# Pioneer® brand Maize Grain hybrid performance information

PIONEER® BRAND

# P8333

## Grain CRM 83

**Productive option for cooler regions.**

A tall plant with a long ear, good husk cover, supported by strong all-round agronomics, superior drought tolerance and staygreen.

- Has fast drydown and good test weight.
- While slightly earlier than **P8666** it has similar in-paddock appearance.
- A tall leafy plant so established plant populations should be approximately 5,000 per hectare less than applied for **P8240**.

Delivers much higher grain yields than **P8000** in the cooler regions of the Lower North Island and South Island.

### Recommended growing regions

### Recommended established plant populations (000's/ha)

| Challenging yield environments | Medium yield environments | High yield environments |
|---|---|---|
| 85 | 95 | 105 |

### Plant and agronomic traits

| | |
|---|---|
| Drought tolerance | 7 |
| Stalk strength | 6 |
| Root strength | 5 |
| Early growth | 8 |
| Staygreen | 8 |
| Husk cover | 6 |
| Grain drydown | 7 |

### Grain quality traits

| | |
|---|---|
| Grain appearance | 7 |
| Test weight | 7 |

### Hybrid disease ratings

| | |
|---|---|
| Northern Leaf Blight | 5 |
| Common Rust | 6 |

# Maize Grain Performance Comparisons for P8333

Yield/test weight advantage to the first named hybrid

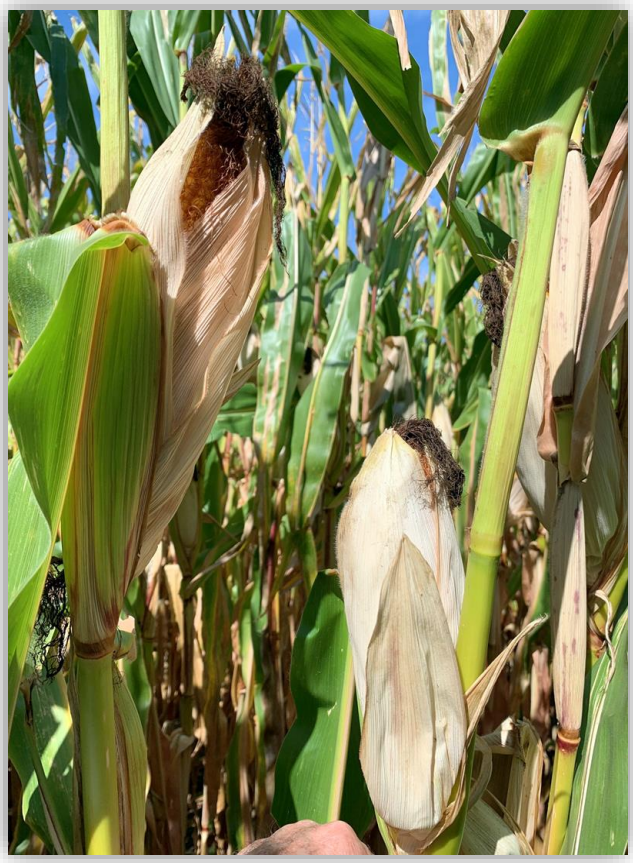
| Pioneer hybrid | Comparison hybrid | Number of trials | Harvest moisture difference (%)[1] | Grain yield advantage(kgDM/ha) | Statistical significance | Test weight difference (kg/hl) |
|---|---|---|---|---|---|---|
| **Lower North Island & South Island** | | | | | | |
| **P8333** | P8000 | 45 | -0.13 | 1,269 | ★★★ | -1.19 |
| **P8333** | P8086 | 8 | 0.49 | -1,117 | **NS** | 1.29 |
| **P8333** | P8240 | 22 | 0.42 | -813 | ★ | 1.43 |
| **P8333** | P8666 | 47 | 0.52 | -593 | ★★ | 1.69 |
| **P8333** | P8711 | 20 | 1.72 | -2,309 | ★★★ | 1.69 |
| **P8333** | P8805 | 35 | 0.11 | -579 | **CA** | 1.89 |

**Yield significance key**

| | | | |
|---|---|---|---|
| **NS** | No significant yield difference | ★★ | Highly significant yield advantage |
| **CA** | Commercially acceptable | ★★★ | Very highly significant yield advantage |
| ★ | 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 2023 harvest**.



For further information contact:
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