



SY Stanza

2-Row Malt Barley

Non-GN variety
Short plant height, Superior standability
Good yield, similar to AAC Synergy

Superior Agronomics to All Other Canadian Non-GN Lines

SY Stanza is a promising two-row hulled malting barley line, that is a non-GN (glycosidic nitrile) line with potential for both the brewing and distilling industry. It was 10% higher yielding than CDC Copeland and 1% higher than AAC Synergy over 2 years of testing across all soil zones, performing best in the brown soil zone. It was significantly shorter than check varieties with much better lodging scores. Kernel weight was higher than the checks and test weight was lower than the checks. Maturity was 1.6 days longer than CDC Copeland. SY Stanza has an average disease resistance package compared to the checks, including better tolerance than the checks to scald and surface smut, similar tolerance to spot blotch and to loose smut, and weaker on stem rust, spotted net blotch and FHB tolerance.



- 10% higher yielding than CDC Copeland
- higher plumps than all checks
- Rated 'MR' to scald and surface smuts



syngenta

Maturity: +1.6 days vs. CDC Copeland

Height: -12 cm vs. CDC Copeland

Lodging resistance: Good (2)

FHB resistance: MS

Stem Rust Rating: S

Net Blotch – Net Form Rating: I

Net Blotch – Spot Form Rating: MS

Strengths

- Non-GN
- 10% higher yielding than CDC Copeland, 1% higher than AAC Synergy
- Shorter, strong straw, considerably more resistant to lodging than checks
- Plumper and heavier kernels than all checks
- MR tolerance to scald and surface smut

FP Genetics

Phone: 1-877-791-1045

Website: fpgenetics.ca

Email: info@fpgenetics.ca

Contact FP Genetics for detailed variety data



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Malting Quality Characteristics for TR20933 [as referred to below] and Checks from the 2020 and 2021 Western Cooperative Two-row Barley Registration Trials.

2020		Assortment			Barley 1000			Germ Energy		Malt			Wort								
NAME	YRS	>7/64 ^a %	>6/64 %	>5.5/64 %	K. Wt. g	Protein %db	4 ml %	8 ml %	RVA (RVU)	Moist %	Friab. ^a %	P&B ^{ab} %	Protein %db	Power °L,db	Alpha- Amylase D.U.,db	Fine Extract %db	Soluble Protein %db	KolBach Index (S/T)%	FAN mg/L	B-Glucan mg/L	Visc. ^a cP
CDC Copeland	C	56.5	92.4	98.7	43.9	12.2	100	99	149	44.5	79.0	8.8	12.1	149	74.5	79.4	4.94	40.9	161	94	1.45
AAC Synergy	C	72.0	96.3	99.2	45.9	11.5	99	94	149	45.5	82.9	12.1	11.7	154	87.7	81.2	5.14	43.9	173	59	1.42
TR20933	C	69.1	96.4	98.9	45.1	10.8	99	65	157	45.0	87.3	6.4	11.0	148	52.2	79.7	4.10	37.5	122	115	1.44

2021		Plump			Barley 1000			Germ Energy		Malt			Wort							
NAME	YRS	>7/64 ^a %	>6/64 %	>5.5/64 %	K. Wt. g	Protein %db	4 ml %	8 ml %	RVA (RVU)	Moist %	Friab. ^a %	Malt Protein %db	Diastatic Power °L,db	Alpha- Amylase D.U.,db	Fine Extract %db	Soluble Protein %db	KolBach Index (S/T)%	FAN mg/L	B-Glucan mg/L	Visc. ^a cP
CDC Copeland	C	44.1	94.9	98.7	42.9	12.1	100	90	86	46.7	86.0	12.2	151	70.6	79.7	5.23	43.0	191	100	1.44
AAC Synergy	C	60.5	95.9	98.6	45.2	12.1	97	92	78	46.5	75.3	11.9	150	82.3	80.5	5.27	44.8	197	82	1.42
TR20933	C	81.3	98.0	99.3	47.7	11.9	97	88	142	46.6	84.4	11.6	148	58.8	79.7	4.41	38.3	143	117	1.45

Malting Quality Characteristics for TR20933 and Checks from the 2021 & 2022 Collaborative Malting Barley Trials.

		>			Barley			Germ Energy		Steepout		Malt		Wort											
		7/64 %	6/64 %	5.5/64 %	K. Wt. g	Moisture %	Protein %	P&B %	4 ml %	8 ml %	Moist %	Chitting %	Germ Out Moisture %	Friab. %	P&B %	Malt Protein %	DP °L	Alpha- Amylase D.U.	Fine Extract %	Soluble Protein %	KolBach Index %	FAN mg/L	B-Glucan mg/L	Visc. cP	
2021 Mean																									
CDC Copeland		51.2	97.1	99.1	43.8	9.2	15.1	0.66	99.5	90.5	46.4	100.0	41.9	76.2	1.15	15.1	191	80.6	78.4	5.41	35.8	198	175	1.46	
AAC Synergy		49.0	96.2	97.9	43.2	9.5	13.4	1.07	100.0	97.0	46.7	100.0	42.8	87.5	1.24	13.7	183	93.9	79.8	5.04	36.8	182	109	1.42	
TR20933		68.9	98.3	99.5	44.1	9.2	14.3	1.07	98.0	82.5	46.0	100.0	43.2	91.8	1.76	13.7	181	63.4	78.6	4.58	33.7	168	81	1.43	
2022 Mean																									
CDC Copeland		67.4	95.9	98.5	48.5	9.4	11.7	3.31	99.3	89.0	45.6	99.3	43.1	90.0	5.74	11.4	154	65.0	80.7	4.86	42.0	203	75	1.47	
AAC Synergy		75.8	96.9	99.1	49.3	9.4	12.1	2.86	98.6	89.9	45.9	95.5	43.3	88.4	7.30	11.6	160	77.8	81.7	5.15	44.2	215	64	1.45	
TR20933		81.6	97.2	98.9	51.1	9.3	11.3	3.91	97.3	47.9	45.8	81.5	43.3	89.8	12.20	11.0	154	52.6	81.2	4.15	37.1	162	109	1.46	
2021/2022 Mean																									
CDC Copeland		62.8	96.2	98.7	47.1	9.3	12.7	2.78	99.4	89.4	45.8	99.4	42.7	87.7	4.21	12.3	163	68.9	80.1	5.00	40.4	202	100	1.46	
AAC Synergy		68.2	96.7	98.8	47.5	9.4	12.4	2.50	99.0	91.9	46.1	96.4	43.1	88.3	5.28	12.1	165	81.8	81.2	5.12	42.3	207	75	1.44	
TR20933		77.9	97.5	99.0	49.1	9.3	12.2	3.34	97.5	57.8	45.8	85.2	43.3	90.1	8.72	11.6	161	55.3	80.6	4.25	36.3	164	102	1.45	

All data presented in this request is from the 2020 and 2021 Western Cooperative Two-row Barley Registration Trials and the 2021 and 2022 Collaborative Malting Barley Trials.