



AB SUNBEAM

Spring triticale

- Higher yielding than checks
- Exhibits excellent standability
- Early maturity

Strengths of AB Sunbeam

- High grain yield, 110% of Pronghorn and 106% of Brevis.
- Dry matter yield is 105% of Taza, similar to Pronghorn.
- Test weight is higher than Pronghorn and AC Ultima, similar to Brevis.
- Maturity is three days earlier than Brevis and one day earlier than Pronghorn.
- Lodging resistant, it is shorter than Pronghorn but taller than Brevis.
- High resistance to ergot, better than AC Ultima and Pronghorn checks.
- Intermediate resistance to FHB

T301 was developed by Western Crop Innovations and is available through [SeedNet](#).

Table 1. Grain yield and agronomic traits performance of AB Sunbeam compared to check cultivars based on the 2020-2022 Western Triticale Cooperative Tests.

Entry	Yield kg/ha				Agronomic Data						
	2021	2022	2023	Mean	Heading days	Maturity days	Height cm	Lodging 1-9	Test Wt kg/hL	Kernel Wt mg	
AB Sunbeam	7004	3942	5629	5525	56	96	91	1.1	73.5	44.5	
Brevis	6681	3407	5535	5208	57	99	87	1.0	74.4	44.1	
Pronghorn	6657	2765	5701	5041	56	97	100	1.7	69.6	44.7	
AC Ultima	6226	3089	5767	5041	56	96	96	1.5	71.2	46.7	
AC Andrew	6344	3596	5884	5275	61	96	80	1.3	77.4	37.5	
CV	8.2	12.2	6.6	10.1	1.3	1.4	4.1	35.9	-	-	
LSD _{0.05}	298	262	425	145	0.3	0.4	1.1	0.2	-	-	
Site - Years	9	6	10	25	5	24	25	7	22	22	

Lodging scale 1-9, where 9 is up to 100% lodged.

Table 2. Mean dry matter yield and forage quality data averages for AB Sunbeam compared to checks based on 2021-2022 Spring Triticale Forage Cooperative Tests.

Entry	DMY kg/ha	% Pronghorn	Forage Quality Data					
			ADF %	NDF %	TDN %	INVTD %	CP %	STRC %
AB Sunbeam	10586	99	29.9	50.9	60.9	69.9	9.1	11.2
Brevis	11042	103	29.8	49.0	62.4	71.5	9.5	13.0
Pronghorn	10692	100	30.5	48.6	60.4	71.4	9.7	11.7
Bunker	9046	85	32.1	49.9	60.4	669.7	9.8	9.7
AC Ultima	10455	98	30.8	50.3	60.0	70.5	9.1	11.2
Taza	10067	94	31.5	51.9	60.6	68.1	9.3	9.0
CV	11.2							
LSD _{0.05}	906.4							
Site - Years	4		4	4	2	4	4	4

ADF= Acid Detergent Fiber, NDF= Neutral Detergent Fiber, TDN= Total Digestible Nutrients, INVTD= In Vitro True Digestibility, CP = Crude Protein content, STRC= Starch content.

Table 3. Disease reactions of AB Sunbeam compared to check cultivars based on the 2020-2022 Western Triticale Cooperative Tests.

Entry	Leaf Rust	^y Stem Rust	^{yz} Stripe Rust	^z Bunt	Ergot %	FHB
AB Sunbeam	MR	R	R	R	0.19	I
Pronghorn	R	MS-S	R	R	0.48	MR
Brevis	R	R	R	R	0.20	MR
AC Ultima	R	R	R	R	0.33	MS

^yDue to severe drought, 2021 stripe and stem rust nurseries were not successful; ^zDue to covid-19 restrictions at AAFC-Lethbridge, stripe rust and bunt nurseries were not planted in 2020.

R= Resistant, MR= Moderate Resistant, I= Intermediate, MS= Moderate Susceptible and, S= Susceptible; FHB – fusarium head blight.