



T318

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 T318

- High Grain Yield: Produces 107% of Pronghorn and 108% of Brevis.
- High yield stability across locations and years compared to checks.
- Lodging Resistance: Shorter stature than Pronghorn and Brevis, enhancing standability and improving suitability for irrigated and high fertility areas.
- Superior 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.

T318 was developed by Western Crop Innovations will be available through SeCan.

Table 1. Grain yield and agronomic traits performance of T318 compared to check cultivars based on the 2022-2024 Western Canadian Spring Triticale Cooperative Trials.

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
T318	6109	6829	6093	6344	107	108	52	97	87	72.2	43.3	1.7
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 T318 from the 2023-2024 Western 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	14330	8722	11526	99	27	45	68	11.4	12.0	3.8	143	
AC Andrew	12988	7848	10418	90	28	46	68	12.0	12.9	3.5	136	
T318	13610	8977	11294	97	24	40	71	11.4	13.7	3.0	165	
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 T318 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
T318	R	R	R	R	0.19	I	MS

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