



Array Perennial Ryegrass

Pasture Grasses

Endophyte

NEA2, LE

Stock Type

Dairy, Sheep, Beef, Deer

Array NEA2 is our superstar, bred for the good of both your animals, and the environment. Delivering a unique mix of high intake, yield, nitrogen uptake and persistence, this is the diploid of the future.

Easy to eat

Array is the perennial ryegrass hard-working ruminants have been hoping for. Upright, leafy and densely tillered, it's customised for easy eating and high intake.

Chomping through thousands of bites every day demands a lot of physical energy! *Array* takes some of the effort out of this process, because it stands tall and literally puts itself closer to those hungry mouths.

Your animals will naturally eat more as a result, and have more time to relax, ruminate and produce meat or milk. That's better for them, and for you too.

Eats N for breakfast

In trials, *Array* has grown significantly more feed under low nitrogen conditions than other ryegrass cultivars.



Drone photo of six leading cultivars in a low nitrogen trial. Array (second from left) was greener, grew more, demonstrating its ability to extract more nitrogen from the soil.

What does this mean for you? First, more even pasture growth at times when soil nitrogen is deficient, something that happens on virtually every farm during the year. Second, a win for the environment, because you have the potential to utilise nitrogen more efficiently.

Great cool season growth

Array has the best cool season growth of any perennial ryegrass we've bred. That helps fill the gap when feed is short, and makes your farm more resilient so you can adapt to shifting climatic patterns.

Very persistent

Keep your diesel in the tank, and leave your soil undisturbed, because Array has our highest ranking for pasture persistence. It's every bit as good as *Maxsyn*.

Happy, healthy animals

Array keeps animals happy and healthy with leafy, high energy grazing and a very late heading date (+23 days). For dairy cows and beef, Array provides ryegrass staggers free pasture. For sheep and deer, there is a very low risk of ryegrass staggers when grazing NEA2 endophyte.

Get your eye in

You will see Array pastures look different, very dense but erect. This can initially deceive some farmers, as Chris Knowles of Tariki explains.



"Next to a paddock of Governor AR37, if you shut them both up at the same time, it looks the same length, but because it's so dense there is close to 20% more pasture there."

Two seasons and many more hectares of Array later, they've embraced the difference, making sure the cows go in four to five days earlier each time.

It's a small change to capture what Array has to offer, Chris says, and he's '*definitely*' happy to continue with it.

He estimates his *Array* paddocks are growing 20% more than his other pastures.

Sowing Array

Dairy and cattle systems		kg/ha
High intake permanent pasture	<i>Array</i> perennial ryegrass	18-22
	<i>Ruru</i> medium leaved white clover	2
	<i>Kotuku</i> large leaved white clover	2
	Total	22-26
Dairy and cattle systems		kg/ha
Performance plus extra palatability and reduced nitrogen leaching	<i>Array</i> perennial ryegrass	10
	<i>4front</i> tetraploid perennial ryegrass	15*
	<i>Ruru</i> medium leaved white clover	2
	<i>Kotuku</i> large leaved white clover	2
	<i>Captain CS</i> plantain	2
	Total	31
Sheep and beef systems		kg/ha
Productive, efficient red meat pastures	<i>Array</i> perennial ryegrass	16-20
	<i>Ruru</i> medium leaved white clover	2
	<i>Apex</i> small leaved white clover	2
	<i>Redefine</i> cocksfoot	2-4
	Total	22-28

* Tetraploids are sown at a higher rate than diploids, because of their larger seed.

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