

Ontario Oil and Protein Seed Crop Committee

White Mould Test Results for the Ontario Late Maturity Group 2 (3300-3500 HU) Areas

White mould test results should be used as only a general guide in variety selection. Ratings could change with weather and location. Grower's with white mould 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, 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.

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White Mould Test Results for the Ontario Late Maturity Group 2 (3300-3500 HU) Areas

Harrow, 2009 Trial

Variety	Relative Maturity	Heat Unit Rating	Tolerance Rating *	Sponsor
OAC Kent	2.1	3050	2.8	SeCan
5221RR2Y	2.1	3125	3.2	Country Farm Seeds Ltd.
PS 90 NRR	2.2	3150	4.3	PRIDE Seeds
PS 2290 NR2	2.2	3175	4.5	PRIDE Seeds
RCAT Pinehurst	2.3	3050	4.2	SeCan
S23-T5	2.3	3100	4.4	Syngenta Seeds Canada, Inc.
S25-A5	2.5	3150	4.5	Syngenta Seeds Canada, Inc.
S26-F9	2.6	3200	3.6	Syngenta Seeds Canada, Inc.
S26-P1	2.6	3200	3.8	Syngenta Seeds Canada, Inc.
32-60RY	2.6	3225	4.7	DEKALB Monsanto Canada Inc.
S27-C4	2.7	3200	4.6	Syngenta Seeds Canada, Inc.
CF60GR	2.7	3250	3.9	Country Farm Seeds Ltd.
32-04R	2.8	3200	3.8	DEKALB Monsanto Canada Inc.
92Y80	2.8	3200	3.9	Pioneer Hi-Bred Ltd.
32-52R	2.8	3250	3.3	DEKALB Monsanto Canada Inc.
5N262RR	--	3250	4.2	Mycogen Seeds
92M91	2.9	3250	4.0	Pioneer Hi-Bred Ltd.
93Y20	3.2	3300	4.3	Pioneer Hi-Bred Ltd.
Storm	3.4	3300	3.8	SeCan
		TEST MEAN	4.1	
		CV	15.3	
		LSD (0.10)	0.7	

*** 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.