



Agrinote



- **Reason** is a new, high performance diploid mid heading (+3) perennial ryegrass.
- Bred from plants screened in Northland, Waikato, Palmerston North and Canterbury.
- **Reason** has a well balanced, seasonal growth potential with excellent early-spring growth in cooler regions and excellent tolerance to a wide range of environments.
- **Reason** has very good tiller density with extremely low aftermath heading in summer making it ideal for sheep, beef and dairy systems looking for extra spring growth, while maintaining summer and autumn quality and production.

Characteristics

Perenniality	Heading date	Endophyte	Rust tolerance	Aftermath heading
Diploid perennial	+3 day heading date*	AR37	Excellent	Very low compared to other cultivars of a similar heading date

Heading date comparisons

Reason has a + 3 heading date vs Nui* at 0 days. In Agricom's portfolio **Reason** has a similar heading date to Samson, Request and Kingston. It is 10 days earlier than Legion and Prospect and 17 days earlier than ONE⁵⁰.

*Nui heading date at 0 days is the 22nd October

Drymatter production

Reason has completed four NZPBRA trials including the Waikato (to be finished in the spring of 2021 and therefore missing the sign off time for the 2021 NFVT summaries), Manawatu, Hawke's Bay and Canterbury. It has completed two years of severely drought affected trials at the South Canterbury (Southburn) site and central Canterbury (Kirwee) sites sown in 2019-2021.

Winter growth	Very high in all regions
Early spring growth	Very high in all regions
Late spring	Industry average for all regions
Summer growth	Very high across all regions
Autumn growth	Very high across all regions



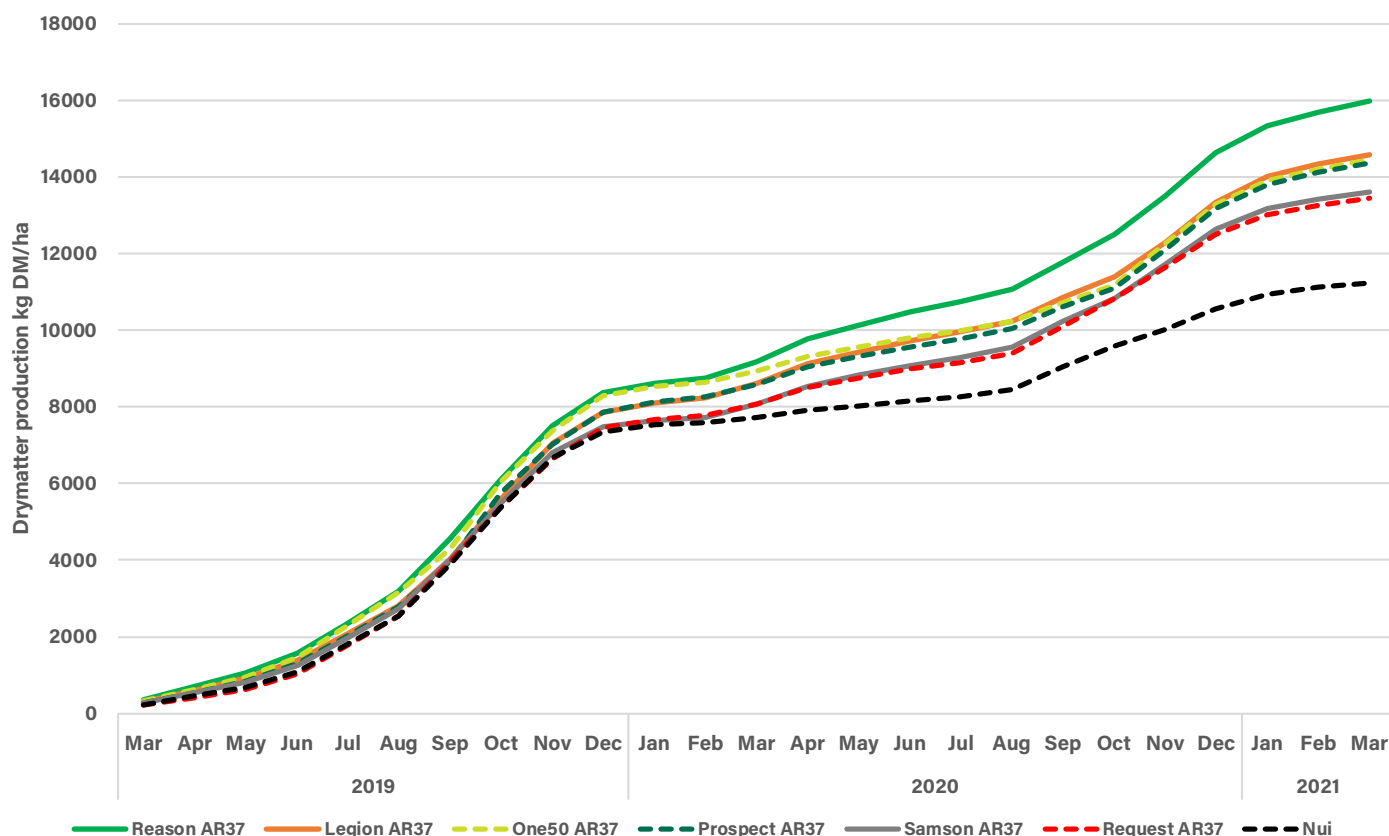
Newly established **Reason AR37** perennial ryegrass. This paddock was taken through to seed production for our first **Reason AR37** pre commercial seed.



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Interim data - Accumulated drymatter production from Agricom's AR37 perennial ryegrass trials at the South Canterbury (Southburn) dryland site, sown in autumn 2019 (2020/2021 drought event).



Example Mixes Include:

Sheep and Beef

Reason is ideal for early spring set stocking, with its summer quality making it well suited for a range of stock classes. Its low aftermath heading and autumn growth potential making it an excellent fit for autumn mating in sheep systems. **AR37** endophyte is not suitable for deer or horse pastures. **Reason AR1** will be released in the future.

Reason AR37	18 kg/ha
Attribute white clover	3 kg/ha
Nomad white clover	2 kg/ha
Relish red clover	4 kg/ha
Ecotain® environmental plantain	2 kg/ha
Total	29 kg/ha

Dairy

Reason AR37 is an ideal mid heading ryegrass to add an earlier heading date to dairy platforms that have a lot of late heading ryegrass. **Reason AR37** is a high performance, resilient diploid perennial that has low aftermath heading in summer and maintains summer and autumn productivity similar to existing late heading dairy options.

Reason AR37	20 kg/ha
Attribute white clover	2 kg/ha
Brace white clover	3 kg/ha
Ecotain® environmental plantain	3 kg/ha
Total	28 kg/ha