

White mould ratings for Ontario soybean varieties, 2000

White mould ratings are based on the incidence (%) of infected plants in field trials at 5 locations in Ontario. All varieties were not included in these trials.

Incidence is based on natural infection. Two trials were irrigated.

Results are based on 1 year of data and should be considered preliminary and 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.

Table 1. White mold infection, 2300-2500 HU trial, Ottawa, 2000

Variety	HU Rating	Stems Infected (%)	Sponsor
ALTA	2400	11.7	First Line Seeds
GENTLEMAN	2400	6.7	Semican
CORONA	2450	5.0	Hyland
ACCORD	2450	6.7	Advantage
OAC WALTON	2525	15.0	ProSeed
OAC PRUDENCE	2525	13.4	Secan
OAC NEPEAN	2525	13.3	Secan
MEDALLION	2525	1.7	Semican
ALTESSE	2550	15.0	Secan
HS 2578	2550	0.0	Growmark
AC ORFORD	2550	25.0	Semican
ALBINOS	2575	15.0	Semican
DKB00-99	2650	6.7	Dekalb
CABOT	2650	13.4	First Line Seeds
AC GLENGARRY	2650	6.7	Secan

Mean

10.34

Note: Results from a naturally infested, irrigated site .

Incidence of disease may vary with location and environment

Table 2. White mold infection, 2500-2800 HU trial, Ottawa, 2000

Variety	HU Rating	Stems Infected (%)	Sponsor
PS 32	2500	0.0	Pride
MEDALLION	2525	1.7	Semican
AC PROTEINA	2525	1.6	Semican
ACCORD	2540	1.7	Advantage
S 00-66	2550	1.6	Syngenta
HS 2578	2550	0.0	Growmark
AC ORFORD	2550	1.1	Semican
ALBINOS	2575	1.7	Cerom
PS 36	2600	0.1	Pride
OAC WINGHAM	2625	0.0	Secan
CABOT	2650	10.1	First Line Seeds
KORADA	2650	6.5	First Line Seeds
DKB00-99	2650	1.4	Dekalb
S03-W4	2675	1.5	Syngenta
OAC MILLENNIUM	2675	6.9	Pro-Seed
OAC CLINTON	2675	19.8	Pro-Seed
KG41	2675	5.2	Pride
OAC LUCKNOW	2700	1.6	Secan
PROPHET	2700	3.5	Hyland
SIERRA	2700	5.0	Pro-Seed
OAC BRUSSELS	2700	0.3	Secan
2601R	2700	1.8	First Line Seeds
PS 43	2700	0.0	Pride
AC 2001	2725	1.5	Secan
S04-E1	2725	5.1	Syngenta
PS 46 RR	2725	7.6	Pride
2702R	2725	8.7	First Line Seeds
OAC WOODSTOCK	2750	0.0	Secan
90B73	2750	0.0	Pioneer
OAC BAYFIELD	2750	1.7	Secan
CX066	2750	3.4	Dekalb
PS 55	2750	1.6	Pride
RR ROBUST	2750	0.1	Hyland
ENTERPRISE	2775	3.3	Hyland
OAC EMBRO	2775	0.0	Semican
PRO 270	2775	8.5	Pro-Seed
FIESTA	2775	3.5	Pro-Seed
FLEMING	2775	1.4	First Line Seeds
DKB07-51	2800	4.9	Dekalb
ZEPHYR	2800	5.3	First Line Seeds

Mean

3.24

**Note: Results from a naturally infested, irrigated site .
Incidence of disease may vary with location and environment**

Table 3. White mold infection, 2700-2900 HU trial, St Pauls, 2000

Variety	H.U.Rating	Stems infected (%)	Sponsor
OAC Bayfield	2750	1.3	OOPSCC
S 09-Y9	2750	0.0	Syngenta
90B73	2750	0.4	Pioneer Hi-bred
Fiesta	2775	0.0	Pro Seeds
OAC Oxford	2800	0.3	SeCan
PRO 282	2800	1.7	C & M Seeds
Humber	2825	0.0	First Line
S10-F2	2825	0.0	Syngenta
S 08-80	2825	0.3	Syngenta
OAC Stratford	2825	23.4	PRO Seeds
OAC Exeter	2825	6.3	First Line
RCAT Bobcat	2850	0.0	SeCan
PRO 292	2875	0.6	PRO Seeds
PS66RR	2900	0.0	Pride
HS2988	2900	4.3	GROWMARK
PS73	2900	2.6	Pride
DKB13-51	2925	3.7	Dekalb
9163	2925	0.6	Pioneer Hi-bred
Crystal	2925	1.4	Hyland
S14-M7	2950	2.9	Syngenta
PRO 295	2975	2.1	PRO Seeds
91B53	2975	0.3	Pioneer Hi-bred
91B52	2975	0.6	Pioneer Hi-bred
2901R	2975	3.0	First Line
5155	2975	1.9	Mycogen Canada
Crusher	3000	0.0	SeCan
91B64	3000	3.7	Pioneer Hi-bred

Mean

2.27

**Note: Results from a naturally infested, non-irrigated site .
Incidence of disease may vary with location and environment**

Table 4. White mold infection, 2900-3300 HU trial, Talbotville, 2000

Variety	H.U.Rating	Stems infected (%)	Sponsor
ADV 0990F	2900	5.6	Advantage Seeds
9163	2925	1.6	Pioneer Hi-bred
HS3078	2975	18.0	GROWMARK
Crusher	3000	0.0	SeCan
S19-90	3000	0.0	Syngenta
OAC Bright	3000	1.0	First Line
PRO 292	3000	1.0	PRO Seeds
Stine 2500	3000	2.1	Advantage Seeds
Sapphire	3000	2.7	SeCan
S18-11	3000	6.7	Syngenta
92B05	3000	23.7	Pioneer Hi-bred
HS 2909	3000	24.7	GROWMARK
AG 1901	3025	0.1	First Line
A2161	3025	2.9	DowAgroSciences
HS 3168	3025	3.4	GROWMARK
Westag 97	3025	4.6	SeCan
PS 84SCN	3025	15.4	Pride
PS 86RR	3050	0.9	Pride
S19-T9	3050	1.0	Syngenta
Tornado	3050	1.6	Hyland Seeds
S20-F8	3050	7.1	Syngenta
DKB 20-84	3050	9.6	Dekalb
200	3050	9.6	Mycogen Canada
Bailey	3050	10.3	Hyland Seeds
DKB 20-10	3050	10.4	Dekalb
A2069	3050	12.3	First Line
AG 2101	3050	12.7	First Line
OAC Glencoe	3075	0.1	SeCan
92B25	3075	1.4	Pioneer Hi-bred
PS 83	3075	2.3	Pride
Ivory	3075	3.3	First Line
CK-01	3075	3.1	Shanks Seeds
RS2297C	3075	3.6	Renk Seed
S20-Z5	3075	8.3	Syngenta
HS3009	3075	9.0	GROWMARK
RCAT Legacy	3075	13.6	SeCan
CX 232	3075	18.1	Dekalb
DKB 22-80	3100	2.6	Dekalb
RR Renown	3100	3.1	Hyland Seeds
Kenwood 94	3100	4.9	SeCan
S24-12	3100	8.1	Syngenta
S23-Q3	3100	11.0	Syngenta
92B61	3125	1.4	Pioneer Hi-bred
PRO 315	3125	1.7	PRO Seeds
J-251	3125	6.0	Mycogen Canada
HS 3109	3125	8.4	GROWMARK
RS2595	3125	12.1	Renk Seed
CX235C	3150	2.9	Dekalb
2000 STS	3150	24.0	Inwood Seeds
92B35	3150	28.3	Pioneer Hi-bred
Stine 2686	3175	9.0	Advantage Seeds
RCAT Staples	3175	12.0	SeCan
5261	3200	6.9	Mycogen Canada
DKB 23-51	3200	13.7	Dekalb

Mean 7.56

**Note: Results from a naturally infested, non-irrigated site .
Incidence of disease may vary with location and environment**

Table 5. White mold infection, 3300-3500 HU trial, Malden, 2000

Variety	H.U.Rating	Stems infected (%)	Sponsor
S19-90	3000	5.1	Syngenta Seeds Ltd
IA1008	3075	8.1	SeCan Members
Stratus	3075	13.9	Hyland Seeds
CX 232	3075	46.4	Dekalb Seeds
RCAT Legacy	3075	37.9	SeCan Members
S24-L2	3100	13.4	Syngenta Seeds Ltd
S24-12	3100	24.5	Syngenta Seeds Ltd
Kenwood 94	3100	40.1	SeCan Members
Wizard	3125	50.4	First Line Seeds Ltd.
92B61	3125	29.7	Pioneer Hi-Bred Ltd
Elgin 87	3125	49.1	Mod. Susc. Control
92B71	3150	34.4	Pioneer Hi-Bred Ltd
S24-K4	3150	39.3	Syngenta Seeds Ltd
CX235c	3150	46.4	Dekalb Seeds
Starburst	3150	42.5	Hyland Seeds
RR Renwick	3150	13.8	Hyland Seeds
RCAT Columbus	3175	25.7	Ferguson Seeds
RCAT Staples	3175	42.1	SeCan Members
Nemecys 26R	3200	45.0	First Line Seeds Ltd.
9305	3225	22.3	Pioneer Hi-Bred Ltd
S28-V8	3225	56.7	Syngenta Seeds Ltd
S29-C9	3225	58.7	Syngenta Seeds Ltd
DKB 26-51	3225	61.8	Dekalb Seeds
AV 2261	3225	72.7	Miehis Seeds Inc
DKB26-52	3225	78.1	Dekalb Seeds
AG2703	3225	80.4	First Line Seeds Ltd.
Williams	Early MG 3	65.6	Susceptible Control

Mean **40.89**

**Note: Results from a naturally infested, non-irrigated site .
Incidence of disease may vary with location and environment**