Western Crop Innovations

T317

Spring triticale

- Best suited for forage, while retaining the option for feed usage
- Superior forage yields, 110% of Pronghorn and 115% of Brevis
- Improved forage qualities: low lignin, high starch content, and improved digestibility compared to all checks

Strengths of T317

- High Forage Yield: Produces 110% of Pronghorn and 115% of Bunker.
- Lodging Resistance: Shorter stature than Pronghorn enhancing standability.
- Improved Forage Quality: Low lignin, high starch content, and improved digestibility compared to all checks.
- Disease Resistance: Resistant to stem rust, leaf rust, yellow rust, and bunt.
- Ergot Susceptibility: Better than AC Ultima and Pronghorn checks.

T317 was developed by Western Crop Innovations will be available through Corns Seeds.

Table 1. Grain yield and agronomic traits performance of T317 compared to check cultivars based on the Western Triticale Cooperative Tests, 2022-2024.

Entry	Yield kg/hL						Agronomic Data					
	2022	2023	2024	Mean	Pronghorn %	Brevis %	Heading days	Maturity days	Height cm	TestWt kg/hL	KernWt g	Lodg. 1-9
Pronghorn	5701	6689	5444	5944	100	102	53	96	105	69.9	43.2	2.9
Brevis	5535	6487	5534	5852	98	100	53	97	91	74.0	41.9	1.3
AC Ultima	5767	6031	5191	5663	95	97	52	95	98	71.3	45.6	2.2
AC Andrew	5884	6486	5868	6079	102	104	56	94	83	77.1	35.9	1.8
T317	5927	6335	5563	5942	100	102	53	96	98	72.1	42.0	2.4
Station Years	10	10	12	32			19	27	29	26	26	26

KernWt = thousand kernel weight, Lodg. = lodging, 9 being up to 100% lodged.

Table 2. Dry matter yield and forage quality data for T317 from the 2023-2024Western Canadian Spring Triticale Forage Cooperative Trials.

Entry	DMY (kg/ha)				Forage Quality Data						
	2023	2024	Mean	Pronghorn %	ADF %	NDF %	TDN %	PROT %	STRC %	LIGN %	RFV %
Pronghorn	14587	8690	11639	100	28	45	67	12.4	10.3	4.0	140
Bunker	12939	9333	11136	96	28	46	67	11.9	9.1	4.1	137
AAC Delight	12698	8778	10738	92	26	43	69	11.8	11.3	3.3	152
CDC Haymaker	15863	7519	11691	100	31	50	64	11.8	9.7	4.5	122
AC Andrew	12988	7848	10418	90	28	46	68	12.0	12.9	3.5	136
T317	15295	10376	12835	110	28	42	70	11.0	12.9	3.3	150
Station Years	2	1	3		3	3	3	3	3	3	3

DMY = Dry Matter Yield, ADF= Acid Detergent Fiber, NDF= Neutral Detergent Fiber, TDN= Total Digestible Nutrients, PROT= Crude Protein content, STRC= Starch content, LIGN = Lignin Content, RFV = Relative Feed Value

Table 3. Overall disease reactions of T317 compared to check cultivars from the 2022-2024 Western Canadian Spring Triticale Cooperative Trials.

Entry	Bunt	Leaf Rust	Stem Rust	Stripe Rust	Ergot %	Fusarium Head Blight	
						Visual Index	DON
Pronghorn	R	R	MS	R	0.18	MR-R	I
Brevis	R	R	R	R	0.08	I-MR	MS-I
AC Ultima	R	R	R	R	0.25	MS	S-MS
AC Andrew	I	MS	MR-R	MR-R	0.01	MS-I	S-MS
T317	**R**	**R**	**R**	**R**	**0.11**	**MS-I**	**MS-I**

R — resistant, MR – Moderately resistant, I – intermediate resistance, MS – moderately susceptible, S—susceptible.