

Autumn 2023

PROVEN FORAGE SOLUTIONS



CROPMARK SEEDS AUSTRALIA PTY LTD

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www.cropmarkseeds.com

CROPMARKSEEDS
Driving Productivity™

New

Cropmark

Frenzy
Hybrid Ryegrass



THE OVER-SOWING SPECIALIST



*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 pastures.*

THE ONLY 5 STAR RATED VARIETY IN THE DAIRYNZ FORAGE VALUE INDEX FOR ITALIAN RYEGRASS

AGRONOMIC TRAITS

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

* Subject to management and climatic conditions

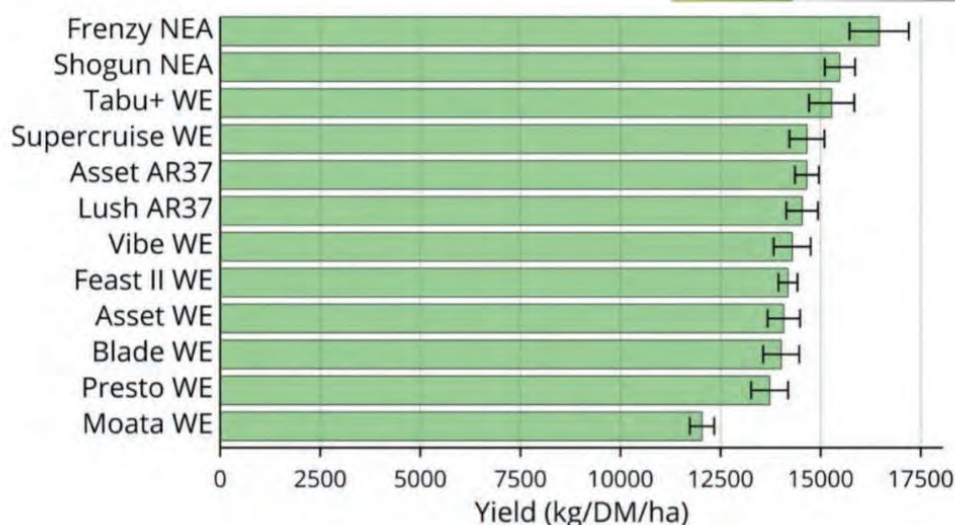
** 1= Susceptible 9 = Resistant

NFVT® 2022 SUMMARY



Italian Ryegrass
All New Zealand | Total Yield

365
Days



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BENEFITS

- ▶ 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 over-sowing into old or run-out pastures.
- ▶ Very good persistence and palatability
- ▶ Excellent livestock performance potential
- ▶ 5 Star rated in the DairyNZ FVI

Frenzy - The **NEW** game changing hybrid ryegrass



Cropmark
Matrix
Enhanced® Ryegrass



THE BENCHMARK FOR PERFORMANCE AND PERSISTENCE



**THOROUGHLY PROVEN PERFORMANCE ON AUSTRALIAN FARMS -
OVER 175,000 HECTARES SOWN TO DATE**

Matrix is the benchmark for production and performance on Australian dairy farms. Matrix offers the benefits of high yield, high pasture quality and strong persistence and displays reliable performance year after year. Don't risk your pasture renovation - sow Matrix.

PERFORMANCE:

Matrix shows superior yield results across seasons, years and regions, with particularly strong growth rates over winter and early spring.

It has been shown to have high ME content, digestibility and persistence and is very palatable to stock.

BENEFITS

- ▶ Thoroughly proven high yield performance across seasons years and regions
- ▶ Very high winter, early spring growth
- ▶ High pasture quality (ME, digestibility)
- ▶ High palatability and strong livestock preference
- ▶ Late heading for carrying pasture quality longer into spring
- ▶ Fast re-growth response after droughts

WHERE IT FITS:

Matrix is ideally suited for use on high performance dairy, beef or sheep farms in regions which receive 650+mls rainfall, or are irrigated. Ideal for farmers for whom production and persistence is important.

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



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New

Cropmark

Appeal

Italian Ryegrass



THE HIGH YIELDING PERSISTENT ITALIAN RYEGRASS



Appeal is a very persistent and very high yielding diploid Italian ryegrass.

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

Appeal produces high quality forage, of high nutritive value, high digestibility and high palatability. In addition it has strong disease resistance including against rust, resulting in improved animal acceptance.

BENEFITS

- ▶ Consistently high yield and cool season performance
- ▶ Very persistent, even under harsh management conditions
- ▶ Bounces back from hard grazings well
- ▶ Won't cause grass staggers or heat stress
- ▶ Late heading for carrying pasture quality longer into spring
- ▶ Ideal for use as a short term, high quality feed, or for over-sowing into damaged or run-out pastures

AGRONOMIC TRAITS

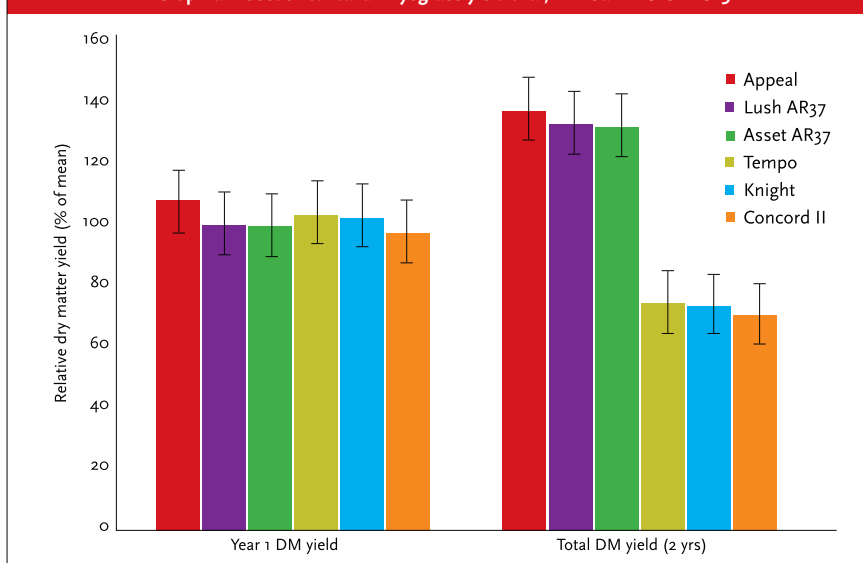
PERSISTENCE (months) *	18-30
HEADING DATE	Late
SOWING RATE (kg/ha)	20-25
RUST RESISTANCE **	9
AFTERMATH HEADING	Low
MIN RAINFALL (mls)	450+

* Subject to management and climatic conditions

** 1= Susceptible 9 = Resistant

PERSISTENCE OF DRY MATTER YIELD OVER 1 AND 2 YEARS

Cropmark Seeds Ltd Italian Ryegrass yield trial, Ellinbank 2018 - 2019





A fine leaved, very densely tillered and late heading diploid Italian ryegrass with very fast establishment and re-growth, very strong growth over all seasons and very good persistence.

Sonik is particularly noted for its strong autumn-winter growth activity and reliable performance and has very soft, lush highly digestible leaves.

WHERE IT FITS

Recommended for use with all high performance systems and livestock types (sheep, cattle, horses, deer, goats and alpacas) as a specialist short term (1-2 year) pasture, or for over-sowing into run-out or damaged pastures to extend their life.

PERFORMANCE

Sonik has proven reliable and strong yield performance in seed industry trials. But more importantly, it has been proven year after year on farms around the country as a high yielding short rotation ryegrass that handles harsh conditions and grazing management.

BENEFITS

- ▶ Rapid establishment
- ▶ High yields across seasons
- ▶ High ME and digestibility for increased livestock performance
- ▶ Highly palatable
- ▶ Very densely tillered, promoting improved persistence
- ▶ Suitable for short term pastures (1-2) or over-sowing



AGRONOMIC TRAITS

PERSISTENCE (months) *	12-18+
HEADING DATE	Late
SOWING RATE (kg/ha)	20-25
RUST RESISTANCE **	9
WINTER ACTIVITY	High
GROWTH PEAK	Autumn - Spring

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





Zoom™ is a specialist tetraploid annual ryegrass for winter feed and hay/silage crops. Its rapid establishment, higher yields and improved persistence gives you more feed, for longer.

WHERE IT FITS:

Zoom™ is a specialist winter feed for sowing in autumn, grazing over winter and shutting up for silage / hay in spring prior to sowing a summer crop. It is suited to areas with 500+mls rainfall or irrigated properties, and for use with all livestock types.

BENEFITS

- ▶ Thoroughly proven under Australian conditions
- ▶ Rapid establishment
- ▶ Exceptional autumn, winter, spring yields
- ▶ High pasture quality, for longer into spring
- ▶ Highly palatable to livestock
- ▶ Potential of multiple grazings plus a cut of silage or hay
- ▶ An ideal break crop between brassicas and other crops

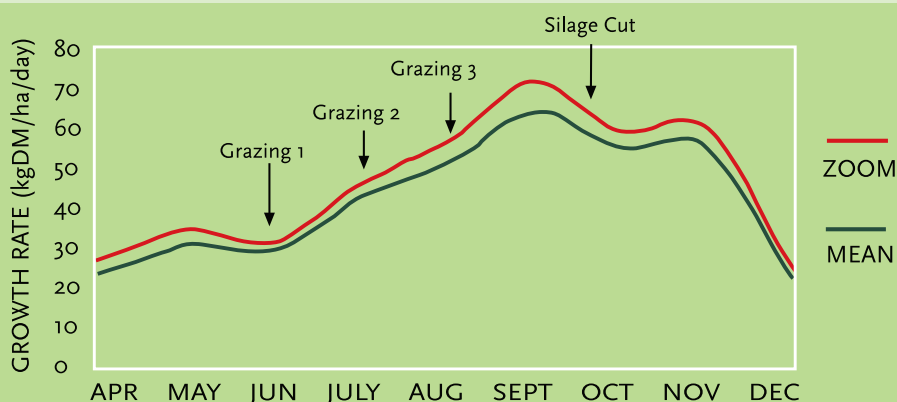
AGRONOMIC TRAITS

PERSISTENCE (months) *	8-10
HEADING DATE	Late
SOWING RATE (kg/ha)	25-30
RUST RESISTANCE **	9
WINTER ACTIVITY	High
GROWTH PEAK	Autumn - Spring

* Subject to management and climatic conditions

** 1= Susceptible 9 = Resistant

GROWTH RATE OF ZOOM ANNUAL RYEGRASS FROM 6 SITES



PERFORMANCE:

Zoom™ has shown consistently high performance in trials and on farms across Victoria, NSW, Tasmania and South Australia. Key features to note are its fast establishment, high yield performance over autumn, winter and spring, and its high pasture quality (metabolisable energy and digestibility).





A fast establishing, high yielding tetraploid annual ryegrass with big bold leaves. Quick out of the ground, rapid re-growth and excellent winter growth activity. Holds on well into the spring. Very palatable. Is densely tillered and late heading.

BENEFITS

- ▶ A specialist winter feed which is also great for high quality silage production
- ▶ Very fast establishing
- ▶ Very high winter growth
- ▶ Late heading for carrying pasture quality longer into spring
- ▶ Very palatable
- ▶ Excellent disease resistance

AGRONOMIC TRAITS

PERSISTENCE (months)	8-10*
HEADING DATE	Late
SOWING RATE (kg/ha)	25-30
SOWING DATE	Autumn
MIN RAINFALL	450+

** Subject to management and climatic conditions*

CROPMARK 2018 ANNUAL RYEGRASS YIELD TRIAL ELLINBANK, VICTORIA

Variety	Establishment		Early Spring		Late Spring		Summer		Total	
Dash	484	b	3,031	a	5,119	a	2,674	a	11,420	a
Ascend	554	b	3,215	a	4,932	ab	2,625	a	11,405	a
Hogan WE	603	b	3,027	a	4,640	bc	2,906	a	11,224	a
SF Pinnacle	816	a	3,123	a	4,535	c	2,634	a	11,200	a
Trial Mean	682		3,314		5,233		3,024		12,289	
LSD (5%)	146		273		317		549		873	
CV (%)	15		6		4		13		5	

(Cropmark breeding lines removed from the data set)



LATER HEADING - BETTER LATE SEASON FORAGE QUALITY AND YIELD WHEN IT COUNTS!



A high yielding cocksfoot with good winter activity and mid-season flowering. Vision has a finer stem and leaf form than some cocksfoots but is not excessively dense, allowing good compatability with other grasses and clovers. Improved disease resistance. Well suited to rotational grazing or set stocking.

BENEFITS

- ▶ Strong growth over all seasons
- ▶ Good drought tolerance
- ▶ Excellent persistence
- ▶ Grass grub and porina tolerant
- ▶ Won't cause grass staggers or heat stress
- ▶ Very good disease resistance
- ▶ Good compatibility with ryegrass and clover

AGRONOMIC TRAITS

PERSISTENCE (years) *	5+
SOWING RATE (kg/ha)	MIXES: 1-2 ALONE: 6-8
RUST RESISTANCE **	7
WINTER ACTIVITY	Medium - High
GROWTH PEAK	Spring - Summer

* Subject to management and climatic conditions

** 1= Susceptible 9 = Resistant





A high yielding, very high quality, leafy chicory. Chico has fast establishment, rapid re-growth, strong insect resistance and good drought tolerance.

WHERE IT FITS

Chico can be used as a specialist and flexible multi-graze summer forage crop for maximising summer milk production in dairy cows or for finishing stock in drystock situations. It can also be used as a component of pasture mixes adding extra quality through the summer when other plants come under moisture stress. It is suited for use with sheep, cattle and deer, and can be used throughout the country, particularly in summer-dry regions.

BENEFITS

- ▶ Very high quality, high yielding summer forage crop
- ▶ High in metabolisable energy and minerals
- ▶ Very high livestock performance potential
- ▶ Improved drought tolerance and nutrient uptake due to deep tap root
- ▶ Fast establishing and flexible grazing management
- ▶ Tolerant of brassica insect pests

AGRONOMIC TRAITS

PERSISTENCE (years) *	2-3
SOWING RATE (kg/ha)	MIXES: 1-2 ALONE: 8-10
DIAMONDBACK MOTH RESISTANCE ***	9
WINTER ACTIVITY	Moderate
GROWTH PEAK	Spring - Autumn

* Subject to management and climatic conditions

** 1= Susceptible 9 = Resistant

COMPETITOR VARIETY (LEFT) VS CHICO (RIGHT)





A fast establishing, high yielding, multi-graze giant-type forage rape with strong re-growth potential and good disease resistance.

WHERE IT FITS

Pillar is a modern NZ bred forage rape, developed for our farming conditions. It can be used as a flexible 2-3 graze forage crop when sown in spring for summer or autumn feed. Can be sown in summer and very early autumn for winter feed. Can be sown into failed winter feed crops, depending on previous chemical used. Pillar is suitable for all livestock types and farming systems and is an ideal break crop as part of a re-grassing programme.

BENEFITS

- ▶ Leafy, giant-type multi-graze forage rape
- ▶ Very fast establishing
- ▶ Very high yield potential
- ▶ Very good re-growth potential
- ▶ Good disease resistance
- ▶ Can be sown in spring or autumn
- ▶ Suitable for sheep, cattle and deer

AGRONOMIC TRAITS

SOWING SEASON	Spring or Autumn
MATURITY (days to graze)	90-110
NUMBER OF GRAZINGS *	2-5
SOWING RATE (kg/ha)	3-4
APHID TOLERANCE	Moderate - Good
DISEASE RESISTANCE	Good

** Subject to management and climatic conditions*

RESULTS OF CROPMARK DRYLAND RAPE YIELD TRIAL SOWN DARFIELD 2021 (FIRST CUT)

Cultivar	Yield t/ha DM	LSD
Pillar	8.9	a
Greenland	8.1	ab
Spitfire	8.0	ab
Mainstar	7.2	b
Mean (t/ha)	8.15	
LSD	0.67 - 1.5	
Sig	***	



ABOUT CROPMARK SEEDS



At Cropmark Seeds, our focus is on developing the best forage grass and forage crop varieties.

High performing varieties, with high forage quality which fit your farming system and help drive your farm's productivity and performance.

Our team are all experienced 'mud-on-the-boots' seedsmen with farming interests at our core.

We apply the latest science and technology advances to traditional plant breeding with the aim of delivering increased farm productivity, be it sheep, cattle or dairy farming.

The forage varieties we select from our plant breeding programme are thoroughly trialled on-farm under Australian and New Zealand farming conditions.

Only the best performing varieties are selected for commercialization.

Our experienced agronomists are available to assist you with agronomic advice to get the best from your forage grasses and forage crops.



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