



## AB TOFIELD

### Six-row general purpose barley

- High grain yield with stability across Western Canada
- Very good lodging resistance
- High forage yield combined with good forage quality

### Strengths of AB Tofield

- Grain yield is 108% of AC Ranger and Vivar in the Six-Row Coop, and 107% of CDC Austenson in the Forage Coop.
- Forage yield is 106% of AC Ranger and 103% of CDC Austenson.
- Percent plump seed is higher than AC Ranger.
- Test weight is higher than all of the feed checks (AC Ranger, Vivar and Amisk).
- Lodging resistance is better than all checks in the Six-row Coop and better than Gadsby in the Forage Coop.
- Carrying capacity is higher than AC Ranger, CDC Austenson and Vivar in the Forage Coop.
- Resistant or moderately resistant to stem rust and the surface-borne smuts.
- Intermediate disease resistance to loose smut, scald, spot blotch, and spot form net blotch.

AB Tofield was developed by Western Crop Innovations and is available through [SeCan](#).

**Table 1.** Yield and agronomic traits of AB Tofield averaged over the 2017 and 2018 Western Cooperative Six-Row Barley Registration Trials.

Entry	Yield kg/ha	AC Ranger %	Heading days	Height cm	Lodging 1-9	Maturity days	Kernel Wt mg	Test Wt g/hL	Plump >6/64 %
AC Ranger	6754	100	53.7	78.9	3.7	90.0	43.5	62.4	83.9
Vivar	6753	100	54.9	74.2	3.4	89.2	44.6	62.1	86.2
CDC Mayfair	6242	92	53.3	78.9	3.8	88.0	40.6	62.0	91.2
Celebration	6287	93	52.6	80.9	3.5	86.1	38.9	63.0	89.9
Amisk	6641	98	54.4	73.9	3.6	88.9	43.1	60.8	93.3
AB Tofield	7310	108	55.8	80.0	2.4	91.0	42.4	63.6	85.0
Mean	6464		54.1	78.0	3.6	88.7	42.9	62.4	88.4
Station Years	31		28	30	8	27	27	26	28

**Table 2.** Forage data for AB Tofield averaged over the 2017 and 2018 Western Cooperative Forage Barley Test.

Entry	Grain Yield kg/ha	AC Ranger %	DM Yield kg/ha	AC Ranger %	CP %	NDF %	ADF %	IVTD %	Starch %	CC Cow d/ha	ADG kg/ha	NDF 30 %
AC Ranger	7506	100	12407	100	9.2	43.6	25.4	75.2	19.4	625	0.69	42.9
CDC Austenson	7606	101	12805	103	8.6	43.0	25.0	75.1	18.4	645	0.71	41.9
CDC Cowboy	6416	85	13321	107	8.0	44.6	27.0	73.5	17.5	690	0.63	40.3
Gadsby	7081	94	13256	107	8.3	43.5	26.1	74.8	18.1	680	0.66	41.7
Vivar	7388	98	12531	101	8.7	44.1	26.5	74.6	18.2	639	0.64	42.2
AB Tofield	8109	108	13176	106	8.6	44.5	25.8	74.2	18.2	668	0.67	41.7
Station Years	11		14		14	14	14	14	14	14	14	14

CP – crude protein; NDF - neutral detergent fiber; ADF - acid detergent fiber; IVTD - in vitro true digestibility; CC – carrying capacity; ADG – average daily gain; NDF 30 – percentage of NDF that is digestible at 30h incubation period.

**Table 3.** Overall disease ratings of AB Tofield averaged over the 2017 and 2018 Western Cooperative Six-row Barley Registration Trials.

Entry	Net Blotch		Scald	Spot Blotch	Stem Rust	FHB	DON <sup>†</sup> (ppm)
	Net Form	Spot Form					
AC Ranger	I	I	S	MR	R	S	45.6
Vivar	I	MS	I	I	MR	S	65.9
CDC Mayfair	MS	I	S	I	I	MS	39.6
Celebration	I	I	MS	I	I	MS	25.2
Amisk	I	I	I	MR	I	S	49.0
AB Tofield	MS	I	I	I	R	S	83.2

R – resistant, MR- moderately resistant, I – intermediate resistance, MS – moderately susceptible, S – susceptible; † DON averaged over 4 sites.