

Proven Pasture Solutions

Driving on-farm productivity



CROPMARKSEEDS
Driving Productivity™

Freephone: 0800 427 676

www.cropmarkseeds.com

Cropmark
Avatar

Tetraploid Perennial Ryegrass



**TETRAPLOID QUALITY,
EXCEPTIONAL PERFORMANCE**



DESCRIPTION

Avatar NEA is a very high yielding, very late heading tetraploid perennial ryegrass containing the NEA endophyte.

It has been bred for a combination of improved animal safety and persistence against insect pests, and has strong year-round growth performance. It is well suited for high performance systems for delivering high livestock productivity.

PERFORMANCE

Avatar NEA is displaying outstanding yield performance in all trials it has been entered into around NZ.

BENEFITS

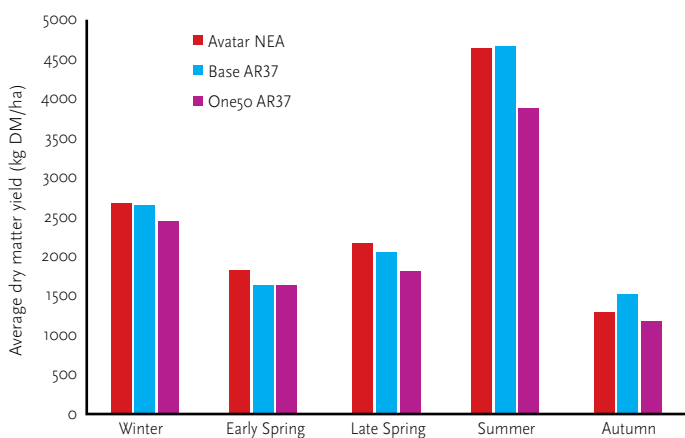
- ▶ An outstanding tetraploid perennial ryegrass containing the NEA endophyte
- ▶ Very high dry matter production
- ▶ High metabolisable energy and digestibility
- ▶ Excellent palatability
- ▶ Very late heading to maintain pasture quality for longer into spring
- ▶ Low aftermath heading - returns to vegetative state quickly
- ▶ Very good persistence
- ▶ Ideal for sheep and cattle

AGRONOMIC TRAITS

PLOIDY	Tetraploid
HEADING DATE	Very late
PERSISTENCE (years) *	5+
RUST RESISTANCE **	8
WINTER ACTIVITY	High
SOWING RATE (kg/ha)	25-30

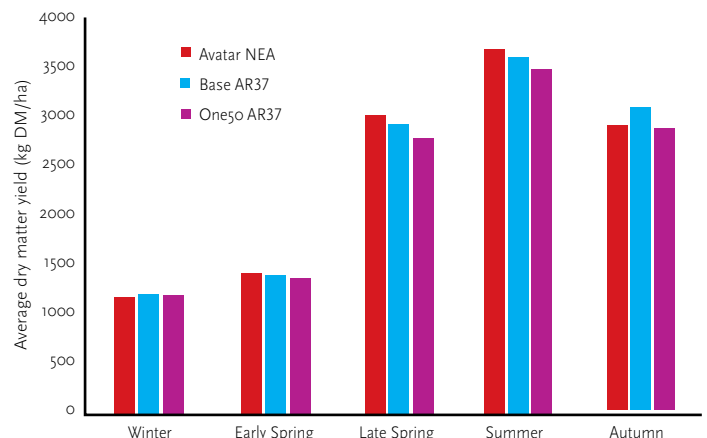
* Subject to management and climatic conditions
** 1 = Susceptible 9 = Resistant

AVERAGE SEASONAL DM YIELD OVER 3 YEARS IN WAIKATO



Notes: Cropmark Seeds Waikato yield evaluation trial under non-irrigated management at Ngatea. The replicated plot trial was sown in Autumn 2017. Statistical analysis was performed using 18 varieties.

AVERAGE SEASONAL DM YIELD OVER 3 YEARS IN CANTERBURY



Notes: Cropmark Seeds Canterbury yield evaluation trial under centre pivot irrigation at Hororata. The replicated plot trial was sown in Autumn 2017. Statistical analysis was performed using 18 varieties.

Cropmark

Raider NEA2
Perennial Ryegrass

THE PERSISTENT PERENNIAL RYEGRASS

DESCRIPTION

A persistent and high yielding diploid perennial ryegrass. Contains the NEA2 endophyte for good insect pest control, including black beetle, Argentine stem weevil and pasture mealybug. It is late heading, has low aftermath heading, is rugged and dependable.

WHERE IT FITS:

Raider NEA2 is well suited for farmers wanting both high performance and strong persistence under trying farming conditions. It is suited for sowing throughout the country in areas that have pressure from insect pests such as black beetle, Argentine stem weevil and pasture mealybug. Suitable for use with cattle and sheep.

BENEFITS

- ▶ High yielding across all seasons; including strong cool season growth
- ▶ Very strong persistence relative to competitor varieties in industry trials
- ▶ Bred for improved animal safety
- ▶ Can be used anywhere throughout New Zealand
- ▶ Excellent disease resistance
- ▶ Available with NEA2 or without endophyte

AGRONOMIC TRAITS

PLOIDY	Diploid
HEADING DATE	Late
PERSISTENCE (years) *	5+
SOWING RATE (kg/ha)	18-20
SOWING DEPTH (cms)	1-2
SOWING DATES	Autumn & Spring

* Subject to management and climatic conditions

CROPMARK SEEDS PERENNIAL RYEGRASS YIELD EVALUATION TRIAL, BURNHAM (SOWN 2018) (HUNDREDIZED YIELD RESULTS COMPARED TO MEAN)

Variety	Autumn	Winter	Early Spring	Late Spring	Summer
Raider NEA2	107	102	107	106	100
Trojan NEA2	99	101	104	105	106
One50 AR37	93	93	96	100	98
Mean (%)	100	100	100	100	100
Mean (kg/ha)	2,188	836	2,231	3,192	4,359
LSD (5%)	193	99	193	262	471
CV (%)	6	8	6	6	8

Note: Breeding lines omitted from trial results

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DESCRIPTION

Ultra Enhanced® perennial ryegrass is a fine leaved, very densely tillered, late heading diploid cultivar. **Ultra combines the best traits of its parents - the high levels of pasture production from perennial ryegrass, coupled with the feed quality attributes of meadow fescue.**

WHERE IT FITS

Containing the AR1 endophyte or low endophyte, Ultra is safer for livestock and can be used with all livestock types.

AR1: Suitable for use as a high performing permanent pasture under rotational grazing or set stocking in high rainfall, irrigated and dryland systems, particularly where Argentine stem weevil is a major pasture pest.

LOW ENDOPHYTE: Suitable to use in cooler, wetter regions where insect pressure is minimal.

BENEFITS

- ▶ Consistently high yielding across seasons, years and regions
- ▶ Produces high winter and early spring feed
- ▶ Later heading to maintain pasture quality longer into spring
- ▶ Strong disease tolerance leading to improved palatability and growth potential
- ▶ Animal safe (AR1 endophyte won't cause grass staggers or heat stress)

AGRONOMIC TRAITS

PLOIDY	Diploid
HEADING DATE	Late
PERSISTENCE (years) *	5+
RUST RESISTANCE **	9
WINTER ACTIVITY	High
SOWING RATE (kg/ha)	18-20

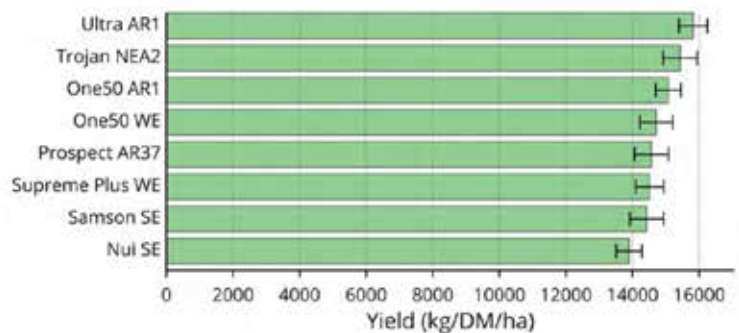
* Subject to management and climatic conditions

** 1= Susceptible 9 = Resistant

NFVT® 2022 SUMMARY



Perennial Ryegrass
Lower South Island | Total Yield





DESCRIPTION

Matrix is a thoroughly proven, high performing and uniquely different Enhanced[®] perennial ryegrass variety with perennial ryegrass and meadow fescue parentage. It produces high metabolisable energy and highly digestible feed with very high year-round yields, strong winter / early spring activity, and is very late heading.

WHERE IT FITS:

Matrix is suited to areas where insect pest pressure is high and in situations where added persistence of ryegrass is needed. Can be used as a straight sward or for undersowing into existing run-out pasture to reinvigorate it.

BENEFITS

- ▶ Thoroughly proven and reliable
- ▶ Strong year-round yield performance
- ▶ Excellent persistence
- ▶ Fast recovery after droughts
- ▶ Available with standard endophyte (SE) or without endophyte

AGRONOMIC TRAITS

PLOIDY	Diploid
HEADING DATE	Late
PERSISTENCE (years) *	5+
RUST RESISTANCE **	8
WINTER ACTIVITY	High
SOWING RATE (kg/ha)	18-20

* Subject to management and climatic conditions
 ** 1= Susceptible 9 = Resistant



Argentine Stem Weevil



Black Beetle adults



MATRIX SE IS TOLERANT OF ARGENTINE STEM WEEVIL AND BLACK BEETLE

New

Cropmark
Frenzy
Hybrid Ryegrass



THE OVER-SOWING SPECIALIST



The **NEW** game changing hybrid ryegrass

DESCRIPTION

Frenzy is a new, very high yielding tetraploid hybrid (short rotation) ryegrass containing the NEA endophyte.

Frenzy is extremely fast establishing with strong cool season growth and year-round yields.

Its very fast establishment makes it ideally suited for stitching into old or run-out pastures or for use as a short term (2-3 years) specialist pasture.

BENEFITS

- ▶ Frenzy is the only 5 star ranked cultivar in the DairyNZ Forage Value Index for 12-Month feed
- ▶ An outstanding 2-3 year short rotation ryegrass
- ▶ Unrivalled speed of establishment compared to other cultivars trialled
- ▶ Improved year-round yields with very strong autumn-winter growth
- ▶ Ideally suited for stitching into old or run-out pastures.
- ▶ Very good persistence and palatability
- ▶ Excellent livestock performance

AGRONOMIC TRAITS

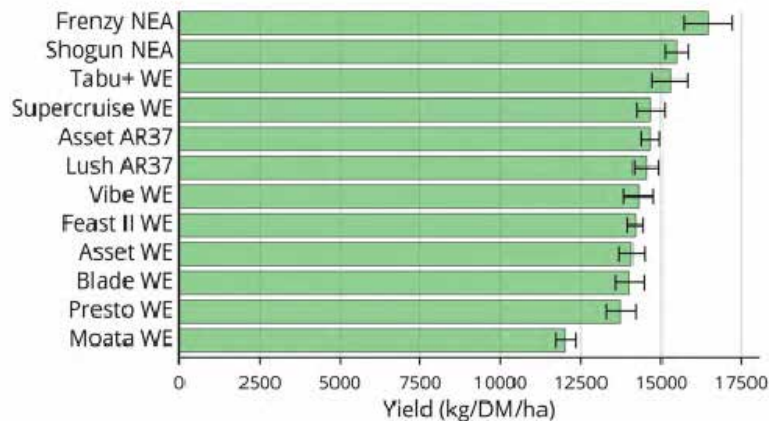
PLOIDY	Tetraploid
HEADING DATE	Late
PERSISTENCE (years) *	2-3+
RUST RESISTANCE **	9
SOWING RATE (kg/ha)	PURE SWARD: 25-30 OVERSOWING: 10-15

* Subject to management and climatic conditions
** 1= Susceptible 9 = Resistant

NFVT® 2022 SUMMARY



Italian Ryegrass
All New Zealand | Total Yield



Cropmark
Appeal
Italian Ryegrass



THE HIGH YIELDING,
VERY LATE HEADING ITALIAN RYEGRASS



DESCRIPTION

Appeal is a very persistent and very high yielding diploid Italian ryegrass. It has been developed from a 'persistence pool' of Cropmark's Italian ryegrass breeding programme.

Appeal has shown consistently high yield performance in trials around New Zealand, with fast establishment, high winter-early spring production, and an ability to hold on well over the summer, even under moderate insect pressure.

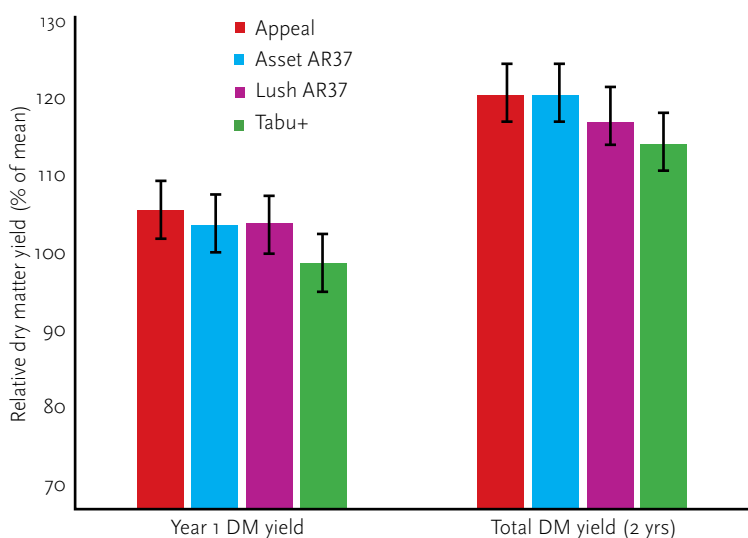
Appeal is late heading, enabling it to maintain forage quality for longer into summer. With low aftermath heading, it returns quickly to vegetative state, enabling higher livestock performance potential.

AGRONOMIC TRAITS

PERSISTENCE (months) *	18-30
HEADING DATE	Late
SOWING RATE (kg/ha)	20-25
RUST RESISTANCE **	9
AFTERMATH HEADING	Low
MIN RAINFALL (mls)	450+

* Subject to management and climatic conditions
** 1 = Susceptible 9 = Resistant

PERSISTENCE OF DM YIELD OVER 1 AND 2 YEARS AT BURNHAM



BENEFITS

- ▶ Very persistent, even under harsh management conditions
- ▶ Bounces back from hard grazings well
- ▶ Consistently high yield performance
- ▶ Safer to animals - won't cause grass staggers or heat stress
- ▶ Later heading for carrying pasture quality longer into spring
- ▶ Very palatable
- ▶ Ideal for use as a short term, high quality feed, or for over-sowing into damaged or run-out pastures to extend their life
- ▶ Can be spring or autumn sown and is suitable for all livestock types

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PERMANENT PASTURE MIXES

Cropmark Pasture Packs contain Mantra large leaf and Demand medium leaf white clovers and are available as Freshcote treated seed. They are sold in 25kg bags.

Cropmark
Platinum Dairy
Pasture Pack

One hectare pasture pack. 25kg/ha

A premium certified seed mix including late flowering diploid proprietary perennial ryegrasses with novel endophyte and large and medium leaf proprietary white clovers.

Cropmark
Platinum Performance
Pasture Pack

One hectare pasture pack. 25kg/ha

A premium certified seed mix including late flowering diploid and tetraploid proprietary perennial ryegrasses with novel endophyte and large and medium leaf proprietary white clovers.

Cropmark
Platinum Persistence
Pasture Pack

One hectare pasture pack. 25kg/ha

A premium certified seed mix including late flowering diploid proprietary perennial ryegrass with standard endophyte and large and medium leaf proprietary white clovers.

Cropmark
Platinum Sheep & Beef
Pasture Pack

One hectare pasture pack. 25kg/ha

A premium certified seed mix including late flowering diploid proprietary perennial ryegrasses with novel endophyte and medium leaf proprietary white clover.

Custom blending

You can create your own unique custom blend of Cropmark Seeds products to meet your specific requirements and drive on-farm productivity

SEED IS AVAILABLE THROUGH YOUR LOCAL FARM MERCHANDISE OUTLETS AND RETAILERS



UPPER NORTH ISLAND
James Bryan
027 235 4989



LOWER NORTH ISLAND
Matt Kidby
027 230 1783



UPPER SOUTH ISLAND
Liam Martin
027 555 6813



LOWER SOUTH ISLAND
Charlotte Field
027 236 5552

NZ OWNED