Fusarium Head Blight Reaction of Cereal Varieties For Alberta

Based on Varieties of Cereal and Oilseed Crops For Alberta - 2015, AARD Agdex 100/32

T.K. Turkington [1], and K. Xi [2]

[1] Agriculture and Agri-Food Canada Lacombe, AB; [2] Alberta Agriculture and Rural Development (AARD), Lacombe, AB

*Fusarium Head Blight Reaction**

Resistant (R)	Moderately resistant (MR)	Intermediate (I)
Moderately susceptibe (MS)	Susceptible (S)	

Wheat, Triticale, and Oat

CWRS

5602HR	MR
5605 HR CL	MR
AAC Brandon	MR
Carberry	MR
Cardale	MR
CDC VR Morris	MR
CDC Plentiful	MR
CDC Titanium VB	MR
Coleman	MR
SY433	MR
Waskada	MR
WR859 CL	MR
5603HR	I
5604HR CL	I
AAC Bailey	I
AAC Elie	I
AAC Redwater	I
AC Barrie	I
CDC Kernen	I
Fieldstar VB	I
Glenn	I
Kane	I
Katepwa	I
McKenzie	I
Thorsby	I
Vesper VB	I
AC Elsa	MS
AC Intrepid	MS
AC Splendor	MS
Alvena	MS
CDC Go	MS
CDC Stanley	MS
CDC Thrive	MS
CDC Utmost VB	MS
Muchmore	MS
Shaw VB	MS
Stettler	MS
Superb	MS
Unity VB	MS
CDC Abound	S
CDC Imagine	S
CDC Osler	S
Goodeve VB	S
Harvest	S
Infinity	S
Lillian	S
Park	S
Peace	S
AC Eatonia	XX

CPS Red

AAC Penhold	MR
AAC Foray VB	I
SY985	I
5700PR	MS
5702PR	MS
AAC Ryley	MS
Conquer VB	MS
SY995	MS
5701PR	S
AC Crystal	S
AC Foremost	S
Enchant VB	S

CWGP

AAC Proclaim	MR
SY087	MR
AAC NRG097	I
Pasteur	I
Minnedosa	MS
NRG010	MS
CDC NRG003	S

CWWS

AAC Iceberg	I
CDC Whitewood	I
Snowbird	I
Whitehawk	I
Snowstar	MS

CWAD

AAC Current	MS
AAC Marchwell VB	MS
AC Avonlea	MS
Brigade	MS
CDC Fortitude	MS
CDC Verona	MS
Enterprise	MS
Eurostar	MS
Transcend	MS
AAC Raymore	S
AC Navigator	S
CDC Desire	S
CDC Vivid	S
Strongfield	S

SWS

AC Andrew	I
AAC Chiffon	S
AC Meena	S
Sadash	S

Winter wheat (WW)

Emerson	R
CDC Buteo	MR
AAC Gateway	I
AC Bellatrix	I
AC Tempest	I
CDC Ptarmigan	I
Peregrine	I
CDC Chase	MS
CDC Osprey	MS
Accipiter	S
Broadview	S
CDC Falcon	S
Flourish	S
Moats	S
Pintail	S
Radiant	S
Sunrise	XX
Swainson	XX

Triticale

Pronghorn	MR
AC Ultima	I
Brevis	I
Bunker	I
Bumper	MS
Sunray	MS
Tyndal	MS
Taza	S

Barley (row type)

General purpose

Conlon (2)	MR
CDC Cowboy (2)	MR
CDC Dolly (2)	MR
Seebe (2)	MR
Xena (2)	MR
Brahma (2)	I
Busby (2)	I
Canmore (2)	I
CDC Austenson (2)	I
CDC Coalition (2)	I
CDC Maverick (2)	I
CDC Trey (2)	I
Champion (2)	I
Gadsby (2)	I
Ponoka (2)	I
Trochu (6)	I
AC Harper (6)	MS
AC Ranger (6)	S
AC Rosser (6)	S
Amisk (6)	S
Breton (6)	S
CDC Bold (2)	S
Chigwell (6)	S
Muskwa (6)	S
Sundre (6)	S
Vivar (6)	S

Hulless

CDC Clear (2)	MR
CDC McGwire (2)	MR
CDC Carter (2)	I
Tyto (6)	MS

Malting

CDC PolarStar (2)	MR
Harrington (2)	MR
AC Metcalfe (2)	I
CDC Anderson (6)	I
CDC Copeland (2)	I
CDC Kindersley (2)	I
CDC Meredith (2)	I
Cerveza (2)	I
Major (2)	I
Newdale (2)	I
AAC Synergy (2)	MS
Bentley (2)	MS
CDC Mayfair (6)	MS
Legacy (6)	MS
Merit 57 (2)	MS
Tradition (6)	S

Oat

All varieties	XX

**XX = insufficient data to describe.

**Relative reactions of small grain cereals*

Most susceptible ⟷ **Least susceptible**

Durum--SWS--CPS--WW--ES--CWRS--Triticale--6-row barley--2-row barley--Oat

*Under conditions favourable for disease all small grain cereals will sustain damage.
Ratings are largely based on data from screening nurseries in Manitoba.
Winter wheat may avoid significant FHB because it matures earlier than spring types.