HS 24RY05	2.4	3150	1.8	Hyland Seeds
DF 155	2.5	3150	2.3	AGRIS Co-operative Ltd.
HS 26RYS16	2.6	3200	35.3	Hyland Seeds
CF61GR	2.6	3200	19.5	Country Farm Seeds Ltd.
32-60RY	2.6	3225	11.8	DEKALB
S26-F9	2.6	3200	3.0	Syngenta Seeds Canada, Inc.
CF60GR	2.7	3250	29.5	Country Farm Seeds Ltd.
PS 2797 NR2	2.7	3225	28.0	PRIDE Seeds
92Y74	2.7	3200	1.5	Pioneer Hi-Bred Ltd.
S28-M1	2.8	3250	28.5	Syngenta Seeds Canada, Inc.
92Y80	2.8	3225	18.3	Pioneer Hi-Bred Ltd.
HS 28RYS28	2.8	3250	13.0	Hyland Seeds
5A255RR2	2.8	3200	9.0	Mycogen Canada
92M91	2.9	3250	13.0	Pioneer Hi-Bred Ltd.
PS 3092 NR2	3.0	3300	38.0	PRIDE Seeds
93Y05	3.0	3275	36.3	Pioneer Hi-Bred Ltd.
S31-L7	3.1	3350	34.5	Syngenta Seeds Canada, Inc.
93Y20	3.2	3325	9.8	Pioneer Hi-Bred Ltd.
		TEST MEAN	16.1	
		CV	95.5	
		LSD (0.10)	14.0	

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Harrow, 2010 Trial

Variety	Relative Maturity	Heat Unit Rating	Tolerance Rating *	Sponsor
OAC Kent	2.1	3050	2.6	SeCan
CF51GR	2.1	3100	3.0	Country Farm Seeds Ltd.
5221RR2Y	2.1	3125	2.6	Country Farm Seeds Ltd.
OAC Marvel	2.2	3000	3.1	Huron Commodities Inc.
PS 2295 LL	2.2	3150	3.0	PRIDE Seeds
PS 2290 NR2	2.2	3175	2.7	PRIDE Seeds
OAC Thamesville	2.3	3100	3.1	Southwest Seeds
S23-T5	2.3	3100	3.1	Syngenta Seeds Canada, Inc.
DF 155	2.5	3150	3.0	AGRIS Co-operative Ltd.
S26-F9	2.6	3200	3.2	Syngenta Seeds Canada, Inc.
CF61GR	2.6	3200	3.1	Country Farm Seeds Ltd.
32-60RY	2.6	3225	3.1	DEKALB Monsanto Canada Inc.
S27-C4	2.7	3200	2.4	Syngenta Seeds Canada, Inc.
PS 2797 NR2	2.7	3225	2.8	PRIDE Seeds
CF60GR	2.7	3250	3.2	Country Farm Seeds Ltd.
92Y80	2.8	3200	2.6	Pioneer Hi-Bred Ltd.
S28-M1	2.8	3250	3.7	Syngenta Seeds Canada, Inc.
92M91	2.9	3250	3.0	Pioneer Hi-Bred Ltd.
93Y20	3.2	3300	2.9	Pioneer Hi-Bred Ltd.
		TEST MEAN	3.0	
		CV	19.1	
		LSD (0.10)	0.5	

*** Tolerance Rating Key:**

- 1 = No sign of infection
- 2 = Petiole aborted (due to infection)
- 3 = Petiole dead, with red lesion on stem (lesion <1cm)
- 4 = Lesion extensive girdling the stem, killing plant above the petiole
- 5 = Infection severe extends below inoculated petiole.