

AB Cattlelac

Six-row general purpose barley



Forage yield is 8% higher than Vivar

Higher test weight than checks

Resistant to surface borne and loose smuts

Strengths of AB Cattlelac:

- **Grain yield** similar to AC Ranger and Vivar
- Forage yield is 8% higher than Vivar and 5% higher than AC Ranger
- Higher percent plumps than AC Ranger
- **Higher test weight** than checks
- **Lodging resistance** better than AC Ranger
- **Resistant** to the surface-borne smuts
- **Moderately resistant** to spot blotch and spotted net-blotch
- **Intermediate resistance** to scald, stem rust and loose smut

AB Cattlelac was developed by the Field Crop Development Centre.

Table 1. Yield and agronomic traits of AB Cattlelac in the 2014 and 2015 Western Coop Six-Row Barley Trials.

Entry	Yield kg/ha	AC		Height cm	Lodging 1-9	1000K Wt g	Test Wt g/hL	Plumps %	Thins %	Visual Score 1-9
		Ranger %	Maturity days							
AC Ranger	6730	100	89.6	80.4	4.9	44.1	63.2	85.0	1.6	5.5
Vivar	6726	100	88.9	75.0	3.7	43.9	63.0	87.4	1.8	5.3
CDC Mayfair	6196	92	86.5	82.0	4.8	40.2	62.3	92.9	1.3	5.0
Celebration	6254	93	85.9	82.3	4.2	38.9	63.9	92.5	1.0	5.9
AB Cattlelac	6606	98	88.5	87.6	3.6	42.3	65.2	88.8	1.4	6.1
Mean	6552		88.0	84.3	4.3	42.4	63.7	90.2	1.4	5.6
LSD0.05	240		0.8	1.5	0.9	0.8	0.7	2.2	0.8	0.8
Stn. Yrs.	32		25	34	15	28	32	24	12	10

Table 2. Forage data for AB Cattlelac from the 2014 and 2015 Western Coop Forage Barley Trials.

Entry	DM Yld (kg/ha)	Heading (days)	Lodging (1-9)	Visual Score (1-9)	CP (%)	NDF (%)	ADF (%)	IVTD (%)	CWD (%)	Starch (%)
CDC Austenson	12139	56.7	3.3	6.4	8.6	50.2	31.2	69.8	39.8	19.6
Gadsby	11334	58.1	4.2	5.7	8.8	50.7	31.7	69.8	40.2	18.2
Vivar	11224	53.9	2.5	7.0	8.7	51.2	32.2	67.7	36.7	19.2
AB Cattlelac	12185	53.2	3.1	7.2	9.0	50.9	32.7	67.6	36.2	17.7
LSD0.05	510.4	0.84	0.86	0.71	0.67	1.71	1.34	1.62	1.48	1.65
Stn. Yrs.	14	9	4	5	11	11	11	11	11	10

CP = crude protein, NDF = neutral detergent fibre, ADF = acid detergent fibre, IVTD = *in vitro* true digestibility, CWD = cell wall digestibility.

Table 3. Disease ratings from the 2016 Western Cooperative Six-Row Barley Disease Reaction Report.

Entry	Net Blotch		Scald	Spot blotch	Smut		Stem rust	Fusarium Head	
	Net form	Spot form			Loose	Surface		Blight	
AC Ranger	I	MR	I	MR	MS	R	MR	S	
Vivar	MS	MR	MS	MR	I	R	MR	S	
AB Cattlelac	MS	MR	I	MR	I	R	I	S	
Celebration	I	MR	MS	MR	MR	R	MS	I	
CDC Mayfair	MS	MR	S	I	MR	R	MS	I	

R - resistant, MR - moderately resistant, I - intermediate, MS - moderately susceptible, S - susceptible.