



WT0050

Winter triticale

- Reduced awn, suitable for forage and feed
- Grain yield 8% higher than Metzger and above Luoma
- Early maturity, 4 days ahead of both Luoma and Metzger
- Kernel weight higher than all checks

Strengths of WT0050

- Sustainable high grain yield, 108% and 106% higher than Metzger and Luoma.
- Early maturity, four days earlier than Metzger and Luoma checks.
- Enhanced forage digestibility, better than Luoma and Metzger.
- Large seed, the kernel weight is higher than all checks.

WT0050 was developed by Western Crop Innovations and will be available through Corns Seeds.

Table 1. Grain yield and agronomic performance of WT0050 compared to check cultivars in the 2022 – 2024 Western Winter Triticale Cooperative Registration Trials.

Entry	Yield (kg/ha)						Agronomic Data						
	2022	2023	2024	Mean	Metzger %	Luoma %	Head. days	Mat. days	Ht. cm	Surv. %	Lodg. 1-9	Test Wt g/hL	Kern Wt g
Bobcat	5287	4586	5799	5224	94	92	169	211	82	95	2.3	68.7	35.0
Hazlet (fall rye)	6332	4898	7590	6273	113	110	159	210	91	105	1.9	73.4	35.8
Luoma	5537	5854	5720	5704	103	100	174	213	86	121	3.8	70.0	36.7
Metzger	5355	5683	5633	5557	100	97	174	213	89	122	3.9	70.0	36.7
Pintail (w. wheat)	5725	5412	6435	5857	105	103	172	210	86	83	2.4	76.4	29.2
WT0050	5739	5756	6573	6023	108	106	170	209	87	122	2.8	68.8	42.0
Station Years	8	5	6	19			16	18	14	17	15	17	17

Head – heading, mat. - maturity; ht – height, surv. – survival; lodg. – lodging, 1-9, where 9 is up to 100% lodged, KernWt – thousand kernel weight.

Table 2. Dry matter yield and forage quality data of WT0050 compared to check cultivars in the 2022-2024 Winter Triticale Forage Cooperative Registration Trials.

Entry	Dry Matter Yield (kg/ha)					Forage Quality Data ^y						
	2022	2023	2024	Mean	Luoma %	ADF %	NDF %	TDN %	PROT %	STRC %	LIGN %	RFV %
Bobcat	15442	16942	19185	17190	93	23.0	41.4	69.2	8.6	17.3	3.4	160
Hazlet (fall rye)	16202	15585	19401	17063	92	25.6	44.4	69.2	7.8	14.4	3.4	145
Luoma	18035	15094	22492	18541	100	26.8	45.9	66.8	8.1	11.9	4.6	138
Metzger	18017	14916	23822	18918	102	29.3	48.1	66.5	8.4	11.8	4.5	128
Pintail (w. wheat)	16501	16446	21048	17998	97	22.8	40.2	71.0	8.7	19.7	2.2	165
WT0050	18355	14516	21481	18117	98	24.8	43.3	69.3	8.8	15.7	3.2	150
Station Years	1	1	1	3		1	1	1	1	1	1	1

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

^y Forage Quality Data = data is presented for 2024, measured via wet chemistry analysis.

Table 3. Ergot reactions of WT0050 compared to check cultivars based on the 2022 – 2024 Western Winter Triticale Cooperative Registration Trials.

Entry	Ergot (%)			
	2022	2023	2024	Mean
Bobcat	0.55	0.16	0.18	0.29
Hazlet (fall rye)	0.54	0.79	0.25	0.52
Luoma	0.08	0.04	0.12	0.08
Metzger	0.08	0.08	0.12	0.09
Pintail (w. wheat)	0.01	0.00	0.02	0.01
WT0050	0.26	0.13	0.08	0.16
Station Years	7	4	2	13