

Autumn 2024

PROVEN
FORAGE
SOLUTIONS



CROPMARK SEEDS AUSTRALIA PTY LTD
Freephone 1800 889 039
www.cropmarkseeds.com


CROPMARKSEEDS
Driving Productivity™

Cropmark
Matrix
Enhanced[®] Ryegrass



The benchmark for performance and persistence

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+mms rainfall, or are irrigated. Ideal for farmers for whom production and persistence is important.

“ I have been using Matrix perennial ryegrass now for about 6 years and have nearly 90% of the home farm in Matrix to date. It is very cost effective, yields well and persists under pressure. My cows milk well off it and maintain excellent condition.

Clint Knight. South West Victoria.

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



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

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New

Cropmark

Frenzy
Hybrid Ryegrass



The over-sowing specialist

Frenzy LE is a new, very high yielding tetraploid hybrid (short rotation) ryegrass.

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

Its unrivalled 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.

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

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



“

We sowed Frenzy ryegrass two years ago and it was exceptionally quick out of the ground, the cows love it and graze it to the boards. We have to keep the Frenzy under control so it doesn't get away on us, it is very quick to respond after grazing too. We had six grazing's and two quality cuts of silage the first year and likewise this season, we are planning on sowing more Frenzy this autumn.

Tim Perrett - Dairy farmer. Kongwak, South Gippsland, Victoria



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 (mms)	500+

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



“

Recently we installed robot milkers and needed to change the way we utilised our pastures, so we started to sow Appeal Italian ryegrass two years ago now. It is quick to establish, high yielding and has great palatability. The cows are performing really well on the Appeal ryegrass. We chose it because of its greater persistence, so there was no waiting the second season when the autumn break hit, we were up and grazing within a few weeks. We have had over 8 grazings in the first season and this second season we have had the same with two cuts of great quality silage. We are currently on an 18 day rotation. The cows simply perform well on it and its very late heading also keeps the quality for longer.

*Tim Morley - Dairy Farmer,
Gormandale, Gippsland, Victoria*



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Cropmark
Zoom™
Annual Ryegrass



SPECIALIST WINTER FEED

The king of annual ryegrasses

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+mms 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



We've been sowing Zoom now for a number of years and it is an important step in our pasture renovation system.

Zoom is quick out of the ground, provides us good grazing over autumn and winter and then gives us plenty of late season quality hay. We use Zoom in the first year of a renovation program to out-compete weeds before we sow down to an Italian ryegrass like Appeal. Once the paddock is cleaned up we then sow a perennial pasture like Vision Cocksfoot or Matrix perennial Ryegrass. The system works well to clean up old pastures and provides us with valuable high quality silage or hay.

*Adam Turnbull - Manager
Tom Groggin Station*



Cropmark
Dash
Annual Ryegrass



Faster establishing high yielding annual ryegrass

A fast establishing, late heading, densely tillered and 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.

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 (mms)	500+

* Subject to management and climatic conditions

“I switched to using Dash annual ryegrass to increase the quality of my silage. The later heading date is important on our country because we sometimes can't get onto the paddocks to cut when the ryegrass is ready. Using Dash extends that ideal cutting window and we have higher quality silage as a result.

James Starling. Limestone Coast SA

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!

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Cropmark
Vision
Cocksfoot



The winter active cocksfoot

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 compatibility 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



This is the first paddock of Vision we sowed in May 2020. The paddock is old river flat country and has really light soil with river rocks underneath. It dries out and heats up and we have struggled to keep perennial grasses in it for more than a couple of years. It was hard to keep ground cover in the paddock. We were constantly battling broad leaf weeds. Since sowing Vision and continuously keeping ground cover we haven't sprayed for weeds since it was sown. The paddock stays green all year round. We've found it palatable to cattle and has turned a difficult paddock into a productive one. In 2021 we sowed another 24ha of Vision at 10kg/ha and the paddock is performing strongly. We will use more Vision as paddocks come out of there renovation phase and are sown down to long term perennial pasture.

**Adam Turnbull - Manager
Tom Groggin Station**



Cropmark
Kainui
Cocksfoot



The more palatable cocksfoot

Cropmark bred cocksfoot which was selected for leaf density and its soft ryegrass-like leaves which provide it with significantly higher palatability. It is high yielding, summer-dry tolerant and has high tiller density, and very good disease tolerance. It is well suited for inclusion in pasture mixes or as a specialist pasture in summer-dry areas.

WHERE IT FITS

Drilled/broadcast: with clover, and/or plantain and chicory as a specialist pasture for summer-dry prone areas at 6-8kg/ha. Alternatively, include 1-2kg/ha of Kainui in mixes with ryegrass, clovers and herbs such as plantain and chicory. Suitable for all livestock types.

BENEFITS

- ▶ Good tolerance of summer-dry conditions
- ▶ Improved winter activity
- ▶ Grass grub and Porina tolerant
- ▶ Won't cause grass staggers or heat stress

AGRONOMIC TRAITS

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

* Subject to management and climatic conditions



We have had persistence issues for years on a sandy rise part of our farm. We just weren't getting production or persistence with perennial ryegrasses of these paddocks and looked to a change of species to see if we could find something that would perform on these soils. We chose Kainui cocksfoot four years ago and it has performed exceptionally well. We haven't lost plant numbers and the cows perform really well on it and smash it to the boards. We sowed the Kainui as a stand-alone at 7kgs/Ha and have set stocked it with our export heifers for four years now. It is a major part of our system now and we will definitely use the Kainui cocksfoot again.

**Ray Patullo - Beef farmer, Lang Lang,
West Gippsland, Victoria**



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Cropmark
Oracle
Plantain



Driving productivity - soils, livestock and farm

A late heading plantain selected for high forage yields under grazing. Oracle exhibits fast establishment with very strong year-round growth, especially over late spring, summer and autumn, with high forage quality. Being late flowering compared to many other plantains, Oracle holds its forage quality for longer into spring.

WHERE IT FITS

Ideal for use as a specialist forage crop, or inclusion in permanent mixtures. Suitable for all livestock types.

BENEFITS

- ▶ A high performance broad-leaf plantain
- ▶ Higher overall dry matter yields
- ▶ Late heading giving livestock greater quality for longer into spring
- ▶ Higher forage quality and mineral content
- ▶ Good drought and heat tolerance

AGRONOMIC TRAITS

PERSISTENCE (years) *	2-3
SOWING RATE (kg/ha)	MIXES: 1-2 ALONE: 8-10
HEADING DATE	Late
FORAGE QUALITY	High
GROWTH PEAK	Spring to Summer

* Subject to management and climatic conditions

The late heading of Oracle (left) vs competitor (right)



Cropmark

Mantra

Large Leafed White Clover



The high yielding large leafed clover

A large leafed, mid-flowering white clover, with high stolon density and a medium growing point to enable better competition with grass in pasture swards. Mantra has high yields with strong winter and early spring growth, very good persistence and good tolerance to sclerotinia. Best suited to rotational grazing.

WHERE IT FITS

White clover is critical for Nitrogen fixation in pastures. Over-sowing existing pastures with Mantra is a good way to boost pasture clover content and improve pasture nutritive value and stock performance.

BENEFITS

- ▶ Highly competitive in grass swards
- ▶ High yielding, with strong winter, early spring growth
- ▶ High stolon density and stolon length
- ▶ Highly palatable, with finer stems
- ▶ Very good disease resistance including against sclerotinia and rust
- ▶ Very good persistence, even under close sheep grazing

AGRONOMIC TRAITS

LEAF SIZE	Very large
PERSISTENCE (years) *	3-5+
SOWING RATE (kg/ha)	4-6
WINTER ACTIVITY	High
FLOWERING DATE	Early-Mid
GROWTH PEAK	Spring to Autumn

* Subject to management and climatic conditions

Mantra (left) vs competitor large leaf white clover (right)



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Cropmark
Reaper
Red Clover



The palatable and persistent all rounder

A high yielding, large leafed, semi-erect diploid red clover. Reaper is a very palatable variety, with finer stems than traditional red clovers and also has low oestrogen levels.

Suitable for grazing and for hay and silage.

BENEFITS

- ▶ Competitive and compatible in mixes
- ▶ High yielding, with strong winter activity
- ▶ Very good disease resistance, including sclerotinia and rust
- ▶ More tolerant of clover root weevil than white clover
- ▶ Very good persistence, even under close sheep grazing

AGRONOMIC TRAITS

LEAF SIZE	Large
PERSISTENCE (years) *	3-4
SOWING RATE (kg/ha)	4-6
WINTER ACTIVITY	High
FLOWERING DATE	Early-Mid
GROWTH PEAK	Spring to Autumn

* Subject to management and climatic conditions



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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