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BARENBRUG

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## *Grass genetics giving you a faster return on investment.*

Get your rockstar ryegrass.

BARENBRUG
Grow with confidence

## True cost of renewal

Will the cultivar you sow be a key part of the farm 'grass factory'? Cheap seed is often expensive feed. You might save $265/ha* at sowing for an uncertified ryegrass but lose $3395/ha* in operating profit.

### PERENNIAL RYEGRASS South of Taupo** Yield by season as % of Mean

| Entry | Number of trials | Early Spring % | Early Spring LSI | Late Spring % | Late Spring LSI | Summer % | Summer LSI | Autumn % | Autumn LSI | Winter % | Winter LSI | Total % | Total LSI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maxsyn NEA12 | 3 | 100.9 | 5.5 | 102.5 | 4.2 | 111.1 | 5.3 | 109.5 | 5.7 | 104.3 | 7.1 | 106.6 | 3.9 |
| Maxsyn NEA4 | 3 | 102.5 | 5.5 | 103.5 | 4.2 | 107.9 | 5.4 | 107.5 | 5.7 | 108.3 | 7.1 | 106.0 | 3.9 |
| Array NEA2 | 4 | 100.0 | 4.8 | 102.2 | 3.6 | 106.8 | 4.7 | 109.3 | 5.0 | 110.0 | 6.2 | 105.2 | 3.4 |
| RGT Hustle RGT18 | 8 | 105.0 | 3.5 | 100.8 | 2.6 | 108.0 | 3.4 | 104.3 | 3.6 | 111.5 | 4.5 | 105.0 | 2.5 |
| 4front NEA2 | 5 | 105.9 | 4.3 | 104.1 | 3.3 | 103.8 | 4.2 | 105.7 | 4.5 | 109.5 | 5.6 | 105.0 | 3.1 |
| Tyson NEA4 | 5 | 115.4 | 4.3 | 103.3 | 3.3 | 102.3 | 4.2 | 104.3 | 4.5 | 102.9 | 5.6 | 105.0 | 3.1 |
| RGT Hustle AR1 | 18 | 106.8 | 2.4 | 103.0 | 1.8 | 105.3 | 2.3 | 102.4 | 2.5 | 110.7 | 3.1 | 104.9 | 1.7 |
| Reason AR37 | 10 | 106.6 | 3.1 | 99.9 | 2.4 | 98.9 | 3.0 | 107.0 | 3.2 | 106.7 | 4.0 | 103.3 | 2.2 |
| Governor AR1 | 5 | 108.8 | 4.3 | 99.9 | 3.3 | 100.7 | 4.2 | 103.3 | 4.5 | 107.5 | 5.6 | 102.4 | 3.1 |
| AberGreen AR1 | 16 | 108.6 | 2.5 | 109.5 | 1.9 | 99.7 | 2.4 | 98.2 | 2.6 | 83.9 | 3.2 | 102.1 | 1.8 |
| Three60 AR37 | 7 | 95.0 | 3.7 | 95.7 | 2.8 | 104.4 | 3.6 | 109.3 | 3.8 | 107.0 | 4.8 | 101.8 | 2.6 |
| Legion AR37 | 13 | 100.6 | 2.7 | 96.9 | 2.1 | 100.8 | 2.7 | 106.6 | 2.8 | 106.8 | 3.5 | 101.4 | 2.0 |
| RGT Moxie AR1 | 14 | 108.0 | 2.6 | 99.3 | 2.0 | 101.7 | 2.6 | 100.0 | 2.8 | 99.7 | 3.4 | 101.4 | 1.9 |
| Raider NEA2 | 8 | 103.0 | 3.4 | 100.6 | 2.6 | 100.3 | 3.3 | 99.3 | 3.5 | 103.8 | 4.4 | 101.0 | 2.5 |
| One50 AR37 | 31 | 95.3 | 1.8 | 98.3 | 1.4 | 102.2 | 1.8 | 101.9 | 1.9 | 104.4 | 2.4 | 100.2 | 1.3 |
| Base AR37 | 23 | 97.5 | 2.1 | 98.5 | 1.6 | 101.5 | 2.0 | 99.6 | 2.2 | 105.8 | 2.7 | 100.1 | 1.5 |
| Platform AR37 | 12 | 100.4 | 2.8 | 100.7 | 2.1 | 97.6 | 2.8 | 102.6 | 2.9 | 99.1 | 3.7 | 99.9 | 2.0 |
| Excess AR37 | 5 | 99.1 | 4.2 | 97.7 | 3.2 | 98.3 | 4.1 | 101.3 | 4.4 | 109.1 | 5.5 | 99.6 | 3.1 |
| One50 AR1 | 27 | 94.9 | 1.9 | 98.4 | 1.5 | 102.3 | 1.9 | 97.9 | 2.0 | 106.6 | 2.5 | 99.5 | 1.4 |
| Prospect AR37 | 11 | 98.5 | 2.9 | 97.4 | 2.2 | 100.0 | 2.9 | 98.9 | 3.1 | 108.8 | 3.8 | 99.5 | 2.1 |
| Avatar NEA | 6 | 97.1 | 4.1 | 95.5 | 3.1 | 101.0 | 4.0 | 97.5 | 4.2 | 114.3 | 5.3 | 99.2 | 2.9 |
| Rely AR37 | 4 | 103.7 | 4.8 | 99.8 | 3.6 | 94.8 | 4.6 | 104.0 | 4.9 | 89.7 | 6.2 | 98.7 | 3.4 |
| Rely AR1 | 4 | 99.8 | 4.8 | 96.9 | 3.7 | 97.2 | 4.7 | 99.2 | 5.0 | 95.1 | 6.2 | 97.9 | 3.5 |
| Expo AR1 | 6 | 100.0 | 4.0 | 99.8 | 3.1 | 96.8 | 3.9 | 93.3 | 4.2 | 100.2 | 5.2 | 97.5 | 2.9 |
| Matrix SE | 13 | 97.1 | 2.7 | 95.6 | 2.0 | 96.5 | 2.6 | 97.9 | 2.8 | 103.7 | 3.5 | 97.3 | 1.9 |
| Ultra AR1 | 7 | 95.9 | 3.7 | 94.8 | 2.8 | 97.2 | 3.6 | 97.7 | 3.8 | 103.8 | 4.8 | 97.2 | 2.7 |
| One50 WE | 20 | 97.2 | 2.2 | 95.7 | 1.7 | 97.0 | 2.2 | 95.3 | 2.3 | 104.6 | 2.9 | 97.1 | 1.6 |
| Vast AR37 | 7 | 86.6 | 3.7 | 94.2 | 2.8 | 101.1 | 3.6 | 101.3 | 3.8 | 94.6 | 4.8 | 96.8 | 2.6 |
| AberGain AR1 | 12 | 95.1 | 2.8 | 102.9 | 2.2 | 99.1 | 2.8 | 93.9 | 2.9 | 78.2 | 3.7 | 96.7 | 2.0 |
| Excess AR1 | 4 | 99.7 | 4.8 | 96.6 | 3.6 | 97.7 | 4.7 | 94.9 | 4.9 | 97.4 | 6.2 | 96.5 | 3.4 |
| AberGreen WE | 3 | 93.0 | 5.5 | 112.4 | 4.2 | 96.4 | 5.4 | 88.8 | 5.7 | 63.9 | 7.2 | 96.5 | 4.0 |
| Base AR1 | 4 | 96.7 | 4.8 | 98.7 | 3.6 | 93.9 | 4.7 | 92.2 | 4.9 | 101.6 | 6.2 | 95.7 | 3.4 |
| Nui SE | 21 | 102.1 | 2.2 | 95.3 | 1.6 | 88.0 | 2.1 | 90.0 | 2.2 | 88.4 | 2.8 | 92.3 | 1.5 |
| AberMagic WE | 4 | 83.1 | 4.8 | 109.8 | 3.6 | 89.5 | 4.7 | 84.9 | 5.0 | 57.9 | 6.2 | 90.5 | 3.4 |
| Mean (kg DM/ha) | | 1918 | | 3467 | | 3939 | | 2677 | | 972 | | 12966 | |

NFVT Summary 1991 - 2025 (September 2025). Tetraploids are shaded green.
If two means differ by more than the sum of their significant intervals (LSI), they are significantly different at the 5% level.

## Get your rockstar ryegrass

| 4FRONT PERENNIAL RYEGRASS | MAXSYN PERENNIAL RYEGRASS | ARRAY PERENNIAL RYEGRASS | FORGE HYBRID RYEGRASS |
|---|---|---|---|
| Top tetraploid perennial. | Highest yielding diploid perennial. | High yield, upright, N uptake. | Highest yielding hybrid ryegrass *(National NFVT 2025)* |

## Maximise feed quality

Feed quality has been tested in two specific NFVT trials. This was done over two years in the Waikato and Canterbury (irrigated) under good pasture management, and the South Island results are presented. These independent results show three key things:

1. Tetraploids have on average 0.2 ME better feed quality than diploids.
2. Under good management differences between diploid cultivars are small.
3. Management is king! Differences of 1-2 ME can occur on farm due to grazing.

## Management

Key to maximising feed quality on farm is the three rules of grazing:

1. Graze at the 2.5-3 leaf stage
2. Graze to consistent, even residual
3. Repeat 1 & 2

Feed quality is set up (or not) the day you shift stock out of a paddock.

## Canterbury NFVT Nutritive Value

**Metabolisable Energy (MJ ME/kgDM) of perennial ryegrass cultivars, Mean of Two Years***

| Entry | Winter | | Early Spring | | Late Spring | | Summer | | Autumn | |
|---|---|---|---|---|---|---|---|---|---|---|
| AberGain AR1 | 11.9 | a | 12.7 | ab | 12.7 | a | 12.7 | a | 12.2 | ab |
| 4front NEA2 | 11.6 | ac | 12.7 | ac | 12.5 | b | 12.6 | ab | 12.4 | a |
| Forge NEA2 | 11.5 | bg | 12.7 | ab | 12.5 | bd | 12.5 | ae | 12.2 | ac |
| AberGreen AR1 | 11.8 | ab | 12.5 | bf | 12.4 | bd | 12.6 | ab | 12.1 | bf |
| Avatar NEA | 11.6 | ae | 12.7 | ac | 12.4 | bd | 12.5 | bg | 12.2 | ab |
| AberMagic AR1 | 11.6 | bf | 12.8 | a | 12.3 | bf | 12.5 | ad | 12.2 | bd |
| Base AR1 | 11.6 | bf | 12.6 | ae | 12.5 | bc | 12.4 | bh | 12.1 | bg |
| Base AR37 | 11.6 | bf | 12.7 | ad | 12.4 | be | 12.5 | af | 12.1 | bg |
| Platform AR37 | 11.6 | ac | 12.5 | bf | 12.3 | cg | 12.3 | dj | 12.1 | be |
| Vast AR37 | 11.5 | ci | 12.5 | bf | 12.3 | cg | 12.4 | ci | 12.0 | dj |
| RGT Hustle AR1 | 11.5 | ci | 12.5 | bg | 12.3 | dj | 12.2 | im | 12.0 | di |
| Array NEA2 | 11.4 | cj | 12.4 | fj | 12.3 | ek | 12.6 | ac | 11.9 | hk |
| Matrix SE | 11.4 | cj | 12.5 | cg | 12.4 | be | 12.2 | hl | 11.9 | hk |
| Platform AR1 | 11.6 | ad | 12.4 | ei | 12.3 | bh | 12.0 | kn | 11.9 | gk |
| Rohan NEA2 | 11.2 | jk | 12.6 | be | 12.2 | em | 12.2 | gm | 12.0 | ch |
| Legion AR37 | 11.3 | hk | 12.5 | bf | 12.2 | fm | 12.3 | hl | 12.0 | dj |
| Reason AR37 | 11.4 | ci | 12.2 | ij | 12.1 | in | 12.4 | bh | 11.9 | gk |
| SF Moxie AR1 | 11.3 | dk | 12.4 | ei | 12.3 | ci | 12.0 | kn | 11.9 | hk |
| Tyson NEA4 | 11.5 | ch | 12.4 | eh | 12.0 | n | 12.3 | dl | 11.9 | dk |
| One50 AR1 | 11.3 | fk | 12.4 | eh | 12.2 | em | 12.1 | jn | 11.8 | hk |
| Legion AR1 | 11.2 | jk | 12.4 | ei | 12.2 | el | 12.3 | gk | 11.8 | hk |
| Excess AR37 | 11.4 | cj | 12.2 | j | 12.2 | em | 12.3 | gl | 11.9 | hk |
| Governor AR1 | 11.3 | hk | 12.5 | dg | 12.1 | ln | 12.2 | hl | 11.9 | hk |
| Maxsyn NEA4 | 11.3 | fk | 12.4 | fj | 12.2 | fm | 12.2 | im | 11.8 | k |
| One50 WE | 11.3 | gk | 12.4 | eh | 12.2 | fm | 12.0 | n | 11.9 | hk |
| Governor AR37 | 11.3 | dk | 12.3 | hj | 12.1 | mn | 12.1 | ln | 11.9 | gk |
| One50 AR37 | 11.2 | ik | 12.3 | gj | 12.1 | hn | 12.1 | kn | 11.7 | k |
| Sequel SE | 11.1 | k | 12.2 | ij | 12.1 | ln | 12.0 | mn | 11.8 | k |
| Trial Mean | 11.4 | | 12.5 | | 12.3 | | 12.3 | | 12.0 | |
| CV% | 2.6 | | 2.3 | | 1.7 | | 2.2 | | 2.0 | |
| LSD 5% level | 0.3 | | 0.2 | | 0.2 | | 0.2 | | 0.2 | |
| F Test | *** | | *** | | *** | | *** | | *** | |

*National Forage Variety Trials (NFVT) run at Yaldhurst, Canterbury measured over 2 years. Trial included 36 entries, with non-commercial lines omitted as required by the NZPBRA. Statistical LSD (5%) lettering given; where yields have the same letter there is no statistically difference between them.

## Quality x Quantity

Results in animal performance come from this. Every bite stock take needs to be high quality. To achieve this seed genetics and grass management both contribute. To maximise results combine high yielding cultivars with total ME values, and manage them well, to give you an overall ME/ ha advantage.

** 2025 Pasture & Forage Manual page 84. ** Meta-statistical analysis of the NFVT system, shows trial yield results in all regions South Of Taupo are not statistically different, so can be legitimately combined.*