



## 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 that **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**, **P0021** or **P0200**.

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	<div><div></div></div>	7
Stalk strength	<div><div></div></div>	6
Root strength	<div><div></div></div>	6
Early growth	<div><div></div></div>	6
Staygreen	<div><div></div></div>	7
Husk cover	<div><div></div></div>	6
Grain drydown	<div><div></div></div>	6

#### Grain quality traits

Grain appearance	<div><div></div></div>	6
Test weight	<div><div></div></div>	5

#### Hybrid disease ratings

Northern Leaf Blight	<div><div></div></div>	7
Common Rust	<div><div></div></div>	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 (%) <sup>1</sup>	Grain yield advantage(kgDM/ha)	Statistical significance	Test weight difference (kg/hl)
<b>National</b>						
<b>P9978</b>	P0021	253	-0.52	942	★★★	-2.09
<b>P9978</b>	P0200	270	0.15	682	★★★	-1.59
<b>P9978</b>	P0362	281	0.73	479	★★★	-1.89
<b>P9978</b>	P0547	91	-0.49	936	★★★	-1.95
<b>P9978</b>	P9400	113	-1.72	1,756	★★★	-3.71
<b>P9978</b>	P9650	84	-0.22	565	★★★	-2.47
<b>P9978</b>	P9721	126	-1.41	1,141	★★★	-0.54
<b>Northland</b>						
<b>P9978</b>	P0021	24	-0.41	151	NS	-3.13
<b>P9978</b>	P0200	32	0.39	155	NS	-2.39
<b>P9978</b>	P0362	34	0.55	219	NS	-2.72
<b>Waikato</b>						
<b>P9978</b>	P0021	80	-0.41	1,102	★★★	-1.94
<b>P9978</b>	P0200	90	0.27	712	★★★	-1.33
<b>P9978</b>	P0362	93	0.81	481	★★	-1.86
<b>P9978</b>	P9400	50	-1.68	1,868	★★★	-4.49
<b>P9978</b>	P9650	42	-0.09	601	★★	-2.66
<b>Bay of Plenty   Gisborne &amp; Hawke's Bay</b>						
<b>P9978</b>	P0021	57	-0.36	1,138	★★★	-2.17
<b>P9978</b>	P0200	64	0.03	660	★★★	-2.18
<b>P9978</b>	P0362	69	0.64	493	★★	-2.02
<b>P9978</b>	P9400	20	-1.18	2,256	★★★	-2.96
<b>P9978</b>	P9650	14	0.17	300	NS	-2.43
<b>Lower North Island</b>						
<b>P9978</b>	P0021	90	-0.74	912	★★★	-1.90
<b>P9978</b>	P0200	82	0.01	886	★★★	-1.15
<b>P9978</b>	P0362	84	0.78	585	★★★	-1.50
<b>P9978</b>	P0547	80	-0.54	1,006	★★★	-2.07
<b>P9978</b>	P9400	34	-2.19	1,557	★★★	-3.52
<b>P9978</b>	P9650	26	-0.61	757	★★	-2.21

### Yield significance Key

NS No significant yield difference  
CA Commercially acceptable  
★ Significant yield advantage

★★ Highly significant yield advantage  
★★★ Very highly significant yield advantage

<sup>1</sup> 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 2024 harvest.

For further information contact:  
Your Area Manager  
Or visit [www.pioneer.nz](http://www.pioneer.nz)  
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