



T301

Spring triticale

- Reduced awn, suitable for feed & forage use
- Excellent standability
- Resistant to leaf, stem, and yellow rusts, common blunt, moderate resistance to FHB

Strengths of T301

- High grain yield, 108% of Pronghorn and 106% of Brevis.
- Dry matter yield is 108 % higher than Bunker, similar to Pronghorn.
- Test weight is higher than all triticale checks.
- Kernel size is larger than all checks.
- Lodging resistant, shorter than Pronghorn but taller than Brevis.
- High resistance to ergot, better than all checks.
- Moderate resistance to FHB.

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

Table 1. Grain yield and agronomic traits performance of T301 compared to check cultivars based on the 2021-2023 Western Triticale Cooperative Tests.

Entry	Yield kg/ha				Agronomic Data					
	2021	2022	2023	Mean	Heading days	Maturity days	Height cm	Test Wt g/hL	Kernel Wt mg	Lodging 1-9
T301	3566	5869	6876	5437	52	94	86	74.5	48.4	1.1
Brevis	3407	5535	6487	5143	52	94	84	73.8	42.8	1.1
Pronghorn	2765	5701	6689	5051	52	94	96	69.4	44.1	2.2
AC Ultima	3089	5767	6031	4962	51	92	91	71.1	46.1	1.6
AC Andrew	3586	5884	6486	5322	56	92	76	77.3	37.2	1.4
CV	12.2	6.6	8.4	10.5	2.5	1.1	8.1	1.1	5.3	28.5
LSD _{0.05}	262	425	278.3	315	0.9	1.4	2.4	0.9	2.3	1.2
Station Years	6	10	10	26	11	23	26	23	23	4

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

Table 2. Dry matter yield and forage quality data averages for T301 compared to checks based on 2022-2023 Spring Triticale Forage Cooperative Tests.

Entry	DMY kg/ha	% Pronghorn	Forage Quality Data					
			ADF %	NDF %	TDN %	INVTD %	CP %	STRC %
T301	13595	97	29.8	50.8	66.2	70.5	10.2	8.5
Pronghorn	13987	100	31.0	52.1	64.6	69.8	10.4	5.9
Bunker	12551	90	31.7	52.6	63.7	69.2	10.1	6.7
CDC								
Haymaker (oat)								
AC Andrew (wheat)								

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 T301 compared to check cultivars based on the 2021-2023 Western Triticale Cooperative Tests.

Entry	Leaf Rust	*Stem Rust	*Stripe Rust	Bunt	Ergot %	FHB	DON
T301	R	R	R	R	0.15	MR	I
Pronghorn	R	R	R	R	0.51	MR-R	I-MR
Brevis	R	R	R	R	0.18	MR-R	I

*Due to severe drought, 2021 stripe and stem rust nurseries were not successful.

R= Resistant, MR= Moderate Resistant, I= Intermediate, MS= Moderate Susceptible and, S= Susceptible.

DON – deoxynivalenol.