

2024 CORN GUIDE FOR THE MARITIME PROVINCES

MARITIME GRAIN CORN HYBRID PERFORMANCE LIST

HYBRID IDENTITY	CHU RATING	SPECIAL TRAITS	TOTAL SITE YEARS	3-YEARS				2-YEARS				2023			
				Yield @ 15.5% Moisture (t/ha)	Grain Moisture Content (%)	Test Weight (kg/hL)	Stalk Breakage (%)	Yield @ 15.5% Moisture (t/ha)	Grain Moisture Content (%)	Test Weight (kg/hL)	Stalk Breakage (%)	Yield @ 15.5% Moisture (t/ha)	Grain Moisture Content (%)	Test Weight (kg/hL)	Stalk Breakage (%)
P7574AM (PIONEER)	2150	AM	15	10.01	21.77	68.92	5.48	9.64	21.31	68.74	8.10	9.85	23.10	68.54	1.70
DLF 2158VT2P RIB (DLF PICKSEED)	2175	GENVT2P	5									11.22	23.44	67.80	0.40
P7844AM (PIONEER)	2225	AM	15	11.16	24.20	67.39	2.81	10.40	23.25	67.29	3.90	10.08	26.14	66.07	3.20
DLF2210VT2P RIB (DLF PICKSEED)	2225	GENVT2P	39	10.18	24.27	66.94	2.36	9.32	23.24	67.07	3.50	9.02	27.54	64.78	0.00
MZ 1544DBR (MAIZEX)	2250	VT2P	15	11.48	23.67	65.85	4.45	10.90	22.29	66.15	6.60	10.28	25.40	64.49	1.80
A4646G2 RIB (PRIDE)	2300	VT2P	35	10.72	23.09	68.00	6.38	10.24	21.82	67.73	9.50	10.04	25.20	66.98	2.50
P7955AM (PIONEER)	2300	AM	30	10.51	23.81	69.90	6.31	10.074	23.24	69.58	9.30	9.51	25.34	68.55	2.40
MZ 1688DBR (MAIZEX)	2300	VT2P	30	11.42	23.44	68.19	4.05	11.04	21.99	68.23	6.00	10.92	25.92	66.86	0.90
B79H45AM (BREVANT)	2300	AM	15	11.53	24.42	66.37	8.22	10.94	23.93	66.26	12.30	10.28	25.94	65.00	6.40
DKC30-63RIB (DEKALB)	2325	VT2P	15	10.16	24.07	67.81	3.57	9.52	23.18	67.57	5.30	9.07	27.26	66.49	1.30
NK7837-V (SYNGENTA)	2350	VIP	25	10.27	24.79	69.39	2.43	10.24	23.68	69.26	3.30	9.63	26.82	67.72	3.30
A4939G2 RIB (PRIDE)	2400	VT2P	39	11.61	23.51	66.86	5.06	11.04	22.38	66.92	7.40	10.68	25.56	65.66	0.20
B82R52 (BREVANT)	2400	AM	30	11.43	26.07	65.59	5.95	10.98	25.08	65.81	8.40	11.00	27.80	64.10	2.10
MZ 2266DBR	2450	VT2P	10					10.57	23.26	68.51	6.00	11.07	27.24	67.58	0.40
DLF2562VT2P RIB (DLF PICKSEED)	2475	GENVT2P	25	11.65	26.82	65.87	4.81	11.26	25.75	65.61	7.00	11.40	29.34	64.27	0.60
NK8204-V (SYNGENTA)	2550	VIP	25	10.44	27.07	65.72	2.33	9.69	26.49	65.33	3.20	9.16	31.04	63.02	1.10
MZ 2452DUR (MAIZEX)	2550	DUR	15	12.38	28.33	65.38	4.54	11.73	27.71	65.31	6.80	11.36	31.96	63.38	2.20
GRAND MEAN				10.94	24.79	67.33	4.66	10.38	23.62	67.47	6.80	10.01	26.13	67.18	1.82

Special Traits:

AM= AcreMax insect protection
 RR2 = glyphosate herbicide tolerance

VT2P/GENVT2P = VT DoublePro insect protection

DUR = Agrisure Duracade insect protection

VIP = Viptera insect protection

MARITIME SILAGE CORN HYBRID PERFORMANCE LIST

HYBRID IDENTITY	CHU Rating	Special Traits	Total Site Years Tested	3-YEARS			2-YEARS			2023		
				Dry Matter Plant Yield (t/ha)	Plant Dry Matter (%)	Stalk Breakage (%)	Dry Matter Plant Yield (t/ha)	Plant Dry Matter (%)	Stalk Breakage (%)	Dry Matter Plant Yield (t/ha)	Plant Dry Matter (%)	Stalk Breakage (%)
MS 8022R (MAIZEX)	2225	RR2	15	18.17	36.33	10.6	17.36	36.36	14.60	17.06	34.40	10.64
B79H45AM (BREVANT)	2300	AM	15	16.90	38.35	10.20	15.79	39.0	14.90	15.75	36.40	10.38
B82R52AM (BREVANT)	2400	AM	20	17.25	37.83	8.20	16.05	38.20	11.90	15.49	34.64	5.56
P8294AM (PIONEER)	2400	AM	15	18.44	37.50	5.80	16.58	37.29	8.70	16.93	34.70	2.04
MZ 2452DUR (MAIZEX)	2550	DUR	15	19.53	35.81	3.70	18.14	35.94	7.10	18.03	32.88	1.36
NK8618-D (SYNGENTA)	2650	DUR	15	18.99	34.98	4.60	17.61	35.00	6.80	17.40	32.14	2.68
GRAND MEAN				17.34	36.78	6.90	16.46	37.11	10.30	16.21	34.46	4.76

Corn testing contributions in 2023 were made by Charlottetown Research and Development Centre, Agriculture & Agri Food Canada, Perennia Food and Agriculture, New Brunswick Department of Agriculture, Aquaculture and Fisheries and NB Soil & Crop Improvement Association. The 2024 Maritime Corn Hybrid Testing Report has been prepared by Perennia on behalf of the Maritime Corn Performance Committee and is posted at <https://atlanticgrainscouncil.ca/variety-cultivars/>

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Performance Index System and Criteria for Inclusion on the Performance List

A combined yield/maturity index called the Performance Index (PI) is calculated for each hybrid in each trial. The PI is compared to a standard which is made up of the average yield and maturity levels of three early and three late standards. This system allows for each hybrid to be compared to the standard and minimizes the influence of yearly fluctuations in weather and environmental factors since both the standards and test hybrids experience the same conditions at each location. The PI is averaged across all sites for each hybrid and measured against the criteria for inclusion on the performance list. The PI for each individual site can be found in the full report.

Performance Index values below 100 are inferior and those above 100 are superior to the boundaries established by the yield and maturity levels of the standard hybrids on a yield versus maturity graph. Grain and/or silage hybrids may be listed when they meet any of the following criteria and have acceptable levels for stalk breakage, emergence, and other characteristics:

1. A cumulative performance index level of **105.0 or greater** with 1 year's testing (minimum 4 site years) – exceptional yield and maturity.
2. A cumulative performance index level of **100.0 or greater** with 2 year's testing (minimum 7 site years) – average or greater yield and maturity.
3. A relative maturity level of **100 + Y or greater** and a relative yield level of **100 – Y or greater** (minimum 7 site years) – high yielding and high moisture (later maturing).
4. A relative maturity level of **96.0 or greater** and a relative yield level of **105.0 or greater** (minimum 7 site years) – low moisture (early maturing) and moderate yield.

Further information on criteria for inclusion or retesting and unacceptable hybrid performance can be found in the full report.