

# Agrinote



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## Background

*Kingston* perennial ryegrass is a mid-flowering diploid perennial ryegrass, with strong early-spring activity. This allows *Kingston* to contribute valuable growth in the critical early lambing and calving period. *Kingston* is one of the more versatile ryegrasses in the Agricom range. A high tiller density gives good tolerance to occasional hard grazing, and winter damage, and allows rapid recovery after grazing.

Part of *Kingston's* breeding has improved tolerance to acid soils containing aluminium.

*Kingston* has shown particularly strong application to South Island conditions.

## Characteristics

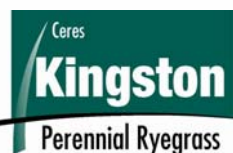
Perenniality	Leaf Size	Heading Date	Ploidy
100% Perennial	Fine-Medium	Mid (-3)	Diploid

Rust Tolerance	1000 Seed Weight	Endophyte	Suggested Sowing Rate (kg/ha)
Medium	2.0 grams	Low Endophyte or HE	18-20

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## Key Features

- ✓ A versatile general-purpose ryegrass for sheep and beef
- ✓ Adapted to South Island conditions
- ✓ Densely tillered
- ✓ Strong early-spring production
- ✓ Ability to support valuable clover content
- ✓ Improved aluminium tolerance in acid soils

## Production Data

Table 1: NFVT Invercargill Ryegrass Seasonal and Total Yield  
Relative to Trial Mean =100.

Cultivar	Winter	Spring	Summer	Autumn	Total
<b>Kingston</b>	<b>103</b>	<b>103</b>	<b>98</b>	<b>101</b>	<b>101</b>
<b>Sterling</b>	103	100	102	101	101
<b>Cannon</b>	99	100	103	101	101
<b>Nui</b>	97	99	99	99	99
<b>LSD (5% Level)</b>	<b>115</b>	<b>247</b>	<b>372</b>	<b>173</b>	<b>747</b>
<b>Trial Mean (kg DM/ha)</b>	<b>740</b>	<b>5525</b>	<b>5669</b>	<b>2821</b>	<b>14755</b>



Figure 1: NFVT Canterbury Trials – Total Yield 2007 (1991 – 2007)

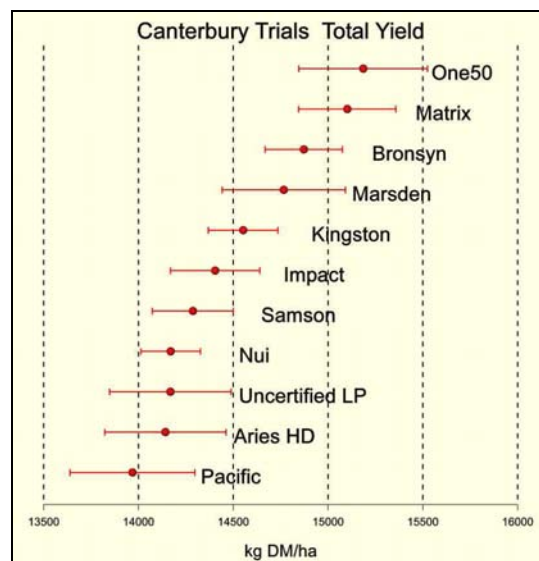
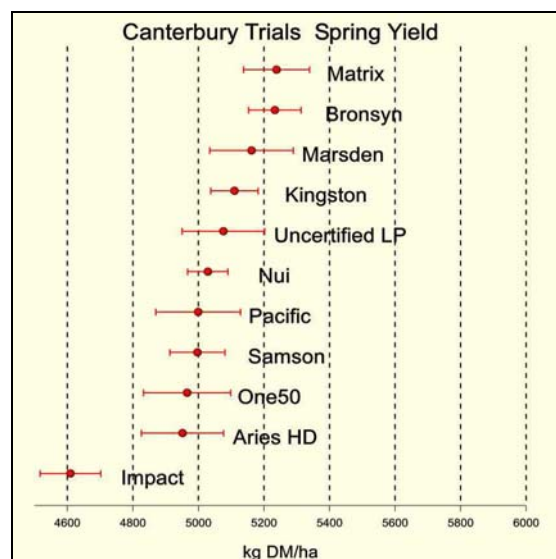


Figure 2: NFVT Canterbury Trials – Spring Yield 2007 (1991 – 2007)



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## Suggested Mixes

### Sheep/Beef Mix – Mid Heading Date

<i>Kingston</i> LE perennial ryegrass	18 kg/ha
<i>Charlton</i> timothy	1 kg/ha
<i>Tribute</i> white clover (bare seed)	4 kg/ha
<i>Colenso</i> red clover (bare seed)	4 kg/ha
<i>Choice</i> Chicory (bare seed)	1.5 kg/ha
<i>Tonic</i> Plantain	1 kg/ha
<b>Total</b>	<b>29.5 kg/ha</b>