

AB Provider

Winter triticale



Reduced awn, suitable for forage and feed

Superior dry matter yield, 127% of Bobcat

Winter survival exceeds all winter triticale and winter wheat checks

Strengths of AB Provider

- Superior dry matter yield is 127% of Bobcat and 105% of Luoma and Metzger.
- Grain yield is 123% of Bobcat, 112% of Metzger, and 102% of Luoma.
- Winter survival 95% is better than all winter triticale and winter wheat checks.
- Forage protein content is 12.5% higher than Metzger and Luoma, similar to Bobcat.
- Higher protein and digestibility than all winter triticale checks.
- Maturity is two days earlier than Luoma and similar to Metzger and Bobcat.
- Lodging resistant, shorter than Metzger and Luoma, taller than Bobcat.

AB Provider was developed by the Field Crop Development Centre at Olds College and is marketed by Corns Brothers farm.

Table 1. Grain yield and agronomic performance of AB Provider 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 g
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 provider	5785	5469	4766	5340	112	210	99	95	2.2	68.2	33.3
Mean	5588	5501	4481	5190		210	100	90	3	71	36
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	187.7		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.

Table 2. Dry matter yield and forage quality data of AB Provider in the 2016-2018 Western Winter Triticale Cooperative Registration Trials.

Entry	Dry matter yield kg/ha					Forage quality data				
	2016	2017	2018	Mean	Metzger %	Protein %	ADF %	NDF %	IVFD-30 %	Lignin ² %
Metzger	20079	16938	16704	17907	100	10.8	31.6	50.2	42.2	4.7
Bobcat	15927	13670	14691	14763	82	12.4	29.3	47.7	42.6	4.5
Luoma	17975	16601	19323	17966	100	10.8	31.8	50.0	41.3	4.5
Hazlet (fall rye)	16802	15995	16069	16289	91	11.3	29.2	46.4	39.1	4.3
Pintail (w. wheat)	16032	14492	16215	15580	87	12.1	30.0	48.8	45.6	4.4
AB Provider	20252	17726	18443	18807	105	12.5	30.6	49.8	47.2	4.5
Mean	17845	15904	16908	16885		11.6	30.4	48.8	43.0	4.4
CV	11.3	13	11	6.3		4.9	3.8	3.2	3.9	2.4
LSD 0.05	2400	3400	2730	962.7		0.5	1.0	1.4	1.3	0.2
Site-Years	2	2	1	5		5	5	5	5	4

ADF - acid detergent fibre; NDF - neutral detergent fibre; IVFD - in-vitro fibre digestibility (30 hour). ² Lignin data is from 2016 -2017 only. Forage quality data using NIRS at FCDC and AAFC in Lacombe.

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

Entry	Leaf Spot 1-9	Tan Spot 1-9	Septoria a 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 Provider	2.0	1.5	1.3	1.1	1.7	0.04
Mean	1.9	1.7	1.3	1.4	1.9	0.15
Site-Years	2	3	1	4	1	22