

Agrinote



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Background

A novel approach was taken when breeding *Warrior*. A large number of plants were screened in southern Queensland, a tough environment for Italian ryegrass due to heat and rust pressure. Plants were selected for dry matter production, seedling vigour and rust tolerance. *Warrior* has performed exceptionally in trials for pasture production and rust tolerance. *Warrior* has improved production over the late spring and summer periods.

Key Features

- ✓ Exceptional production
- ✓ Extended spring / summer production
- ✓ High winter growth
- ✓ Excellent disease tolerance

Uses

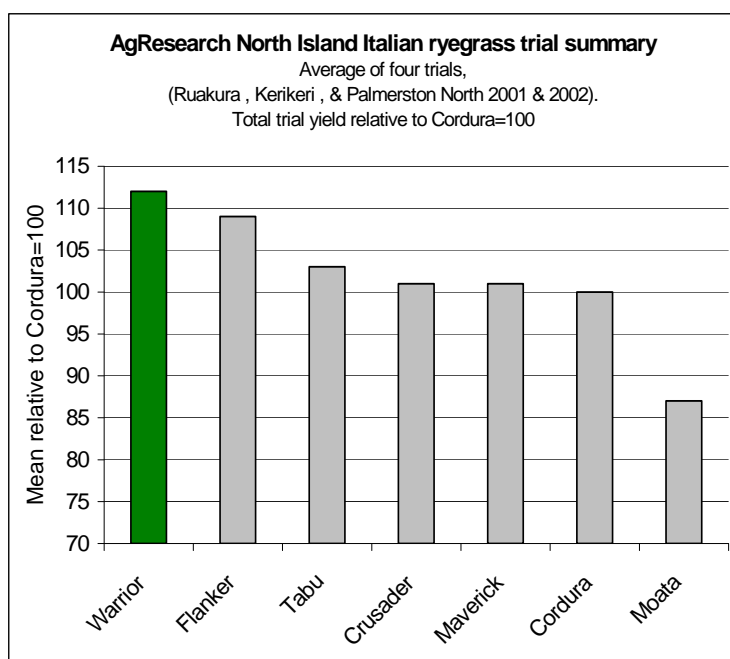
Warrior is a quick establishing, densely tillered, medium term Italian ryegrass offering high year round production with notably improved spring/summer performance and persistence.

Warrior was selected for summer heat tolerance, establishment vigour and high rust tolerance. Bred by AgResearch Grasslands, *Warrior* offers exceptional dry matter production and is particularly well suited to North Island conditions for farmers targeting maximum animal production.

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Table 1: Waikato Italian Ryegrass 2006 - 2007 Trial Summary
Ryegrass Seasonal and Total Relative Yield to Trial Mean

| Cultivar | Establishment | Winter | Early Spring | Late Spring | Summer | 2nd Autumn | Total Yield |
|----------------------|---------------|--------|--------------|-------------|--------|------------|-------------|
| Warrior | 99 | 102 | 107 | 101 | 102 | 109 | 103 |
| Tabu | 107 | 96 | 107 | 104 | 100 | 106 | 103 |
| Feast II | 100 | 108 | 101 | 99 | 98 | 99 | 100 |
| Sonik | 94 | 94 | 85 | 97 | 100 | 86 | 93 |
| LSD (5% Level) | 24 | 12 | 12 | 3 | 7 | 15 | 2 |
| Trial Mean (kgDM/ha) | 1818 | 3616 | 4233 | 5244 | 5979 | 3463 | 24352 |

Table 2: Northland Italian Ryegrass 2006 - 2007 Trial Summary
Ryegrass Seasonal and Total Relative Yield to Trial Mean

| Entry | Establishment | Winter | Early Spring | Late Spring | Summer | Autumn | Total Yield |
|----------|-------------------|--------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Year 1 KgDM/ha | | Year 1 KgDM/ha | Year 1 KgDM/ha | Year 1 KgDM/ha | Year 1 KgDM/ha | To Date KgDM/ha |
| Warrior | 99 | 105 | 105 | 101 | 102 | 108 | 104 |
| Tabu | 107 | 101 | 104 | 104 | 100 | 107 | 103 |
| Feast II | 100 | 105 | 101 | 99 | 98 | 98 | 100 |
| Sonik | 94 | 89 | 90 | 97 | 100 | 87 | 93 |
| LSD | 24 | 10 | 12 | 3 | 7 | 15 | 3 |
| Mean | 1818 | 6132 | 1717 | 5244 | 5992 | 1518 | 26121 |