



## WT0042

### Winter triticale

- Reduced awn, suitable for forage and feed
- Higher forage digestibility than all triticale checks
- Early maturing

### Strengths of WT0042

- Sustainable high grain yield, 115% and 113% higher than Metzger and Luoma.
- Dry matter yield is 106% and 104% higher than Luoma and Metzger, with better digestibility.
- Early maturity, three days earlier than Metzger and Luoma checks.
- Plants are medium in height and resistant to lodging.
- Low ergot disease severity.

WT0042 was developed by Western Crop Innovations and is available through [SeedNet](#).

**Table 1.** Grain yield and agronomic performance of WT0042 in the 2020 – 2022 Western Winter Triticale Cooperative Registration Tests.

Entry	Yield (kg/ha)					Agronomic Data					
	2020	2021	2022	Mean	Metzger %	Mat. days	Height cm	Surv. %	Lodg. 1-9	Test Wt g/hL	Kernel Wt mg
Luoma	5432	4794	5537	5254	102	215	119	91.5	3.5	70.1	36.4
Bobcat	4763	4527	5287	4859	94	212	94	84.9	2.3	68.5	34.4
Metzger	5395	4747	5355	5166	100	215	119	90.4	3.3	70.4	36.1
Hazlet (fall rye)	5302	5774	6332	5802	112	211	102	94.4	1.8	73.9	35.4
Pintail (w. wheat)	5422	4549	5725	5232	101	212	81	86.3	2.6	76.1	27.8
WT0042	6387	5081	5922	5922	115	212	99	87.8	1.5	70.6	39.6
CV	9.9	11.4	10.2	13.3		1.0	4.9	10.5			
LSD <sub>0.05</sub>	283	262	328	516		0.7	1.5	2.9			
Station Years	10	7	8	25		24	19	21	21	23	23

Mat. - maturity; surv. – survival; lodg. – lodging, scored 1-9 where 9 is up to 100% lodged.

**Table 2.** Dry matter yield and forage quality data of WT0042 in the 2021-2022 Western Winter Triticale Forage Cooperative Registration Tests.

Entry	Dry Matter Yield (kg/ha)				Forage Quality Data					
	2021	2022	Mean	Metzger %	ADF %	NDF %	TDN %	INVTD %	CP %	STRC %
Luoma	13533	16674	15103	98	34.4	55.0	59.5	66.4	4.7	6.8
Bobcat	11638	14374	13006	85	32.3	52.6	60.2	69.2	4.5	10.1
Metzger	12838	17882	15360	100	34.1	54.6	58.5	66.8	4.5	6.8
Hazlet (fall rye)	14350	15918	15134	99	31.5	50.4	61.8	69.7	4.3	8.9
Pintail (w. wheat)	11279	14443	12861	84	31.6	51.5	61.1	70.4	4.4	9.9
WT0042	14474	17394	15934	104	31.4	50.5	62.5	70.3	4.4	9.7
CV	13.2	8.7	12.2						2.4	
LSD <sub>0.05</sub>	1820	1536	1630						0.2	
Station Years	2	2	4		4	4	2	4	4	4

ADF - acid detergent fibre; NDF - neutral detergent fibre; INVTD - in-vitro true digestibility; TDN – total digestible nutrients; CP = crude protein content; STRC – starch content

**Table 3.** Ergot reaction of WT0042 compared to check cultivars based on the Winter Triticale Coop Tests 2020-2022.

Entry	Ergot (%)			
	2020	2021	2022	Mean
Luoma	0.14	0.02	0.08	0.08
Bobcat	0.41	0.07	0.55	0.34
Metzger	0.13	0.01	0.08	0.08
Hazlet (fall rye)	1.70	0.08	0.54	0.77
Pintail (w. wheat)	0.01	0.04	0.01	0.02
WT0042	0.11	0.00	0.12	0.08
Mean	0.36	0.07	0.32	0.25
Station Years	10	4	7	21