

## Highest total yield

Maxsyn is the next generation in perennial ryegrass, with the highest yield of any perennial ryegrass we've released.

## 1 + 1 = 3

Maxsyn and NEA4 together add up to more than their parts. This combination is showing excellent persistence in the field under a range of real-life pressures including moisture stress, heat, insects and overgrazing, at times all at once.

## Excellent animal performance

Well managed Maxsyn is high in ME (12.0+ MJME/kg DM). Feedback from farmers is that stock like it, and it holds a good clover content.

NEA4 endophyte provides excellent stock performance, rated the maximum 4 Stars for animal performance in industry endophyte tables. For more detail visit [www.barenbrug.co.nz](http://www.barenbrug.co.nz).

## NEA4 = wide spectrum insect control

Maxsyn and NEA4 together provide good control of black beetle, as well as both adult feeding and egg laying in Argentine stem weevil. NEA4 also gives moderate control of root aphid. For more detail visit [www.barenbrug.co.nz](http://www.barenbrug.co.nz).

## Very low chance of staggers

For dairy cows and beef cattle, Maxsyn NEA4 provides ryegrass staggers free pasture.

For sheep and deer, ryegrass staggers grazing NEA4 endophyte is a very low risk. In an extreme situation, (e.g. summer drought where animals are forced to graze close to the ground), a low level of staggers might possibly be seen. For more visit our website [www.barenbrug.co.nz](http://www.barenbrug.co.nz).

## Suggested seed mixes

Maxsyn's features mean it can improve farm systems in a range of situations.

Dairy		kg/ha
Top performing persistent dairy pasture.	Maxsyn perennial ryegrass	18-22
	Kotuku white clover	2
	Weka white clover	2
	Total	22-26

Dairy		kg/ha
For highly palatable pasture with easier management. Captain cool season (CS) plantain to reduce N leaching.	Viscount tetraploid perennial ryegrass*	15
	Maxsyn perennial ryegrass	10
	Kotuku white clover	2
	Weka white clover	2
	Captain CS plantain	2
	Total	31

Sheep, Beef, Deer		kg/ha
Top performing, persistent pasture.	Maxsyn perennial ryegrass	16-20
	Weka white clover	2
	Apex white clover	2
	Safin cocksfoot	3
	Total	23-27



facebook.com/BarenbrugNZ



@BarenbrugNZ

[barenbrug.co.nz](http://barenbrug.co.nz)

0800 449 955

# Maxsyn NEA4

## Next Gen pasture

 **BARENBRUG**

Maxsyn NEA4 is the next level in perennial ryegrass – persistent, densely tillered, with superior summer and autumn growth, plus a great endophyte.

Our R&D team strive to breed what farmers want. Performance is important, but farmers have told us what's critical is persistence. *Maxsyn NEA4* achieves both.

It's persisted extremely well across regions, soil types and grazing systems over its 14 year development, through heat and erratic weather patterns that now seem to be part of life. It's densely tillered, with superior summer growth and tillering, which helps it persist, and has the highest yield of any perennial ryegrass we've released.

### Shines in summer

*Maxsyn's* strength is its warm season growth. It is easier to graze in spring (encouraging new daughter tillers) and has strong summer tillering, helping it persist.

Summer is a time most farm systems are short of feed, so extra pasture is highly valued. Visually you can see the difference, with *Maxsyn* holding its green colour longer into hot summer conditions.



*Maxsyn NEA4* strip (C) showing its summer advantage in Taranaki, February 2019.



*Maxsyn NEA4* the middle green strip in the dry, Canterbury, January 2020.

### 5 Star Nationwide in FVI

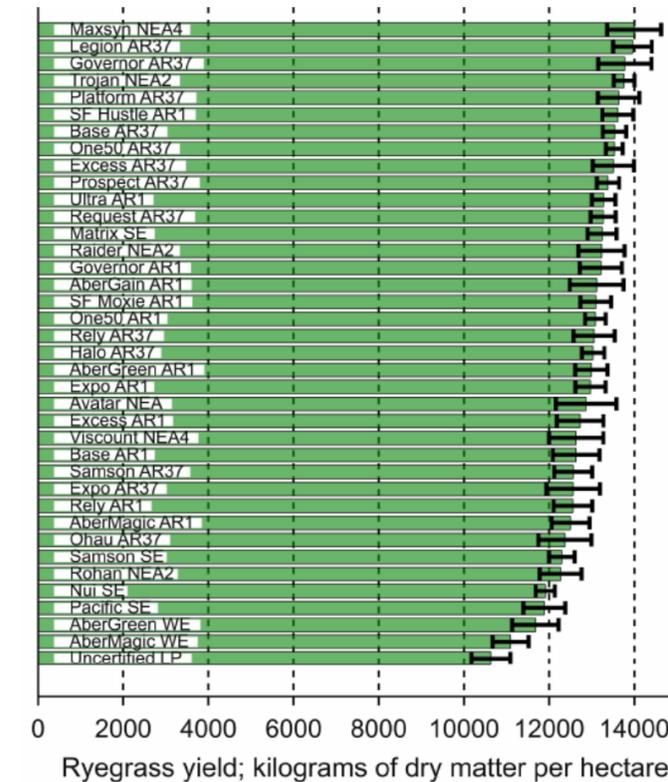
*Maxsyn* has a top 5 Star rating in the 2021 DairyNZ Forage Value Index, across all regions. It delivers a predicted average \$512/ha extra operating profit (range \$423-\$605 depending on region). For more detail visit [www.dairynz.co.nz](http://www.dairynz.co.nz)



### Unbeaten in NFVTs

*Maxsyn's* unbeaten in the 2020-21 industry National Forage Variety Trials (NFVT) for total yield across in all New Zealand trials.

"All New Zealand Trials - Total Yield"



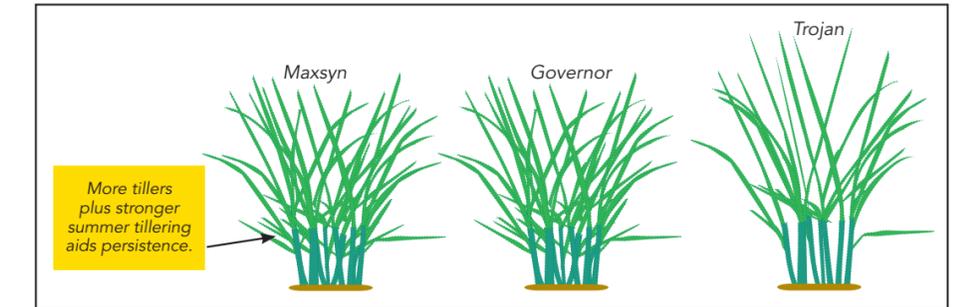
### Superb pedigree

*Maxsyn* started as a cross between elite *Alto* and *Arrow* ryegrass plants, with the best progeny then rigorously selected to become the 'best of the best'.

It's strong lineage is reflected in its name, which harks back to *Bronsyn*, the best-selling perennial ryegrass in the 2000s; and *Yatsyn 1*, the original game-changer.

### Bred tough

The more tillers a pasture has, the more robust and persistent it is. *Maxsyn* is denser than *Trojan*, and similar to *Governor* ryegrass.



### System fit

*Maxsyn NEA4* will enhance both dairy and red meat systems. Summer and autumn growth reduce purchased feed in dairy systems. For sheep and beef systems extra feed is critical to get through summer, finish stock, and set up winter.

*Maxsyn* also has a good fit environmentally:

- Strong persistence = less renewal, soil degradation, diesel
- Fast establishment = suits minimum till sowing
- Extra summer and autumn growth = less risk of overgrazing and bare soil
- Extra total DM = less imported feed