



AB BRONCO

Winter triticale

- Reduced awn, suitable for forage and feed
- Higher forage digestibility than all triticale checks
- Winter survival exceeds all winter triticale checks

Strengths of AB Bronco

- High grain yield, 117% of Bobcat and 106% of Metzger.
- Winter survival is higher than all checks.
- Maturity is earlier than all checks, and three days earlier than Luoma.
- Ergot resistance is higher than Metzger and Bobcat.
- Better forage digestibility than Metzger, Bobcat and Luoma.

AB Bronco was developed by Western Crop Innovations and is available through Corns Seeds.

Table 1. Grain yield and agronomic performance of AB Bronco in the 2016 – 2018 Western Winter Triticale Cooperative Registration Trials.

Entry	Yield (kg/ha)					Agronomic Data					
	2016	2017	2018	Mean	Metzger %	Mat. days	Height cm	Surv. %	Lodg. 1-9	Test Wt g/hL	Kernel Wt mg
Metzger	5453	4758	4136	4782	100	210	110	91	3.2	70.6	37.0
Bobcat	4533	4781	3687	4334	91	210	94	76	2.5	67.6	36.5
Luoma	5715	5286	4707	5236	109	212	116	92	3.4	70.0	38.6
Hazlet (fall rye)	6297	6838	4590	5908	124	210	99	92	2.3	73.7	38.3
Pintail (w. wheat)	5745	5873	5003	5540	116	208	82	93	2.4	77.1	30.8
AB Bronco	5752	5240	4160	5051	106	209	105	93	4.0	68.0	36.9
Mean	5582	5463	4380	5142		210	101	90	3.0	71.2	36.4
CV	16.0	12.0	13.9	10.8		1.1	6.0	13.3	10.7	5.5	13.3
LSD _{0.05}	500	1600	751	188		0.7	1.8	3.7	0.24	2	2.6
Site - Years	10	11	6	27		27	25	22	19	27	27

Mat. - maturity; surv. – survival; lodg. – lodging, 1-9, where 9 is up to 100% lodged.

Table 2. Dry matter yield and forage quality data of AB Bronco in the 2016-2017 Western Winter Triticale Cooperative Registration Trials.

Entry	Dry Matter Yield (kg/ha)				Forage Quality Data				
	2016	2017	Mean	Metzger %	Protein %	ADF %	NDF %	IVFD 30 %	Lignin %
Metzger	20079	16938	18509	100	11.4	32.5	51.1	43.0	4.7
Bobcat	15927	13670	14798	80	13.0	30.2	48.7	43.1	4.5
Luoma	17975	16601	17288	93	11.9	31.7	49.8	42.5	4.5
Hazlet (fall rye)	16802	15995	16399	89	11.9	29.1	46.9	38.9	4.3
Pintail (w. wheat)	16032	14492	15262	82	12.2	29.5	47.8	45.8	4.4
AB Bronco	18657	15633	17145	93	12.7	29.2	46.6	45.1	4.4
Mean	17579	15555	16567		12.2	30.4	48.5	43.1	4.5
CV	11.3	13	6.1		4.5	2.9	2.6	4.2	2.4
LSD _{0.05}	2389	3400	1554.5		1.2	2.0	2.7	4.1	0.2
Site - Years	2	2	4		4	4	4	4	4

ADF - acid detergent fibre; NDF - neutral detergent fibre; IVFD 30 - in-vitro fibre digestibility after 30 hours. Forage quality data using NIRS at FCDC and AAFC in Lacombe.

Table 3. Overall disease ratings of AB Bronco in the 2016 – 2018 Western Winter Triticale Cooperative Registration Trials.

Entry	Leaf Spot 1-9	Tan Spot 1-9	Septoria 1-9	Powdery Mildew 1-9	Fusarium Head Blight 1-9	Ergot %
Metzger	3.2	2.0	1.0	1.1	1.3	0.05
Bobcat	1.7	2.0	2.3	1.3	1.7	0.55
Luoma	1.5	2.3	1.0	1.1	1.0	0.04
Hazlet (fall rye)	1.7	1.0	1.3	1.5	1.7	0.67
Pintail (w. wheat)	1.7	1.5	1.0	2.6	4.0	0.01
AB Bronco	1.8	1.8	1.3	1.0	2.0	0.04
Site - Years	2	3	1	4	1	22

Diseases rated on 1-9 scale where 1 = resistant and 9 = highly susceptible.