



MELA CL+

SOFT WHITE WINTER TWO-GENE IMI WHEAT

Mela CL+ is a soft white winter two-gene Imidazolinone tolerant (Clearfield™) wheat variety developed and released in 2013 by the Agricultural Research Center of Washington State University. It's the second two-gene Clearfield (CL+) wheat variety released by WSU. Compared to the single-gene Clearfield™, the two-gene technology provides significantly better tolerance to Imidazolinone group of herbicide imazamox. Mela CL+ was developed using marker-assisted background selection approach. Compared to popular wheat varieties including those with Clearfield™ technology, Mela CL+ has higher yield potential, excellent snow mold resistance, and better stripe rust resistance. Mela CL+ is ideal for Pacific Northwest areas where ORCF103, Eltan and Xerpha are currently grown.

AGRONOMICS

Imidazolinone Tolerance	Two-gene
Yield Potential.....	Excellent
Test Weight	High
Grain Protein	Good
Cookie Diameter.....	Very Good
Sponge Cake Performance.....	Superior
Quality.....	Acceptable

DISEASE RESISTANCE

Stripe Rust.....	Moderately Resistant
Snow Mold	Better than Eltan
Winter Hardiness.....	Similar to Eltan
Cephalosporium Stripe	Equal to Eltan
Strawbreaker Foot Rot	Moderately Resistant

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Three Year Variety Testing Data from 2017–2019

VARIETY	<12" YIELD (BU/A)	TEST WT (LBS/BU)	PROTEIN (%)
Mela CL+	64	60.3	10.0
Curiosity CL+	64	60.5	9.7
Otto	62	60.1	10.7
ORCF102	61	60.6	10.6
Eltan	60	60.3	9.9
UI Magic CL+	58	60.7	10.7
WB1376CLP	55	61.8	11.8
C.V. %	9	1.9	6.0
LSD (0.05)	2	0.4	0.2

<12" Precip Zone (Bickleton, Connell, Harrington, Horse Heaven, Lind, Ritzville and St. Andrews), 2017–2019, 17 loc/years. Data was not available for (Bickleton), 2017 and 2019, (Harrington and Horse Heaven), 2019 for the analysis.

AVAILABILITY

For seed inquiries
please call:

Washington Genetics
509-659-4020, or
contact your local
seed dealer.

U.S. Plant Variety
Protection status
for this cultivar is
approved. Signed
grower agreements
are required.



Intended Production Area <12" Annual Precipitation