



Pioneer® brand Maize Grain hybrid performance information

Grain CRM 99

Defensive. Stable. Productive.

P9978 is a modern erect-leaf hybrid with strong standability, drought tolerance and a great all-round agronomic offering, including strong Northern Leaf Blight resistance.

- Trials show **P9978** produces industry leading yields in this maturity.
- Delivers in challenging through to high yielding environments and will reward the time taken to plant the best seeding rate for the growing situation.
- When planting early or into cold wet soils, switch to **P9650**, or **P0283**.

Widely adapted to all North Island growing regions where this maturity is required.

Recommended growing regions



Recommended established plant populations (000's/ha)

Challenging
yield
environments

85

Medium
yield
environments

95

High
yield
environments

105



Plant and agronomic traits

Drought tolerance		7
Stalk strength		6
Root strength		6
Early growth		6
Staygreen		7
Husk cover		6
Grain drydown		6

Grain quality traits

Grain appearance		6
Test weight		5

Hybrid disease ratings

Northern Leaf Blight		7
Common Rust		7

Maize Grain Performance Comparisons for P9978

Yield/test weight advantage to the first named hybrid

Pioneer hybrid	Comparison hybrid	Number of trials	Harvest moisture difference (%) ¹	Grain yield advantage(kgDM/ha)	Statistical significance	Test weight difference (kg/hl)
National						
P9978	P0021	214	-0.52	862	★★★	-2.17
P9978	P0283	163	0.06	-277	★	-1.89
P9978	P0362	290	0.66	398	★★★	-2.01
P9978	P0450	104	0.18	-172	NS	1.18
P9978	P92575	97	-0.18	533	★★★	-1.06
P9978	P9650	133	-0.26	523	★★★	-2.88
Northland						
P9978	P0283	20	0.00	-271	NS	-1.79
P9978	P0362	40	0.47	143	NS	-2.60
P9978	P0450	16	0.01	225	NS	0.63
P9978	P9650	9	-0.01	167	NS	-3.04
Waikato						
P9978	P0283	46	0.01	-88	NS	-3.10
P9978	P0450	36	0.24	-319	NS	1.27
P9978	P9650	46	-0.46	397	★	-3.95
Bay of Plenty Gisborne & Hawke's Bay						
P9978	P0021	51	-0.31	1,034	★★★	-2.08
P9978	P0283	46	0.12	-99	NS	-1.26
P9978	P0362	68	0.59	472	★★	-2.17
P9978	P0450	32	0.23	-10	NS	1.30
P9978	P9650	37	-0.06	753	★★★	-2.38
Lower North Island						
P9978	P0021	71	-0.70	886	★★★	-2.01
P9978	P0283	50	0.04	-635	★★★	-1.37
P9978	P0362	91	0.69	403	★★	-1.64
P9978	P0450	20	0.11	-485	NS	1.29
P9978	P9400	29	-2.22	1,629	★★★	-3.98
P9978	P9650	41	-0.40	535	★★	-2.08

Yield significance Key

NS
CA
★

No significant yield difference
Commercially acceptable
Significant yield advantage

★★
★★★

Highly significant yield advantage
Very highly significant yield advantage

¹ Positive harvest moisture differences indicate that the bolded Pioneer hybrid had a lower average moisture percentage at harvest than the comparison hybrid. Such hybrids are usually earlier in maturity or faster to drydown than the comparison hybrid. Negative moisture differences indicate that the bolded Pioneer hybrid had a higher average moisture percentage at harvest. Such hybrids are usually later in maturity or slower to drydown than the comparison hybrid. Positive yield and / or test weight differences indicate the bolded Pioneer hybrid had higher yield and / or grain test weight.
Source: Pioneer® brand products New Zealand Research Programme. Includes all data to the end of the 2026 harvest.

For further information contact:
Your Area Manager
Or visit www.pioneer.nz
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