DLF Seeds

SEEDS & SCIENCE

PRODUCT GUIDE 2026

High quality, leading forage seed varieties for grazing, hay and silage



Certainty through science®

1800 619 910 | dlfseeds.com.au

CONTENTS

03 Introduction

09 How to choose a ryegrass

15 Perennial ryegrass

29 Hybrid ryegrass

33 Italian ryegrass

40 Annual ryegrass

46 Deep rooted & dryland perennial grasses

56 Clovers

70 Lucerne

76 Herbs

80 Brassica

95 Forage oats & ryecorn

98 Corson Maize & Sorghum

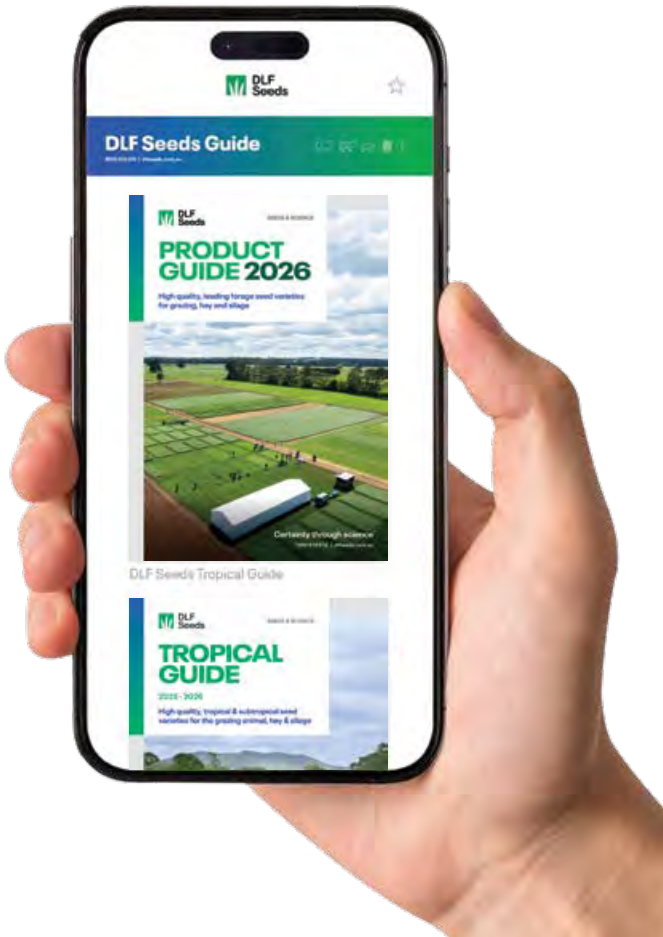
102 Seed Treatment

106 Endophyte Tables

108 Mixes & Blends

115 Contact Us

Download the DLF Seeds Guides App on iOS today!



INTRODUCTION

For certainty through science™, sow DLF Seeds.

For over 85 years DLF Seeds have been working to develop and deliver, to Australian farmers and Agronomists, proven seed varieties designed to generate the best possible outcomes for their farms and the wider agricultural community.

We make it our business to understand the local challenges at every level. We utilise our global capabilities to solve problems in a practical and sustainable manner, underpinned by science, knowledge and local expertise.

At DLF Seeds we stand by our products, and we stand by our farmers and their communities, through the twists and turns, and the ups and downs. We too are driven by the pursuit of increased performance, sustainability and the sense of pride, satisfaction and success that comes when it all works.

In an environment that can be full of uncertainty; having something you can rely on is worth sticking with. You can be certain that DLF Seeds will help you solve the problems of today and overcome the challenges of tomorrow.



SCAN ME
DLF Seeds video "About us"

NEW PRODUCTS & INNOVATIONS

NEW and available now

Attribute

MEDIUM-LARGE LEAF CLOVER

New generation medium to large leaved white clover



Foundation

FORAGE RAPE

Part of the Cleancrop™ Brassica System, Foundation is the cleaner forage rape



Revel

TETRAPLOID ANNUAL RYEGRASS

The reliable fast starter with high performance across multiple regions



Autumn 2026 in limited quantities

Spark

FORAGE OATS

Late maturity and full rust resistance



Feroz

DIPLOID ANNUAL RYEGRASS

The big, bold, eye catching diploid annual ryegrass bred for early production



Shift

TETRAPLOID ITALIAN RYEGRASS

A shift forward in Italian ryegrass dry matter production



Anvil AR37

TETRAPLOID HYBRID RYEGRASS

Elite and leafy hybrid ryegrass with AR37 insect protection



Mohaka AR128

TETRAPLOID HYBRID RYEGRASS

High performance pasture with outstanding insect protection



Align AR37

TETRAPLOID PERENNIAL RYEGRASS

Raises the standard of ryegrass rust resistance and performance



NEW AR128 ENDOPHYTE

AR® 128
grasslanz endophyte

COMING SOON

What is AR128 Novel endophyte?

In almost every way from an on-farm point of view, it's just the same as AR37. Like AR37 endophyte, AR128 is a selected novel endophyte producing epoxy-janthitrem alkaloids, which offers similar pest protection and risk of ryegrass staggers. (Based on current information available to the end of May 2025).

When do I see AR128?

Mohaka AR128 tetraploid hybrid ryegrass will be available ex harvest in Autumn 2026. The remainder of the perennial and hybrid ryegrass portfolio will transition to AR128 from AR37 over the next 3-5 years.

So why are we replacing AR37?

It's a great question. If AR128 is the same as AR37, why replace AR37? The answer lies in some of the other benefits that AR128 brings to the endophytic seed supply chain. For an endophyte to be effective on farm, at least 70% of the seed needs to contain a live endophyte. It's a minimum standard DLF Seeds adheres to when selling our cultivars with endophyte; anything lower than this level can potentially affect the total pasture's ability to be protected from insect pests. Multiple factors affect the ability to achieve 70% or greater live endophyte infection, including transmission e.g. the endophyte transmitting (passing from one generation of seed to the next) when being multiplied and storage (primarily this is affected by temperature and, more importantly, humidity).

Quite simply, AR128 is a more robust endophyte for both transmission and storage than AR37, hence more reliability in delivering seed to the market. Thus, at farm level, not much has changed, with the same level of insect pest protection for your ryegrass pasture achieved by AR37, but AR128 makes it easier for DLF Seeds and retailers ensure the seed received has the 70% minimum live endophyte level to give pastures and farms the insect protection they need.



DLF Seeds, your trusted endophyte experts

We work closely alongside AgResearch to ensure proven novel endophytes such as NEW AR128, AR1, AR37 and MaxP® are found within many of our high performance ryegrass/fescue varieties.

WE ENRICH LAND, LIFE AND PEOPLE THROUGH SEEDS AND SCIENCE

Providing Australian farmers with high quality, innovative forage seed varieties backed by science, global knowledge and local expertise for close to 90 years.

Delivering certainty through science™

DLF Seeds through its global and local relationships, work with primary research partners including PGG Wrightson Seeds NZ, DLF, the **CSIRO, University of Western Australia (UWA), the University of New England (UNE), AgResearch, Plant and Food Research** and more to help us bring cutting edge science into products tailored for Australian conditions.

This includes, but is not limited to...

- forage Innovations Limited (FIL), a joint venture between Plant & Food Research and PGG Wrightson Seeds Holdings Limited (NZ), which is the largest dedicated forage brassica breeding company in the world.
- ALBA, a joint venture between UWA and DLF Seeds, which aims to breed more productive and persistent annual pasture legumes for farmers of Australia and international markets.



What we offer

As Australia's largest proprietary forage seed company, we deliver innovative seed varieties, enhancements and more to the local market, including seed enhancements and varieties including but not limited to...

- thoroughly researched endophyte options like AR37 and new AR128
- innovative brassica solutions such as Pallaton Raphno®and the Cleancrop™ Brassica System^
- new and persistent annual legumes such as Edison and Franklin subterranean clovers*

Grow with us and benefit from the following and more

- a national team of Sales Agronomists with local expertise who support farmers, rural retailers and Consulting Agronomists across all states and territories
- over 25 years of experience in endophyte research and application
- a proven history of combining global research with local insight, supporting Australian agriculture for close to 90 years
- leadership in pasture genetics focused on grazing performance, animal health, productivity, sustainability and agronomy support
- proprietary varieties tested in Australian conditions, with grazing trial results informing breeding decisions.
- targeted and tailored seed treatments including Envirogro®, Superstrike® and Ultrastrike®
- trial sites across key dryland and temperate regions such as Armidale, Gatton, Leigh Creek, Lismore, Maryborough, Scone, Mangoplah, Shepparton, Terang, Traralgon and Wagga Wagga

^ Cleancrop
™ Brassica System from Forage Innovations Limited (FIL).
* Edison and Franklin subterranean clovers from ALBA and DLF Seeds joint venture
Joint venture: Edison and Franklin were developed by the Annual Legume Breeding Australia (ALBA). This is a joint venture between The University of Western Australia and DLF Seeds with prior contributions of Primary Industries and Regional Development (Western Australia).

SUSTAINABILITY & US

Cultivating a sustainable future

At DLF Seeds, we value the environment and recognize the influence we have on natural resources, ecosystems, and communities. This awareness shapes our dedication to sustainability and social responsibility.

Like many businesses, we recognise that our industry still relies on practices that impact the natural environment, and we acknowledge that current technologies do not yet enable zero environmental impact. Nevertheless, sustainability remains a priority for DLF Seeds. We are committed to understanding these challenges, addressing them, and continually improving both our operations and the performance of our varieties in real world, on farm conditions.

This includes, but is not limited to the following.

- **Legume advantage trial initiative:**
  - Discovering the role of legumes in enhancing pasture productivity by examining yield and feed quality differences between old and new clover genetics.
- **ALBA: Annual Legume Breeding Australia:**
  - A joint venture with DLF Seeds and the University of Western Australia (UWA) to develop new clover varieties to enhance pasture resilience supporting productive livestock systems.
- **Nitrogen use efficiency:**
  - Research into Nitrogen use efficiency within nil endophyte and endophytic ryegrass pastures/varieties. Which examines endophytes and their role in increasing nitrogen efficiency on high performing grasses which may reduce the need for high amounts of synthetic fertilisers.
- **CRC for zero net emissions from Agriculture.**
- **Innovative varieties that improve on farm sustainability:**
  - Cleancrop™ brassica management system which reduces the need for chemical applications when sowing a crop or pasture (after Cleancrop™)
  - Ecotain® environmental plantain which reduces Nitrogen leaching
  - Pallaton Raphno® with improved water use efficiency
  - And much more

DLF Seeds partners with bagMUSTER®

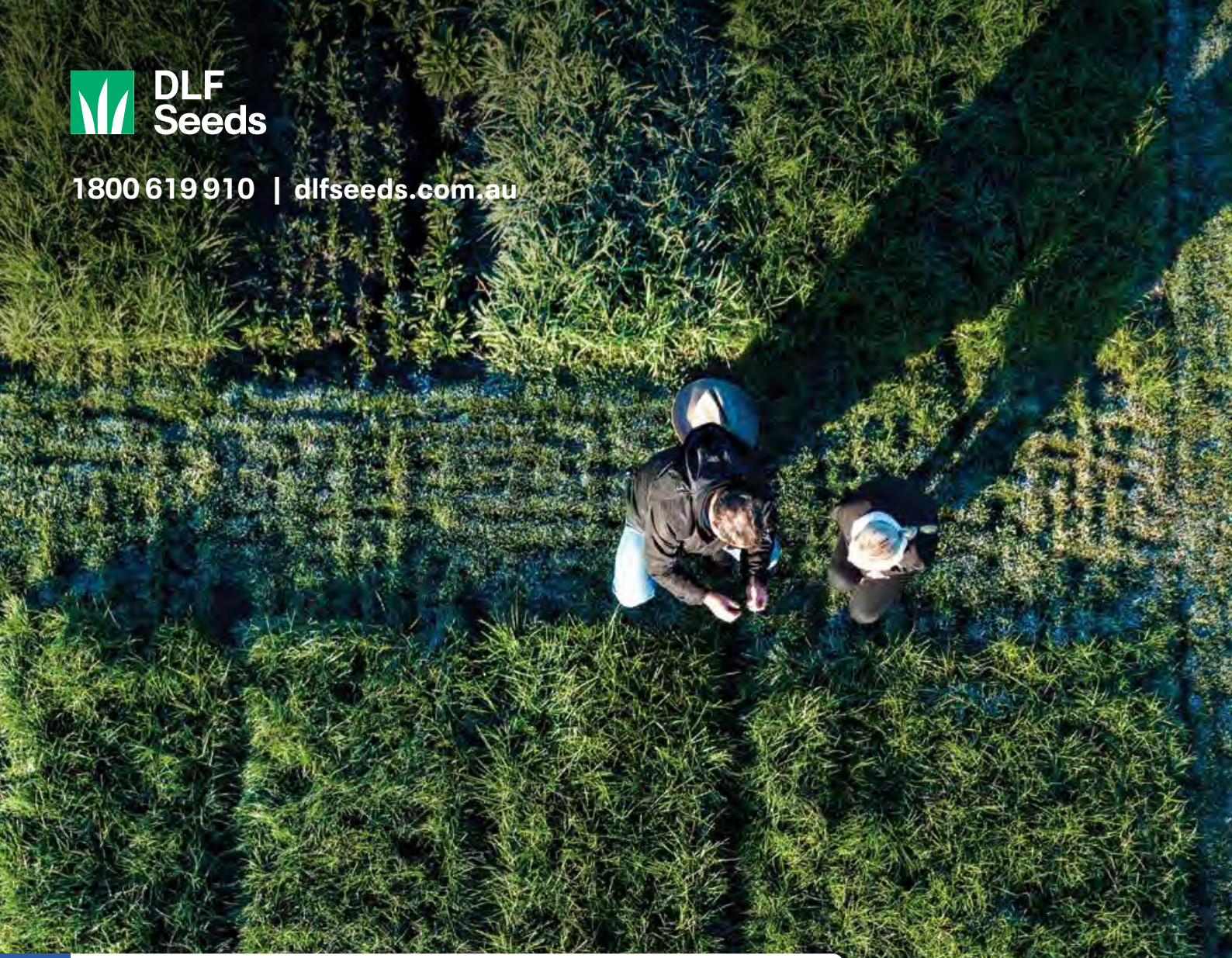
The agricultural industry is making a monumental stride toward sustainability with the opening of the first bagMUSTER® collection sites and DLF Seeds are proud to be a part of it.

This pioneering, not for profit, industry led program addresses plastic waste from single use woven polypropylene bags. Spearheaded by CropLife Australia and its not for profit subsidiary Agsafe, in collaboration with the Australian Seed Federation, bagMUSTER® provides farmers, growers, and the broader agricultural sector with a practical and responsible recycling solution; transforming waste into opportunity.



DLF Seeds

1800 619 910 | dlfseeds.com.au



HOW TO CHOOSE A RYEGRASS

Endophytes, ploidy and heading dates

To discover more on grass management, visit
dlfseeds.com.au/advice/pasture/grass-management

DLF Seeds the endophyte experts

AR37, Endo5 and AR1 endophytes

It is important to choose the right endophyte for your operation. If you need a little extra know how, contact us on **1800 619 910** or visit **dlfseeds.com.au/advice/pasture/endophytes.**

DIPLOIDS AND TETRAPLOIDS

Diploid

Diploid ryegrasses have two sets of chromosomes per cell, compared to a tetraploid which has four.

Diploids combine yield and robustness, ensuring that even in less than ideal conditions, they will deliver for your stock.

The cells within a diploid ryegrass are smaller than in tetraploids resulting in a lower ratio of water soluble carbohydrates (sugar) compared to fibre.

Dependable diploids:

- **Densely tillered**
- **Competitive with weeds**
- **Ideal for grass to grass situations**
- **Cope with lower fertility**
- **Can handle wetter environments**
- **Can be set stocked or rotationally grazed**

Tetraploid

A tetraploid plant has four sets of chromosomes per cell (a diploid has two sets) which simply means tetraploid ryegrasses are more palatable for your livestock.

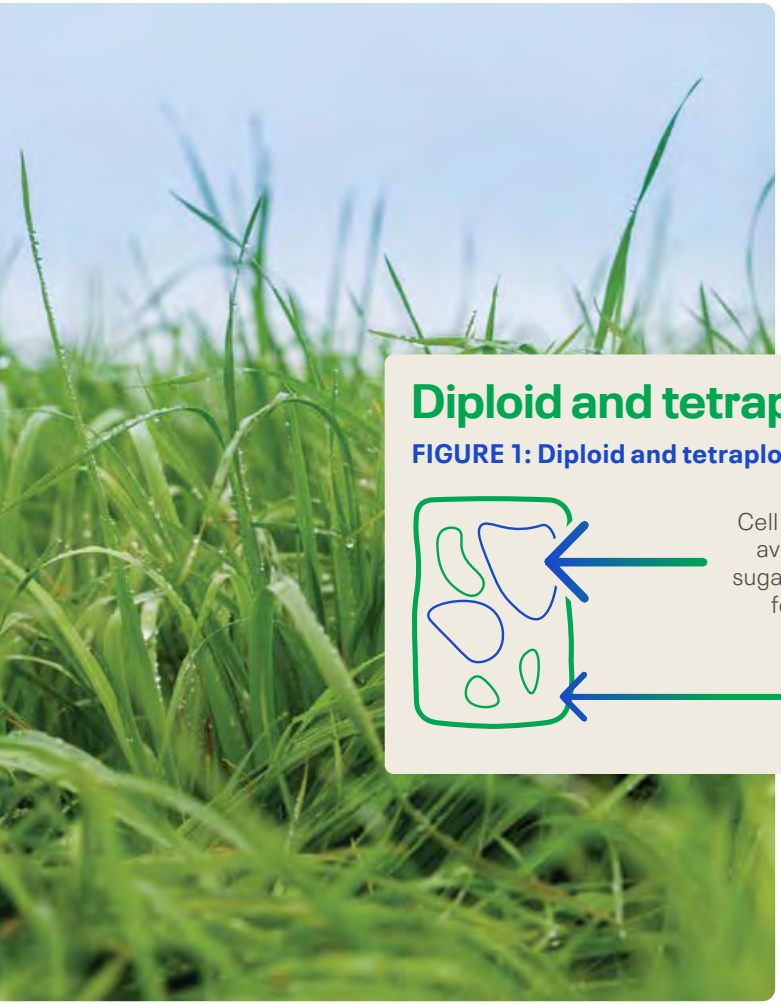
Tasty tetraploid ryegrasses are just what your stock ordered. Stock prefer tetraploids over diploids if they have a choice and tetraploids are more quickly and completely eaten by livestock.

Remember that tetraploids:

- Need a higher sowing rate – the seed is larger than diploids
- Should be rotationally grazed or set stocked for short periods only
- Are easily overgrazed, watch post-grazing residuals
- Should be sown with clovers or herbs
- Are darker green. Don't rely on colour change before applying Nitrogen

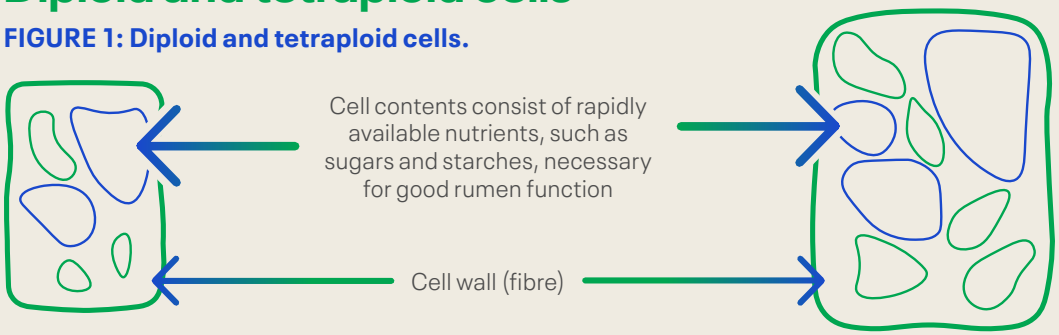
Tasty tetraploids:

- **Fast to establish**
- **Extremely tasty and palatable**
- **Excellent pasture utilisation**
- **Higher animal dry matter intakes**
- **Very high quality**
- **Clover friendly**
- **Better animal performance**
- **Great for silage and hay quality**



Diploid and tetraploid cells

FIGURE 1: Diploid and tetraploid cells.



HEADING DATES

Ryegrass heading dates

Heading date is when a paddock visually has 50% of the plants seed heads emerged. Heading dates are defined relative to the cultivar Nui, heading at day 0.

Ryegrass heading date influences pasture production in two ways:

1. Timing of spring-flush: Very early through to mid season heading ryegrasses often produce more dry matter earlier
2. Timing of late spring/early summer loss of quality: Later heading cultivars hold quality, providing leafy high quality feed later in spring

Key recommendations: Heading dates

- Sow a range of ryegrass cultivars with different heading dates to spread timing of heading and reduce loss of summer quality
- Sow ryegrasses with different heading dates in separate paddocks
- Sow no more than 50% of the farm in late or extremely late cultivars to reduce early spring feed pinches

Aftermath heading

Aftermath heading refers to the number of seed heads produced after the main heading event. If there are a lot of seed heads produced (high aftermath heading) then this means pasture quality is reduced. If there are minimal seed heads produced (low aftermath heading) then pasture quality is maintained for longer.



#Due to small number of tip awns, Platform and Legion are certified *Lolium boucheanum*.

Heading dates of some perennial ryegrass cultivars

EARLY

Earlier heading

- Often earlier flush of spring growth
- Early maturing
- Poorer late season quality
- Improved spring quality if aftermath heading is low

VERY EARLY		**≤ - 12 days**
Barbaria		- 20 days
Kangaroo Valley		- 17 days
EARLY		**-11 to -6 days**
Victorian		- 10 days
Kidman		- 9 days
Bolton		- 8 days
MID		**-5 to +7 days**
Kingsgate	**Diploid**	- 3 days
Nui		0 days
Avalon		+3 days
Somerset	**Diploid**	**+3 days**
Reason	**Diploid**	**+3 days**
LATE		**+8 to +21 days**
Hustle		+8 days
Maxsyn		+8 days
Platform#	**Diploid**	**+12 days**
Legion#	**Diploid**	**+14 days**
Rohan		+18 days
4front		+18 days
Three60	**Diploid**	**+20 days**
Ultra		+20 days
VERY LATE		**+22 to +25 days**
Base	**Tetraploid**	**+22 days**
Matrix		+23 days
Array		+23 days
Reward	**Tetraploid**	**+24 days**
EXTREMELY LATE		**+26 to +39 days**
Vast	**Tetraploid**	**+36 days**
Align	**Tetraploid**	**+39 days**

LATE

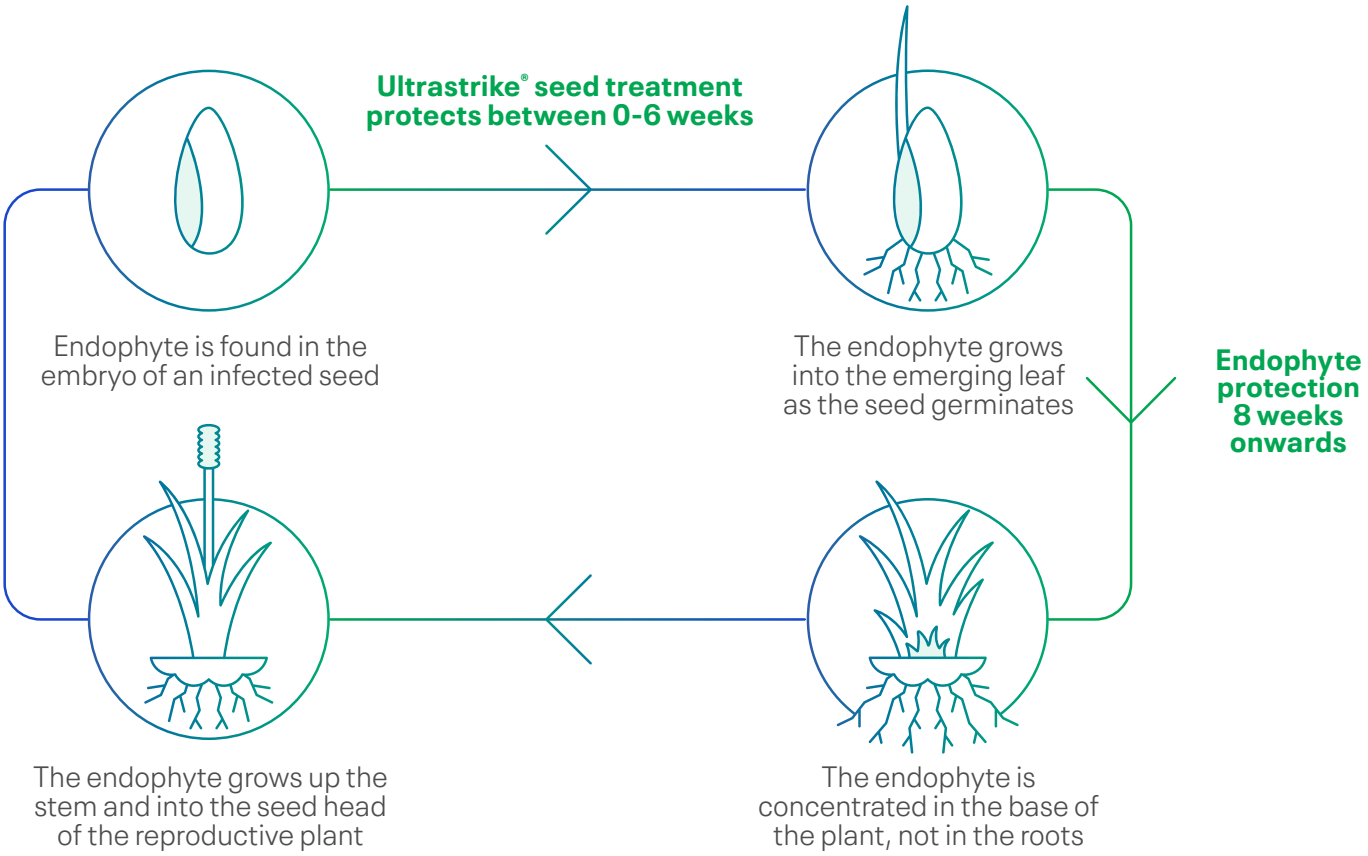
Later heading

- Can be later flush of spring growth
- Late maturing
- Better late season quality
- Responds well to summer rainfall

HOW AN ENDOPHYTE PROTECTS YOUR PASTURE

An endophyte is a fungus found naturally in many grass species, including ryegrass. It provides the plant with protection from insects, and in return the plant provides the endophyte with a place to live and reproduce.

FIGURE 2: How an endophyte protects your pasture.





AR37 endophyte

AR37 endophyte takes ryegrass pasture persistence and protection to a premium level.

Pests controlled

- Argentine Stem Weevil Larvae
- Pasture Mealy Bug
- Adult Black Beetle
- Root Aphid

Available in

- Base
- Reason
- Three[60]
- Vast
- Legion[#]
- Platform[#]
- Align
- Mohaka hybrid ryegrass
- Anvil hybrid ryegrass

Suitable for

Benefits of ryegrass with AR37 endophyte:

- Provides the best proven balance of pasture production and persistence
- Higher tiller density over time
- Assists with post drought recovery and improves agronomic performance
- Provides stronger control of more insect pests compared to ryegrass cultivars containing AR1 or standard endophyte (SE)
- May produce greater carcass weight per hectare compared to ryegrass cultivars containing SE
- Helps to provide a greater return on investment
- Increased total dry matter production compared to ryegrass cultivars containing AR1 or nil endophyte
- Has no Ergovaline which increase milk production compared to endophytes containing high Ergovaline levels
- Increased sheep performance compared to ryegrass cultivars containing SE
- Low incidence of dags in sheep (similar to that of cultivars containing AR1 endophyte)

Limitations of ryegrass with AR37 endophytes:

- AR37 varieties should not be used or fed to any other classes of stock other than sheep, beef and dairy (eg. grazing horses/monogastrics)



Evidence of Root Aphid damage

AR37 controls Root Aphid.



No evidence of Root Aphid damage

[#]Due to small number of tip awns, Platform and Legion are certified *Lolium boucheanum*.

For important information on insect control and animal safety, see page 106-107 of this guide or visit www.dlfseeds.com.au/advice/pasture/endophytes

Endo5 endophyte

Endo5

Good pest control and no known risk of ryegrass staggers

Pests controlled

- Black Beetle
- Argentine Stem Weevil Larvae
- Root Aphid (moderate control)
- Pasture Mealy Bug (Comparatively, AR37 has demonstrated stronger protection against pests and insects)

Available in

- Reward perennial ryegrass

Suitable for



Benefits of ryegrass with Endo5 endophyte:

- Contains no Lolitrem B, the main cause of ryegrass staggers
- Produces less Ergovaline for increased milk production compared to endophytes containing high levels of Ergovaline (Standard endophyte (SE) contains high levels of Ergovaline)
- Increased persistence compared to AR1 endophyte
- Pest and insect protection better than AR1 endophyte

Limitations of ryegrass with Endo5 endophytes:

- May produce lower animal performance levels over summer/autumn compared to ryegrass cultivars containing AR1 or nil endophyte

AR1 endophyte

AR1 grasslanz endophyte

A novel endophyte option with high animal performance and no known animal health issues

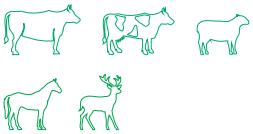
Pests controlled

- Argentine Stem Weevil Larvae
- Pasture Mealy Bug

Available in

- Reason
- Three[60] perennial ryegrass

Suitable for



Benefits of ryegrass with AR37 endophyte:

- Delivers excellent animal performance
- Provides a moderate range of insect protection
- Increase in milk production compared to ryegrass cultivars containing Standard endophyte (SE) (in areas where ryegrass persists)

Limitations of ryegrass with AR37 endophytes:

- Has demonstrated poorer persistence in areas with major insect pest pressure from Black Beetle and Root Aphid
- AR1 can be overgrazed, resulting in more stress on the plant which may affect long term pasture persistence

[#]Due to small number of tip awns, Platform and Legion are certified *Lolium boucheanum*.

Looking for a tall fescue with an endophyte?

Sow Quantica MaxP continental tall fescue.

See page 45 for more information.

⚠ Standard endophyte (SE)

Limitations of grass with Standard endophyte:

- Contains Lolitrem B, the main cause of ryegrass staggers which can cause significant stock losses in some seasons
- Milk production may be lower in sheep, weight of lambs may be lower, and adult sheep consistently have lower bodyweight when grazing toxic pastures even when clinical staggers is not apparent
- Contains high levels of Ergovaline, which causes subclinical heat stress and is linked to other negative animal side effects

Other effects

- Scours/dags
- Affects weight gain
- Lower milk production
- Higher water intake
- General "ill thrift"
- Sub clinical heat stress

For important information on insect control and animal safety, see page 106-107 of this guide or visit www.dlfseeds.com.au/advice/pasture/endophytes

DLF Seeds

1800 619 910 | dlfseeds.com.au



PERENNIAL RYEGRASS

Available from your local rural retailer.

DLF Seeds perennial ryegrass varieties deliver a high performance, long lasting pasture (5+ years). Suitable as a standalone pasture or as part of a seed mix, our varieties deliver protein rich, high quality, highly palatable feed that's ideal for grazing, hay and silage.

Protection from insects: Varieties featuring AR37, AR128, Endo5 or AR1 endophyte provide reliable insect control.

Profitable pasture mixes: For custom mix advice, reach out to your local rural retailer, your DLF Seeds Sales Agronomist OR, see our MAXImiser® mix range at the back of this guide.

Used for key

Beef | Dairy | Sheep | Hay | Silage

DLF Seeds

BASE AR37



Base AR37

TETRAPLOID PERENNIAL RYEGRASS



Sowing rate	20-30kg/ha (sole) 20-25kg/ha (mixed)
Heading date (days)	+22
Pasture life (years)	5+
Rainfall/Irrigation	Minimum 600mm+ p.a
Used for	

For important information on insect control and animal safety, see page 106-107 of this guide or visit www.dlfseeds.com.au/advice/pasture/endophytes

Proven performance across wet, dry and neutral weather patterns

Base AR37 is a late maturing tetraploid perennial ryegrass available with AR37 endophyte. Base AR37 offers superb dry matter yield meaning more feed is available for your stock. An added feature of Base AR37 is its high seasonal production in autumn and winter. It also responds well to summer rainfall, providing growth when moisture and fertility are available.

Being a tetraploid perennial ryegrass, Base AR37 has greater palatability and digestibility than normal diploid type ryegrasses which results in a pasture that is more readily accepted by stock. This increased animal acceptance and quality of Base AR37 combined with its erect growth habit can improve animal intake and performance.

- Proven performance across 7 years and 22 independent Pasture Trial Network trials
- Bred in Australia from drought surviving plants
- Outstanding protection from insects with AR37 endophyte
- High performance in dairy, beef and sheep operations
- Excellent late season quality feed
- Very high tiller density and high dry matter production

→ **Avoid hard set stocking during dry periods.**

Seed portfolio:

PGG Wrightson Seeds

SCAN ME

Base AR37 perennial ryegrass video

Animal performance trial result: Independent on farm demonstration, Hamilton Victoria (sheep)

The advantage of using Base AR37 over Victorian standard endophyte (SE).

In 2016 a demonstration commenced on a property located near Hamilton ('Wexford'), owned by Tony Fleetwood. The aim was to evaluate lamb and ewe performance on two different perennial ryegrasses. These were Base AR37 (a late heading tetraploid containing AR37 endophyte) and Victorian standard endophyte (SE) (an early heading diploid containing Standard endophyte).

The trial was independently managed by Andrew Speirs, a consultant with Meridian Agriculture.

- For persistence, **Base AR37 stretched the lead in 2020 with Base AR37 at 81.3%** and Victorian SE at 65.3%.
- **In 2021 Base AR37 maintained high plant numbers with a persistence score of 87.5%.** Victorian SE recovered to 72.80% with seedling recruitment.
- By autumn 2021 **Base AR37 had persisted for 5 years, out producing Victorian SE every year** with an overall advantage of $606/ha/year.
- In 2018 and 2019, both cultivars maintained very good plant numbers. **In 2020 however, Victorian ryegrass reduced significantly** - notably showing areas of winter grass.
- Importantly in 2020/2021, Base AR37 had a higher persistence count compared to Victorian SE under set stocking conditions and higher stocking rates. Debunking the popular belief that traditional perennial ryegrasses persist better than modern varieties during tough seasons. (See figure 3 and 4).

FIGURE 3: Persistence of Base AR37 vs Victorian SE.

Year	Base AR37	Victorian SE
2018	100%	97%
2019	97%	95%
2020	81%	65%
2021	87%	73%

Over 4 years Base AR37 delivered an average of $606/ha/year more compared to Victorian ryegrass.



Benefits of Base AR37 over Victorian ryegrass (SE).

FIGURE 4: Kg liveweight produced per hectare. Calculated income by variety based on lamb liveweight value of $3.50/kg in 2018, $4.00/kg in 2019 and $4.50/kg in 2020.



- Increased gross profit and liveweight gain per hectare from lambs.
- Increased persistence after five years as a result of AR37 endophyte.
- Added palatability of a late heading tetraploid ryegrass leading to higher weight gains.
- Higher autumn/winter grass production enabled higher stocking rates of ewes resulting in more lambs being turned off per hectare.
- The ability of Base AR37 to maintain its feed quality longer at the end of season led to higher liveweight gains in lambs, well into December.
- Base AR37 produces more dry matter and this dry matter is distributed more evenly across the year, making Base AR37 easier to manage compared to Victorian SE.
- Ewes had improved body condition scores with Base AR37 in comparison to Victorian SE.



Benefits of Base AR37 over Victorian ryegrass.

FIGURE 5: Measured persistence and yearly rainfall from the Base AR37 Victorian SE trial.



There is a common misconception that Victorian SE persists in years with low rainfall in comparison to modern perennial ryegrass pastures. This graph shows Base AR37 showing a stronger persistence into year four in comparison to Victorian SE, despite a dry year in 2019.

- In years 2 - 3 both cultivars maintained very good plant numbers but by different methods. Victorian SE by seedling recruitment and Base AR37 by established plant survival.
- The Base AR37 paddock wasn't allowed to seed as the improved palatability increased the relative grazing pressure, whereas animals refused to eat Victorian SE when it went to seed, allowing it to set seed and survive that way.

*2021 rainfall. Measurements ended November 2021.







DLF Seeds

ALIGN AR37

Align AR37

TETRAPLOID PERENNIAL RYEGRASS



Sowing rate	20-30kg/ha (sole) 20-25kg/ha (mixed)
Heading date (days)	+39
Pasture life (years)	5+
Rainfall/Irrigation	Minimum 600mm+ p.a
Used for	

For important information on insect control and animal safety, see page 106-107 of this guide or visit www.dlfseeds.com.au/advice/pasture/endophytes

Raises the standard of ryegrass rust resistance and performance

Combining the latest in ryegrass breeding to deliver year round, dense growth, Align AR37 tetraploid perennial ryegrass sets a new performance benchmark for quality and reliability. Producing an extremely dense pasture for a tetraploid, Align AR37 delivers strong persistence, resulting in the highest overall dry matter production in the DLF Seeds tetraploid ryegrass portfolio.

As one of the latest innovations in ryegrass breeding, Align AR37 is bred for performance and low aftermath heading, creating a vegetative and high value forage that lasts longer. Extremely rust tolerant, Align is a strong and resilient plant that maintains its nutritional value and high dry matter production throughout the seasons. As a reliable high performer, Align AR37 maintains a high forage quality through summer and into autumn for consistent yields, hay and silage when feed is needed most.

For a productive and resilient tetraploid, sow Align AR37 for performance, reliability and AR37 insect protection.

- Excellent crown rust tolerance
- High annual yields
- Exceptional summer and autumn growth
- Maintains quality late into summer
- Improved tetraploid density with an upright growth habit

NEW: Autumn 2026 ex harvest (limited)

Seed portfolio:

AGRICOM Pastures for Profit®

FIGURE 6: Dry matter production of perennial ryegrass varieties (from each cut) in the 2023 Ballarat, VIC trial – displaying variety performance over 2 years. (Interim data)

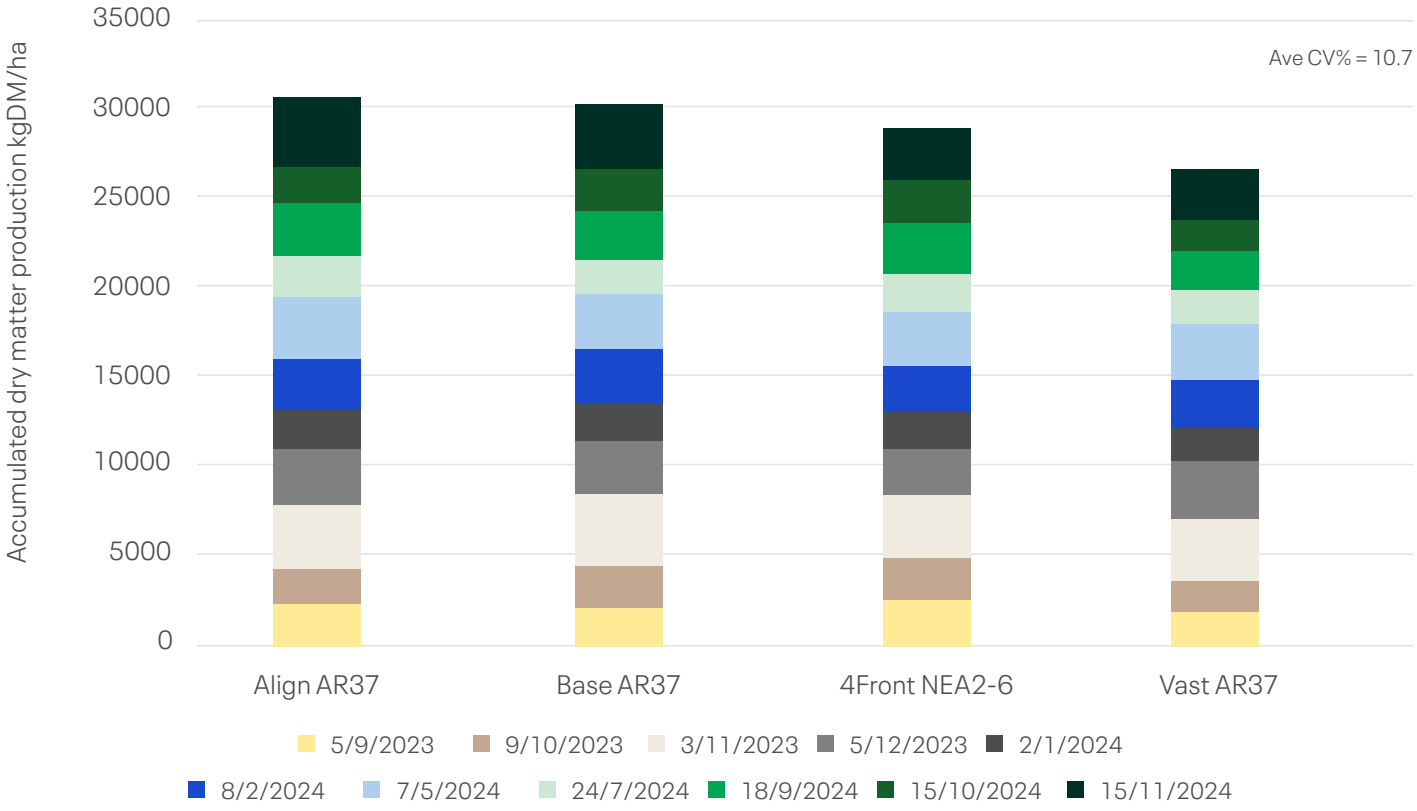
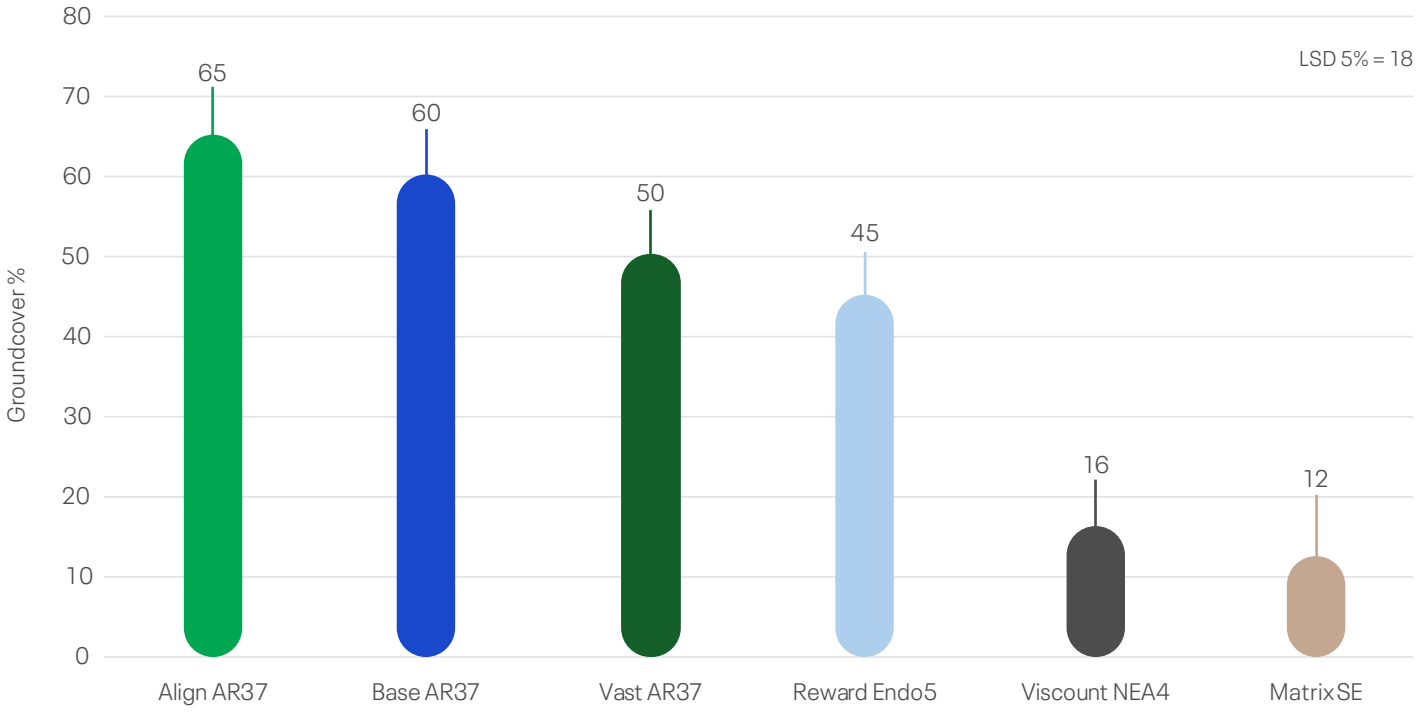


FIGURE 7: Groundcover score taken on 24/07/2025 of perennial ryegrass varieties in the 2018 sown Terang trial (VIC). Trial demonstrates the persistence of Align AR37.



Trial notes Figure 7: Trial sown in 2018 and ran up until September 2025. Over the 8 years, Align AR37 has proven strong persistence with a 65% ground cover, compared to proven performer Base AR37 at 60%.



DLF Seeds

THREE^{60} AR37

Three^{60} AR37

DIPLOID PERENNIAL RYEGRASS

NEW



Sowing rate	20-25kg/ha (sole) 15-20kg/ha (mixed)
Heading date (days)	+20
Pasture life (years)	5+
Rainfall/Irrigation	Minimum 700mm p.a
Used for	

For important information on insect control and animal safety, see page 106-107 of this guide or visit www.dlfseeds.com.au/advice/pasture/endophytes

Outstanding autumn performance with late spring quality

As an upgraded replacement to One^{50}, Three^{60} AR37 is a late, diploid perennial ryegrass with medium to fine tillers that persists in areas with high insect pressure. Three^{60}'s late heading date means farmers can benefit from ample autumn feed and high quality hay/silage through summer.

Demonstrating outstanding autumn and summer performance, Three^{60} persists well (for a ryegrass) when put under heat and moisture pressure due to its efficient use of summer irrigation and natural rainfall (water use efficiency).

As a highly vegetative cultivar, Three^{60} produces minimal seed heads during grazing which simplifies pasture management throughout spring and summer. Apply late autumn Nitrogen for strong winter activity and to assist with early spring vigour.

- Very high dry matter production
- Excellent spring quality and summer leafiness
- Excellent crown rust tolerance
- Similar heading date to One^{50}
- Outstanding protection from insects with AR37 endophyte

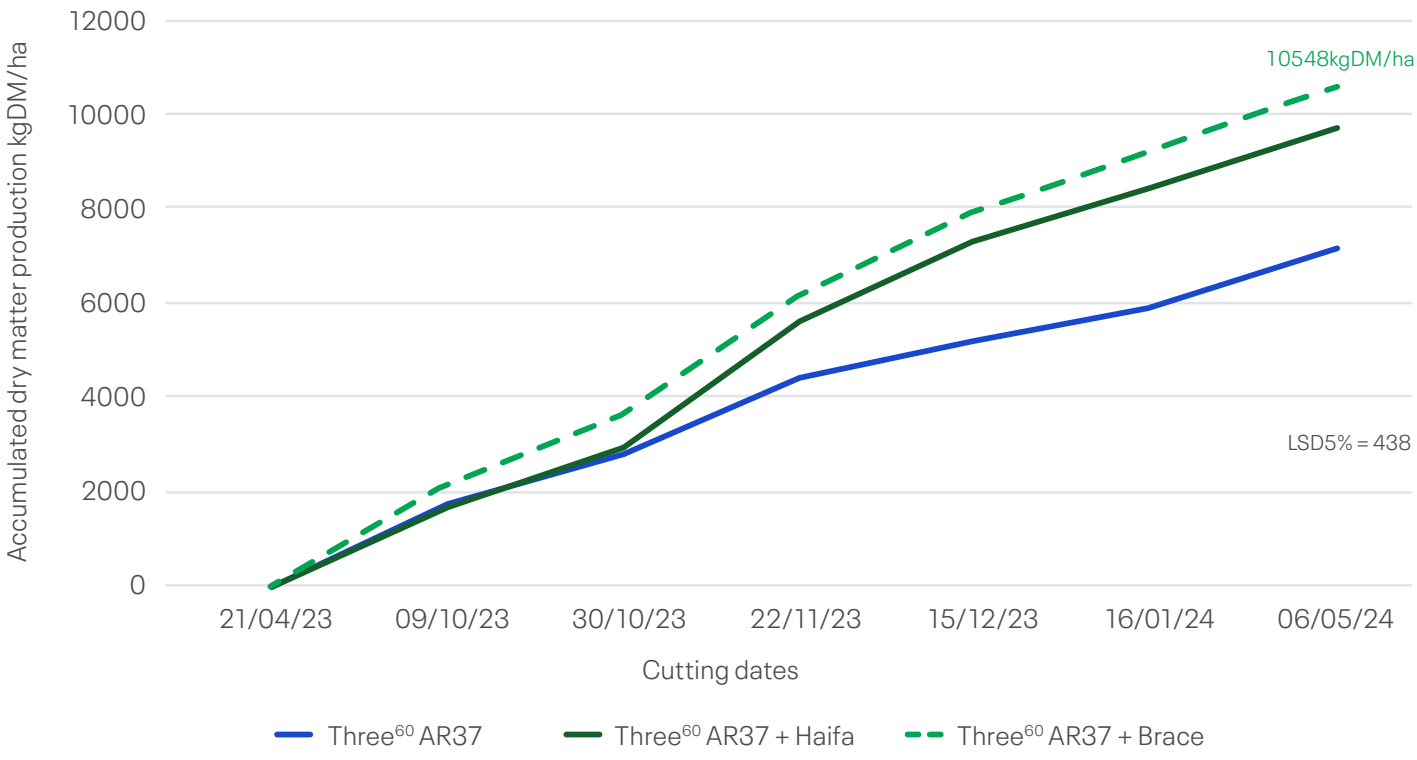
→ **Also available with AR1 endophyte**

Seed portfolio:

AGRICOM Pastures for Profit®

Three^{60} AR37 diploid perennial ryegrass legume advantage with Brace white clover.

FIGURE 8: Terang VIC, 2023 sown legume advantage trial, interim accumulated dry matter production.



Trial summary

The advantage of using Three^{60} AR37 + Brace is seen with the increase in accumulated dry matter production over Three^{60} AR37 diploid perennial ryegrass without clover.

- 10548kgDM/ha, total dry matter was produced with **Three^{60} AR37 + Brace**
- 7120kgDM/ha total dry matter was produced with **Three^{60} AR37** (without clover)
- When comparing the first 8 months of recorded data, **Three^{60} AR37 + Brace** (proprietary white clover) demonstrated an increase of 933kgDM/ha over **Three^{60} AR37 + Haifa** (common white clover).

Trial note: Legume advantage trial sown on 21/4/23. Trial was topped and fertilised with Nitrogen until the first cut on 9/10/23. Replacement P, K, S applied after each cut, Nitrogen applied post autumn break in 2024. Trial ran until the end of 2024 and was terminated due to dry conditions.


Three^{60} with clover

DLF Seeds

REASON AR37



Reason AR37

DIPLOID PERENNIAL RYEGRASS



Sowing rate	20-25kg/ha (sole) 15-20kg/ha (mixed)
Heading date (days)	+3
Pasture life (years)	5+
Rainfall/Irrigation	Minimum 600mm+ p.a
Used for	

For important information on insect control and animal safety, see page 106-107 of this guide or visit www.dlfseeds.com.au/advice/pasture/endophytes

High performance diploid with industry leading autumn growth and a +3 heading date

Reason AR37 is a diploid perennial ryegrass that has topped the accumulated dry matter production trial against leading perennial diploids (2018 – 2021 Terang Victoria)*, proving it consistently produces excellent quality dry matter production across all seasons.

This mid flowering perennial returns to a vegetative state after flowering, providing farmers with extended late season quality – a trait not typically seen in a mid flowering perennial ryegrass. With a +3 heading date and the added benefit of a very low aftermath heading, sow Reason AR37 to boost productivity and take advantage of early spring growth.

- A high performing diploid perennial ryegrass with mid heading (+3)
- Well balanced, seasonal growth potential with excellent early-spring growth in cooler regions
- Persistent in, and tolerant of, a wide range of environments
- Very good tiller density with extremely low aftermath heading in summer
- Ideal for sheep, beef and dairy systems looking for extra spring growth while maintaining summer and autumn quality and production

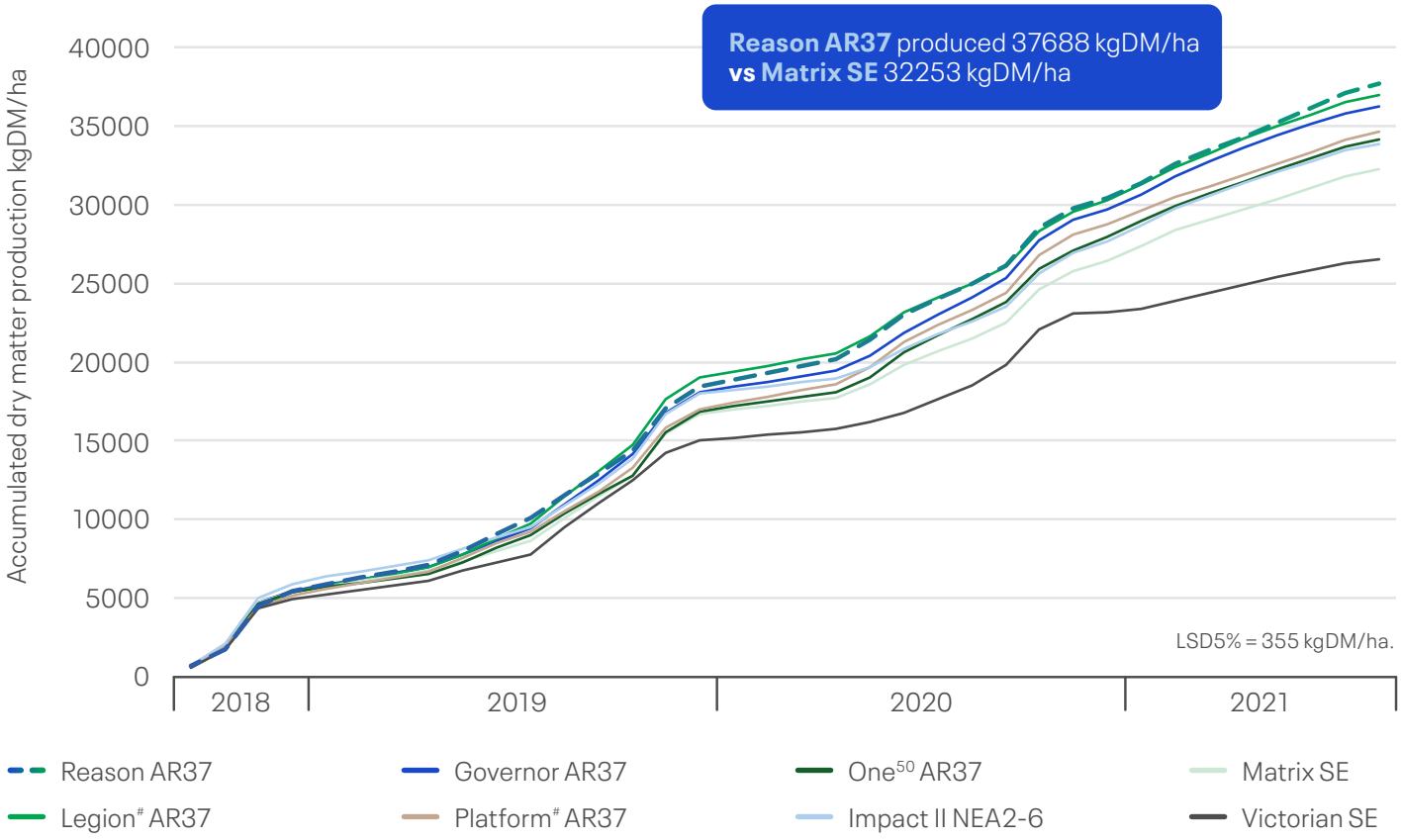
*DLF Seeds stage 2 Perennial Ryegrass trial (2018-2021)

Seed portfolio:

AGRICOM Pastures for Profit®

After 3 years, Reason AR37 was the highest producing diploid perennial ryegrass in Terang trial.

FIGURE 9: Accumulated dry matter production from DLF Seeds perennial ryegrass trial, Terang VIC (2018-2021).



- After 3 years, Reason AR37 was the highest producing diploid perennial ryegrass within the trial.
- Reason AR37's strong performance is attributed to strong autumn recovery, early spring growth and returning to vegetative growth state after flowering.

Due to small number of tip awns, Platform and Legion are certified *Lolium boucheanum*.



DLF Seeds

VAST AR37



Vast AR37

TETRAPLOID PERENNIAL RYEGRASS



Sowing rate	20-30kg/ha (sole) 20-35kg/ha (mixed)
Heading date (days)	+36
Pasture life (years)	5+
Rainfall/Irrigation	Minimum 700mm p.a
Used for	

For important information on insect control and animal safety, see page 106-107 of this guide or visit www.dlfseeds.com.au/advice/pasture/endophytes

Quality pasture with an extremely late heading date and enhanced persistence

A tetraploid with diploid level density, Vast AR37 perennial ryegrass is the next generation in tetraploid perennial ryegrass breeding delivering the ultimate combination of density, quality, production and grazing preference for Australian farmers to maximise stock performance and productivity. With an extremely late (+36 days) heading date, Vast AR37 offers one of the latest heading dates of any perennial ryegrass on the market.

Low seed head production after the initial seeding period, in combination with an extremely late flowering date, means Vast AR37 provides high quality feed across the majority of the growing season.

- Strong annual production with exceptional summer and autumn productivity
- Extremely late heading date (+36 days) boosting late seasonal pasture quality
- Diploid level tiller density to enhance persistence
- Tetraploid grazing preference to drive animal intakes
- Excellent rust tolerance to improve summer and autumn palatability

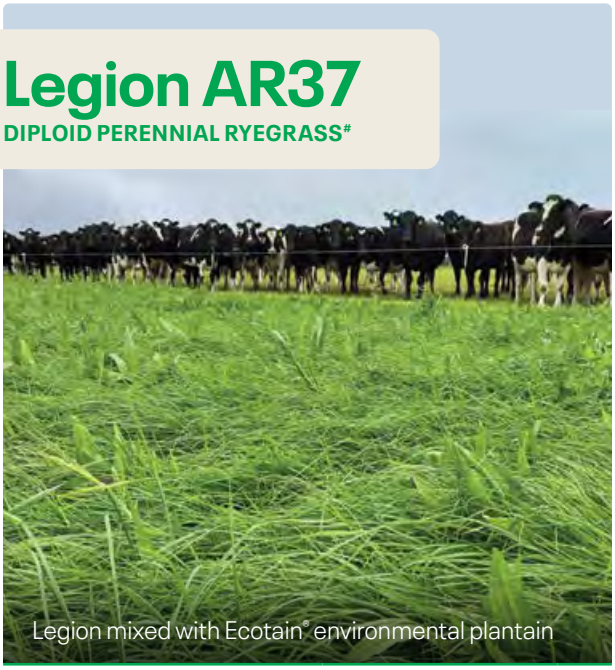
→ **Avoid hard set stocking during dry periods.**

Seed portfolio:

PGG Wrightson Seeds

Legion AR37

DIPLOID PERENNIAL RYEGRASS#



Legion mixed with Ecotain® environmental plantain

Sowing rate	20-25kg/ha (sole) 15-20kg/ha (mixed)
Heading date (days)	+14
Pasture life (years)	5+
Rainfall/Irrigation	Minimum 700mm p.a
Used for	

Complete all rounder in all regions and all seasons

Legion AR37 is a fine leaved, high performance diploid perennial ryegrass# with a +14-flowering date. Displaying strong autumn recovery, Legion produces high amounts of quality dry matter after the autumn break and leading into winter. Legion AR37 performs well in sheep and beef pastures displaying excellent density for periods of set stocking and winter grazing and is well suited to dairy pastures and runoffs.

Legion has outstanding summer, autumn and winter growth, good sized tillers, low aftermath heading and excellent summer leafiness. Sow Legion for a slightly earlier spring flush compared to late heading varieties and its ability to grow well in all seasons and provide high quality pasture leading into autumn.

- Premium insect protection from AR37 endophyte
- Excellent density for periods of set stocking and winter grazing
- High dry matter production
- Strong autumn recovery

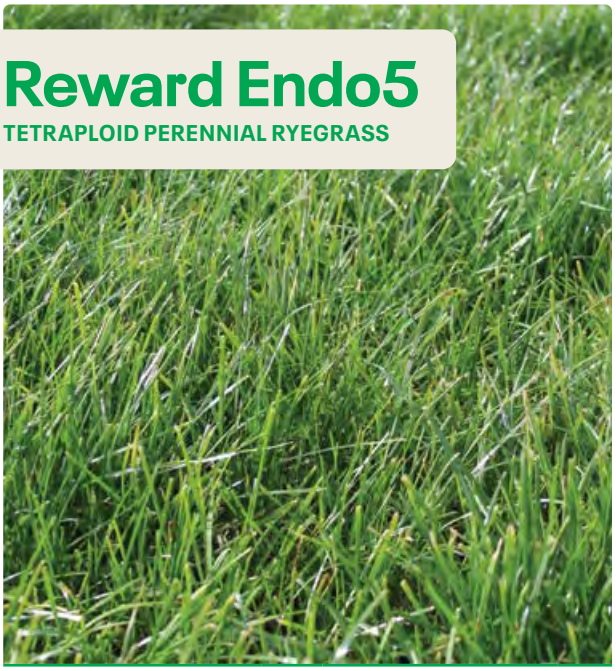
→ **Also available with AR1 endophyte**

#Legion has been bred, selected and successfully tested as a perennial and will function as a perennial ryegrass. Due to a small number of tip awns, Legion is certified as *Lolium boucheanum*.

Seed portfolio: AGRICOM Pastures for Profit®

Reward Endo5

TETRAPLOID PERENNIAL RYEGRASS



Sowing rate	20-30kg/ha (sole) 20-25kg/ha (mixed)
Heading date (days)	+24
Pasture life (years)	5+
Rainfall/Irrigation	Minimum 700mm p.a
Used for	

The versatile all rounder providing increased milk production

Reward is a tetraploid perennial ryegrass with Endo5 endophyte bred with low aftermath heading for the Australian farmer. It is very late maturing which means high quality feed for longer, especially at times when feed is needed most.

Reward is suited to a broad range of farming systems including sheep, beef and dairy, making it a great all round option. Avoid hard set stocking during dry periods.

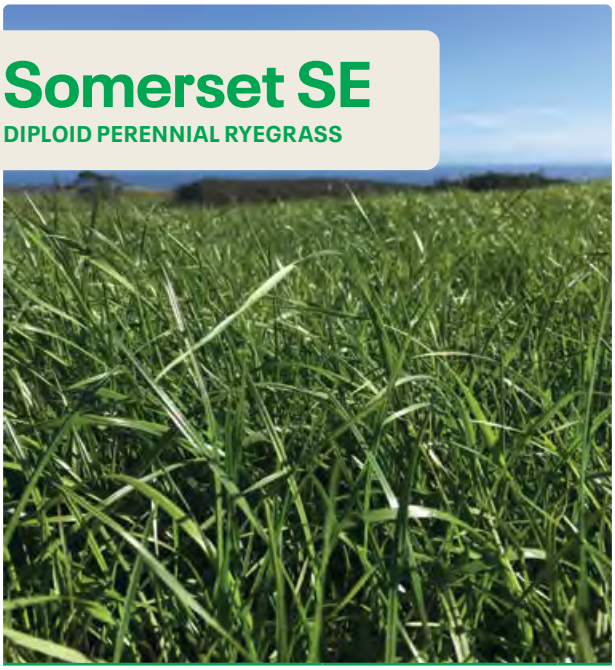
- Bred for low aftermath heading
- Excellent persistence and dry matter production
- Endo5 endophyte for broad spectrum pest control
- No Lolitrem B (the main toxin that causes ryegrass staggers)

→ **Endo5 contains Ergovaline and Peramine for insect protection. It is recommended to avoid prolonged set-stocking or grazing fresh regrowth of such pastures during summer and autumn**

Seed portfolio: PGG Wrightson Seeds

Somerset SE

DIPLOID PERENNIAL RYEGRASS



Sowing rate	20-25kg/ha (sole) 15-20kg/ha (mixed)		
Heading date (days)	+3	**Pasture life (years)**	5+
Rainfall/Irrigation	Minimum 600mm p.a		
Used for			

Somerset SE mid heading diploid perennial ryegrass

Somerset SE is a mid-heading (+3 days), diploid perennial ryegrass suited to beef, sheep and dairy grazing systems. With impressive seedling vigour to provide rapid establishment, combined with good autumn, winter and spring yields, Somerset is a reliable dry matter producer. With medium tiller density and tolerance to a wide range of insect pests, Somerset displays very good pasture persistence.

- Mid-heading (+3)
- Medium tiller density
- High insect tolerance
- Tolerant of and productive in acidic soils

→ **Due to Somerset containing Standard endophyte (SE), it does require careful grazing management, particularly during drier times of the year when the possibility of ryegrass staggers is increased**

Seed portfolio: PGG Wrightson Seeds

Kingsgate SE

DIPLOID PERENNIAL RYEGRASS



Sowing rate	20-25kg/ha (sole) 15-20kg/ha (mixed)		
Heading date (days)	-3	**Pasture life (years)**	5+
Rainfall/Irrigation	Minimum 600mm p.a		
Used for			

A mid flowering, densely tillered, diploid perennial ryegrass offering early spring production

Bred specifically to replace Kingston, Kingsgate SE has excellent low aftermath heading (a trait not common in early and mid-heading perennial ryegrasses). Best suited to beef and sheep grazing, Kingsgate performs well in low fertility areas and marginal country.

- Persistent and densely tillered
- Rapid recovery from grazing
- Tolerant of and productive in acidic soils

→ **Due to Kingsgate containing Standard endophyte (SE), it does require careful grazing management, particularly during drier times of the year when the possibility of ryegrass staggers is increased**

Seed portfolio: AGRICOM Pastures for Profit®

Blend recommendation

Ask us about MAXImiser® Sheep & Beef 600mm.
Contains: Kingsgate SE, Somerset SE perennial ryegrasses, Riverina, Coolamon subterranean clovers, Tribute white clover & Savvy cocksfoot.

DLF Seeds

1800 619 910 | dlfseeds.com.au



HYBRID RYEGRASS

Available from your local rural retailer.

DLF Seeds hybrid ryegrass varieties combine the strength of perennial and Italian ryegrass for reliable cool season growth and 2 to 4 years of persistence.

Protection from insects: Varieties featuring AR37 or AR128 endophyte provide reliable insect control.

Profitable pasture mixes: For custom mix advice, reach out to your local rural retailer, your DLF Seeds Sales Agronomist OR, see our MAXImiser® mix range at the back of this guide.

Used for key

Beef | Dairy | Sheep | Hay | Silage

DLF Seeds

MOHAKA AR37



Mohaka AR37

TETRAPLOID HYBRID RYEGRASS



Sowing rate	20-30kg/ha (sole) 15-25kg/ha (mixed)
Heading date (days)	+20
Pasture life (years)	2-4
Rainfall/Irrigation	Minimum 600mm p.a
Used for	

For important information on insect control and animal safety, see page 106-107 of this guide or visit www.dlfseeds.com.au/advice/pasture/endophytes

A high performance pasture

This broad leaved, densely tillered tetraploid hybrid ryegrass has superior cool season productivity when compared to its predecessor, Ohau, due to its higher percentage of Italian ryegrass parentage. In commercial trials, Mohaka has exhibited additional growth throughout the growing season compared to similar types and with AR37 endophyte, it is likely to persist for multiple years (2-4) when grown in favourable conditions.

Mohaka has a +20 flowering date that will push quality late into the spring. Mohaka's excellent rust tolerance and tiller density has seen it become favoured by Australian farmers. Mohaka can be used as a multi-year Italian ryegrass. Its fast establishment and seedling vigour makes it a successful oversowing option into existing perennial ryegrass paddocks that are starting to thin.

- Better cool season growth than perennial ryegrass
- Late flowering date delivering late spring quality
- Very high rust tolerance
- Excellent tiller density for a tetraploid
- Genuine oversowing option due to high establishment vigour
- Also available with AR128 endophyte (in limited quantities)

→ **Avoid hard set stocking during dry periods**

Available autumn 2026 ex harvest with AR128 endophyte (in limited quantities)

What is AR128 Novel endophyte?

In almost every way from an on farm point of view, it's just the same as AR37. Like AR37 endophyte, AR128 is a selected novel endophyte producing epoxy-janthitrem alkaloids, which offers similar pest protection and risk of ryegrass staggers.

For more information on AR128, see page 4 of this guide or visit **dlfseeds.com.au**

Seed portfolio:

AGRICOM Pastures for Profit®

FIGURE 10: Interim accumulated dry matter production of hybrid ryegrasses. Sown April 2024 Ballarat VIC, measurements taken between 17/9/24 to 29/9/2025.

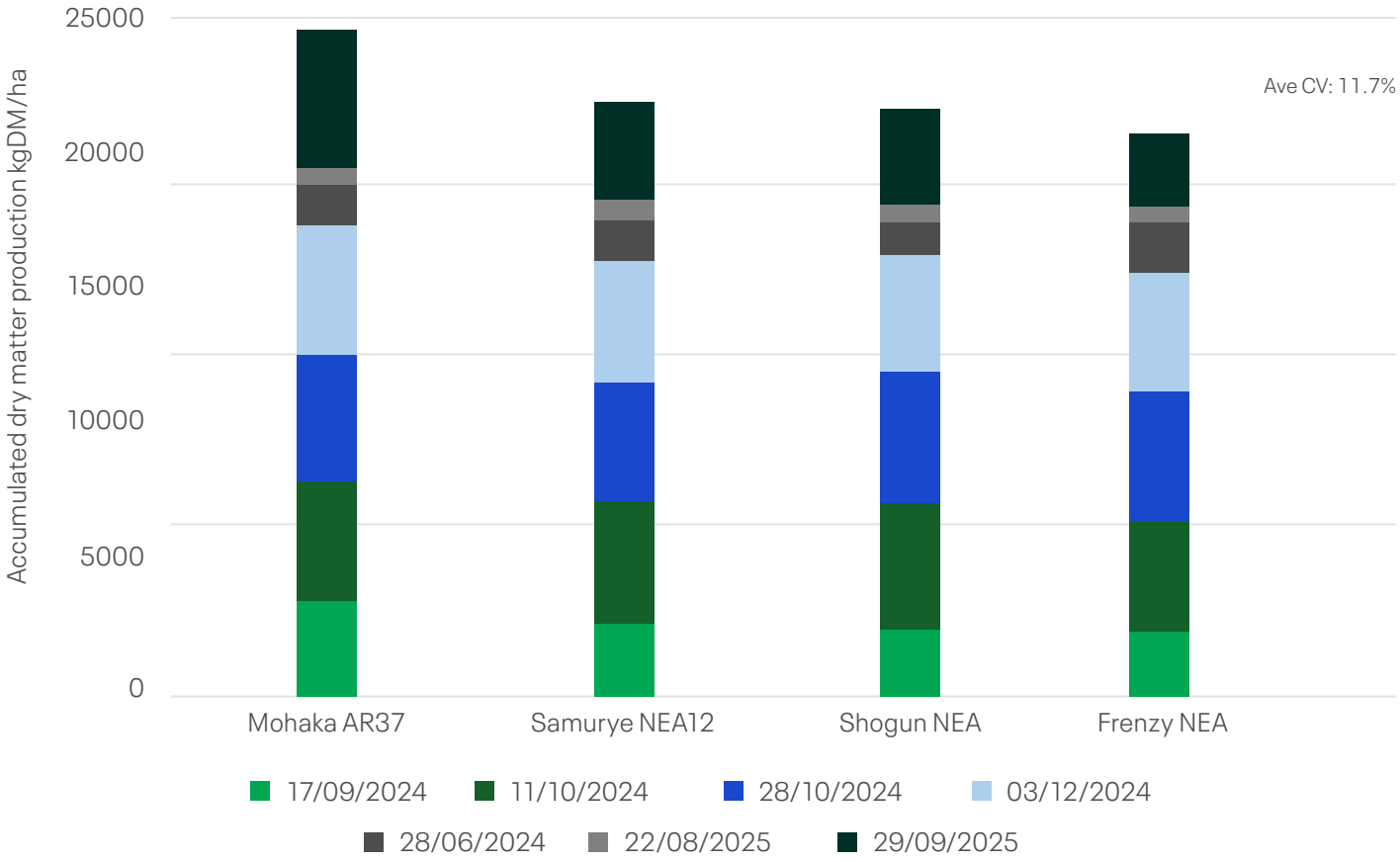
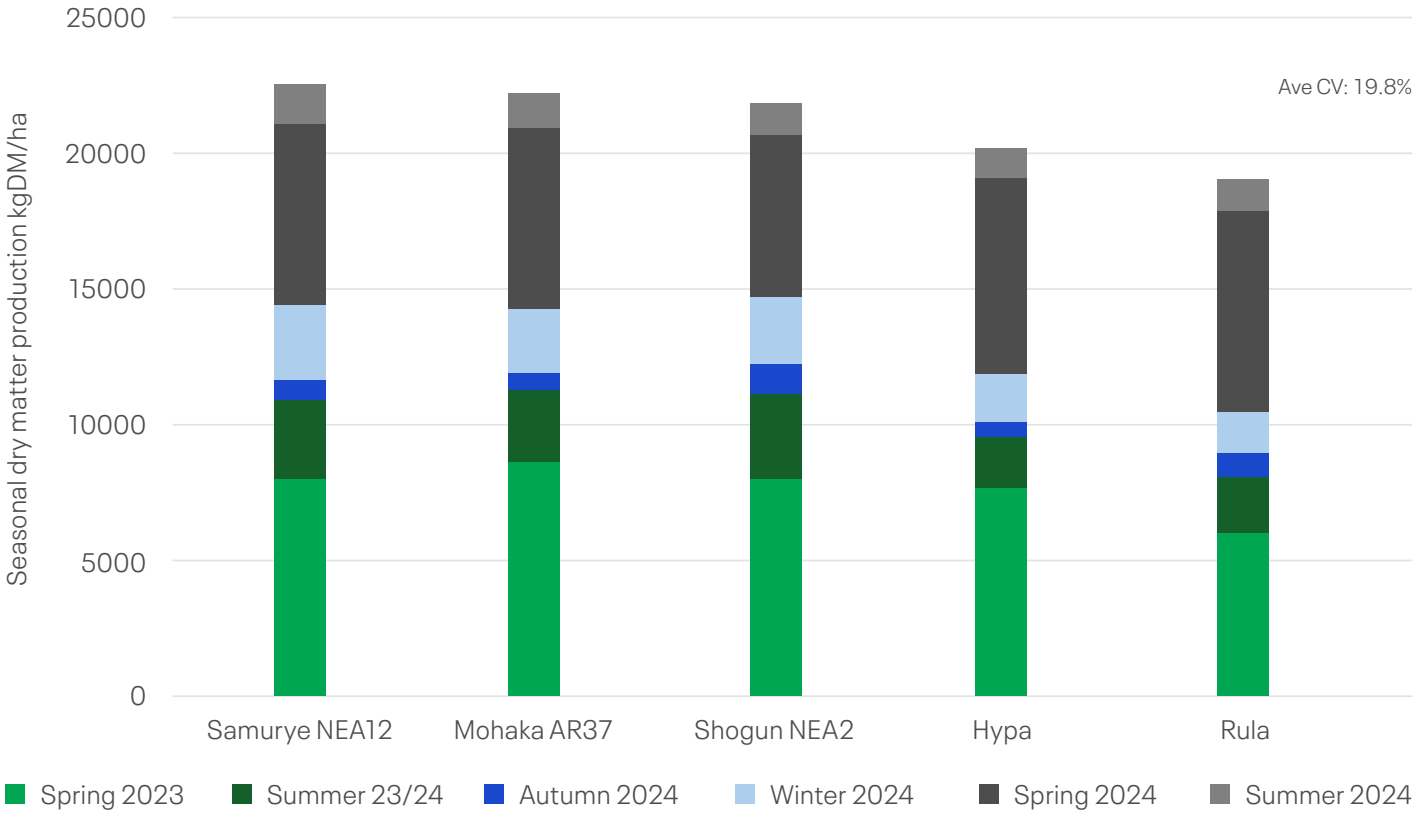


FIGURE 11: Seasonal accumulated dry matter production of hybrid ryegrasses. Terang, VIC 2023-2024.





DLF Seeds

ANVIL AR37

Anvil AR37

TETRAPLOID HYBRID RYEGRASS



Sowing rate	20-30kg/ha (sole) 15-25kg/ha (mixed)
Heading date (days)	+30 **Pasture life (years)** 2-4
Rainfall/Irrigation	Minimum 600mm+ p.a
Used for	

Elite and leafy hybrid ryegrass with AR37 insect protection

Anvil AR37 tetraploid hybrid ryegrass is the next step in elite, hybrid ryegrass genetics, offering a noticeable step up in performance compared to other leading hybrids. Delivering the perfect balance of summer quality and autumn-to-winter bulk, Anvil AR37 showcases an eye catching, robust and palatable leaf with impressive density.

Ideal for dairy and finishing systems, Anvil AR37 is a versatile, high performing ryegrass that delivers Italian like winter production combined with industry leading summer and autumn growth. Building on the solid hybrid breeding that produced Mohaka AR37, Anvil AR37 delivers increased autumn production, year round performance and high insect control from AR37 endophyte.

- Extremely leafy through spring and summer
- High rust tolerance
- Late heading date for exceptional summer performance
- High tiller density with dense, robust growth
- 2-4 year pasture rotation
- Leafy and very high yielding

For important information on insect control and animal safety, see page 106-107 of the 2026 DLF Seeds Guide or visit www.dlfseeds.com.au/advice/pasture/endophytes

NEW: Autumn 2026 ex harvest (limited)

"We've been evaluating Anvil AR37 across Australia for several years, and it consistently stands out as one of the top performing cultivars, delivering outstanding dry matter production wherever conditions allow. Anvil AR37 is an elite, dense, and leafy new generation hybrid ryegrass, perfect for high performance systems where growers want to push productivity and keep quality going well into the season."

Isaac Berry
DLF Seeds Technical Services Manager VIC 2025

Seed portfolio:
AGRICOM Pastures for Profit®

DLF Seeds

1800 619 910 | dlfseeds.com.au

ITALIAN RYEGRASS

Available from your local rural retailer.

DLF Seeds Italian ryegrass varieties establish well and deliver high quality pasture for 1 to 2 years. It's a versatile forage option for grazing, hay and silage, offering bulk winter feed and strong regrowth through autumn, winter and spring. Ideal for cattle and sheep, with best results achieved under rotational grazing.

Profitable pasture mixes: For custom mix advice, reach out to your local rural retailer, your DLF Seeds Sales Agronomist OR, see our MAXImiser® mix range at the back of this guide.

Used for key

Beef | Dairy | Sheep | Hay | Silage



DLF Seeds

SHIFT



Shift

TETRAPLOID ITALIAN RYEGRASS



Sowing rate	25-40kg/ha (sole) 15-25kg/ha (mixed)
Heading date (days)	+16
Pasture life (years)	1–2
Rainfall/Irrigation	Minimum 500mm p.a
Soil fertility	Medium – High
Used for	

A shift forward in Italian ryegrass dry matter production

Featuring strong establishment and rapid winter growth, Shift tetraploid Italian ryegrass has demonstrated its superior performance compared to traditional Italians; outperforming Feast® II and Nourish® Italian ryegrass across multiple years and trial sites. As a high yielding tetraploid, Shift is an ideal fit for sheep, beef, and dairy systems seeking a high yielding, fast starting tetraploid for reliable grazing, hay and silage production.

Thriving in and bred for Australian conditions, Shift provides long lasting, leafy, feed due to its mid to late heading date (+16). With annual like vigour and second year reliability, Shift is the dependable feed source you can count on for palatable feed, increased dry matter production and rapid winter growth.

- Exceptional first season production and annual like early vigour
- Rapid and extremely strong establishment vigour
- Reliable second year feed for reduced re-sowing pressure
- Proven performance across multiple years and trial sites
- Big, broad, upright showy leaf
- Australian bred, tested and selected

NEW: Autumn 2026 ex harvest (limited)

"We sowed Shift tetraploid Italian ryegrass on our farm after a very late break this year. We sowed as we needed quick feed for grazing with upside of quality late in the season and, give us flexibility to cut silage or hay depending on how the season went."

DLF Seeds Tom Hunt
South West VIC 2025

Seed portfolio:
DLF Seeds

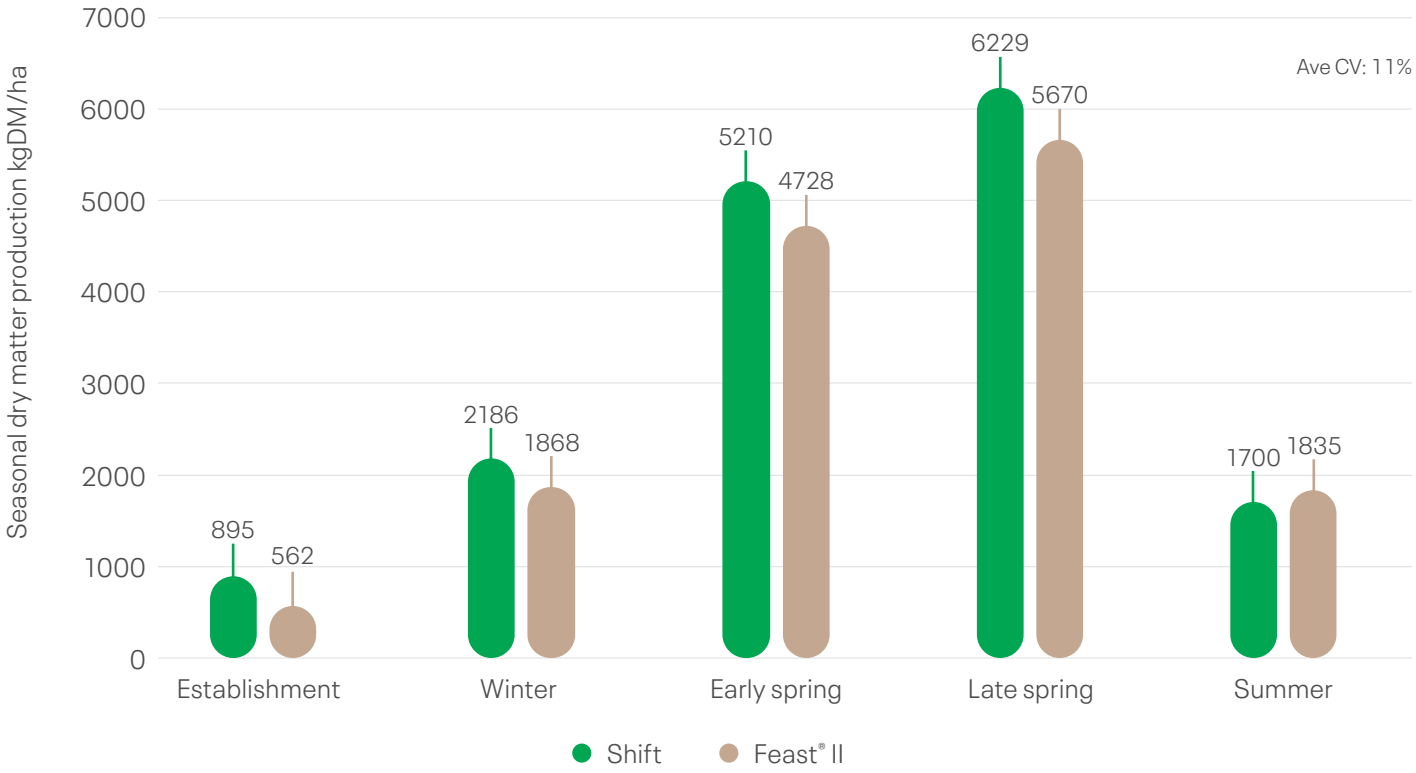
Breeding

Shift was Australian bred, tested and selected for its improved production and establishment vigour compared to Feast® II and Nourish® Italian ryegrass. As a result, Shift was selected to...

- maximise dry matter production in the first 12 months.
- provide farmers with a quality Italian ryegrass suited to Australian short term ryegrass systems.
- optimise second year recovery.
- have an upright growth habit to complement legumes and herbs within a mix.

Sow Shift for consistent and reliable high performance

FIGURE 12: Multi site, Italian ryegrass seasonal dry matter production trials comparing Shift and Feast® II.
8 trials 2021-2023, Scone NSW, Ballarat VIC, Terang VIC.



Across multiple seasons, Shift consistently outperforms Feast® II Italian ryegrass.

Figure 12 trial analysis:

Explosive speed of establishment

- 330kg DM/ha increase.
- **Comparative ROI $ value:** An extra $138 per hectare return on investment

Improved winter yield

- 318kg DM/ha increase.
- **Comparative ROI $ value:** An extra $133.00 per hectare return on investment in winter

Impressive spring flush

- 1041kg DM/ha increase.
- **Comparative ROI $ value:** An extra $365.00 per hectare return on investment in spring

Why is this important?

Winter: Proven across multiple environments, Shift's consistent high winter production and early vigour create a reliable feed base when its needed most.

Spring: As a key time to capture high quality fodder reserves and maximise grazing opportunities, Shift's high spring dry matter production is ideal for maximising milk in the vat, animal weight gains, and hay/silage production.

Note: Return on investment $ values are based on values obtained from the Forage Value Index (FVI). The FVI values autumn feed at $420/tDM, winter feed at $420/tDM compared and spring at $350/tDM – Gippsland 2025 Italian ryegrass table (FVI Gippsland Autumn $0.42 per kg/DM).

DLF Seeds

CONCORD® II



Concord® II

DIPLOID ITALIAN RYEGRASS



Sowing rate	20-35kg/ha (sole) 15-20kg/ha (mixed)
Heading date (days)	+19
Pasture life (years)	1-2
Rainfall/Irrigation	Minimum 600mm+ p.a
Used for	

Proven performer

Concord® II is an outstanding Italian ryegrass with exceptional speed of establishment. It delivers increased winter production and solid seasonal dry matter production with the ability to carry through to the second year where conditions allow. The breeding background for Concord® II had a focus on seedling vigour which is a very important trait for the Australian environment. Seedling vigour has certainly been achieved, especially when compared against the original Concord®.

- Exceptionally fast to establish
- Even growth over the season
- Regrowth into the second season is very good, given favourable conditions
- Excellent disease resistance

→ **Sow with other ryegrasses and clovers to maximise forage opportunities and fix free atmospheric Nitrogen from the clovers**

Seed portfolio:

PGG Wrightson Seeds

Blend recommendation

Ask us about MAXImiser® Italian Stallion.

Contains: Concord® II Italian, Manta Italian and Thumpa Italian ryegrasses.

SCAN ME

Concord® II diploid Italian ryegrass video

DLF Seeds

MANTA



Manta

DIPLOID ITALIAN RYEGRASS



Sowing rate	20-35kg/ha (sole) 15-25kg/ha (mixed)
Heading date (days)	+15
Pasture life (years)	1-2
Rainfall/Irrigation	Minimum 600mm p.a
Used for	

Fast establishing Italian with outstanding cool season growth

Manta Italian ryegrass is the latest diploid Italian ryegrass from Agricom. Manta has explosive establishment speed being the fastest starting genetics we have seen to date. This fast establishment allows farmers to plant with confidence, growing quick feed before winter sets in.

Manta has strong cool season growth with excellent spring yields; being Agricom's highest yielding diploid Italian means more grass grown for meat, milk and hay production. Trialled, tested and commercialised in Australia based on Australian data and Australian conditions.

- Fast establishment speed
- Good cool season growth
- Large leaf compared to other diploid Italians
- Impressive spring growth and high total dry matter production
- Versatile performer across all Australian temperate ryegrass regions

Seed portfolio:

AGRICOM Pastures for Profit®

Mix recommendation

Ask us about MAXImiser® Haymaker 700MM.

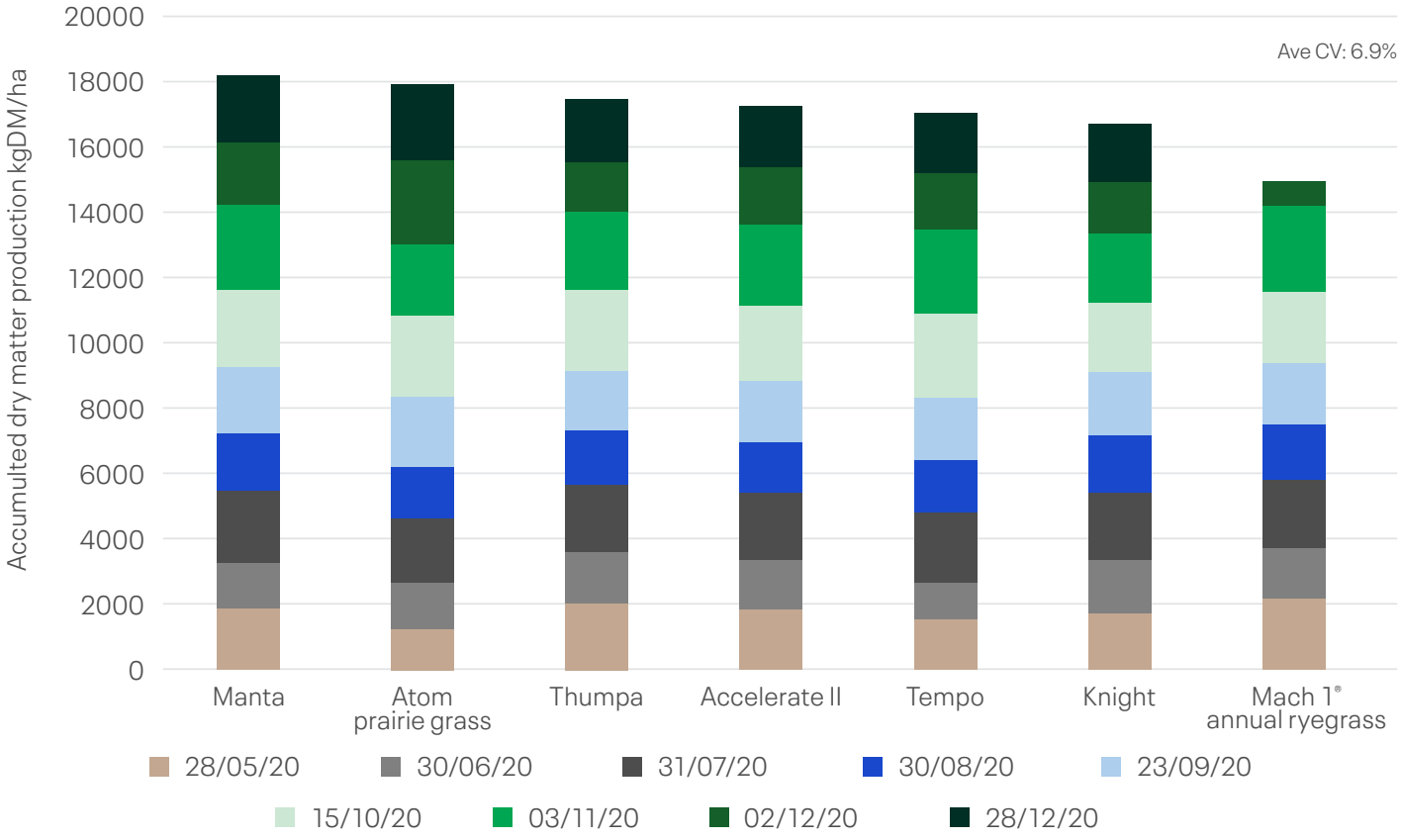
Contains: Manta Italian and Thumpa Italian ryegrasses, Shaftal Persian and Viper balansa clovers.

SCAN ME

Manta diploid Italian ryegrass video

Fast establishing Manta diploid Italian ryegrass demonstrates outstanding cool season growth.

FIGURE 13: Accumulated dry matter of short term ryegrass and prairie grass, Scone NSW 2020*.



*9 cuts from 28/5/20 to 28/12/20



Mona

TETRAPLOID ITALIAN RYEGRASS



Sowing rate	20-35kg/ha (sole) 15-25kg/ha (mixed)
Pasture life (years)	1-2
Heading date (days)	+28
Rainfall/Irrigation	Minimum 600mm+ p.a
Used for	

Seed portfolio: DLF Seeds

All the benefits of a late heading date without the compromise

Mona tetraploid Italian ryegrass has improved production across all seasons.

Mona's very late heading date prolongs the spring grazing period for farmers, offering high quality grazing options or a cut of leafy, high yielding silage. Uncompromised by its late heading, Mona displays good winter and early spring growth.

- Very late heading date (+28)
- Extended seasonal quality and improved summer survival
- Uncompromised by late heading date
- High quality forage and grazing
- Quality hay and bulky silage

Jackpot

DIPLOID ITALIAN RYEGRASS



Sowing rate	25-35kg/ha (sole) 10-20kg/ha (mixed)
Pasture life (years)	1-2
Heading date (days)	+22
Rainfall/Irrigation	Minimum 600mm+ p.a
Used for	

Seed portfolio: DLF Seeds

Fine leaf and increased dry matter production

Jackpot is a late flowering, diploid Italian ryegrass with a fine leaf and is quick out of the ground. Bred for increased feed production, Jackpot produces high amounts of dry matter in winter and spring for up to 2 years in favourable conditions.

The late spring growth of Jackpot allows farmers to take advantage of mid-spring rainfall and is an excellent option for traditional Italian ryegrass regions.

- Excellent long season production (+22 days)
- Strong second year survival
- Bred for increased dry matter production
- Fine leaf

Thumpa

TETRAPLOID ITALIAN RYEGRASS



Sowing rate	25-35kg/ha (sole) 15-25kg/ha (mixed)
Pasture life (years)	1-2
Heading date (days)	+22
Rainfall/Irrigation	Minimum 600mm+ p.a
Used for	

Seed portfolio: DLF Seeds

Quick to establish and late to flower

Selected for its high yields and rapid establishment, Thumpa displays the classic qualities of a good tetraploid Italian ryegrass. Quick to establish and ideal for rotational grazing, Thumpa is an excellent winter crop solution for Australian sheep, beef or dairy farmers.

As a tetraploid that flowers late, Thumpa stays upright and provides high quality feed late into the season.

- High quality grazing, hay and silage
- High yielding
- Strong seedling vigour and early winter growth
- Valuable feed wedge heading into winter
- Late flowering

DLF Seeds

1800 619 910 | dlfseeds.com.au

ANNUAL RYEGRASS

Available from your local rural retailer.

DLF Seeds annual ryegrass varieties are highly adaptable forage options that perform well across a wide range of soils and climates. Lasting for up to 1 year, annual ryegrass delivers quick feed when its needed most.

Profitable pasture mixes
For custom mix advice, reach out to your local rural retailer, your DLF Seeds Sales Agronomist OR, see our MAXImiser® mix range at the back of this guide.

Used for key





DLF Seeds

REVEL

Revel

TETRAPLOID ANNUAL RYEGRASS

NEW



Sowing rate	25-40kg/ha (sole) 15-25kg/ha (mixed)
Heading date (days)	+12
Pasture life (years)	1
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

[#] For winter production, Revel ranked number 1 across all 5 Australian states in the 2025, Dairy Australia's Forage Value Index.

The reliable fast starter with high performance across multiple regions

Rigorously tested and thoroughly developed through various Australian DLF Seeds trial sites/breeding programme, Revel excels both on farm and in independent trials, ranking as the top performer in Dairy Australia's Forage Value Index for winter production, across all five states[#].

As a fast starting tetraploid with late season spring growth, Revel provides farmers with palatable winter feed and early vigour for more feed, more milk, more meat and, a higher return on their seed investment compared to older annual ryegrass seed varieties.

Providing reliable feed in Australian conditions, Revel delivers top tier performance, industry leading winter dry matter production, palatability and reliability across all regions and varying climates.

- Vigorous early establishment followed by strong late spring production
- Industry leading winter production[#]
- A mid-late heading for extended quality and growth (+12)
- Rapid recovery after grazing, hay and silage cuts
- Proven genetics and well established parentage (includes Mach 1® parentage)

Seed portfolio:

DLF Seeds

SCAN ME
For full Revel tech sheet

FIGURE 14: Accumulated seasonal dry matter production of Revel. Multisite combined seasonal analysis
(8 trials 2021-2023, Scone NSW, Ballarat VIC, Terang VIC).

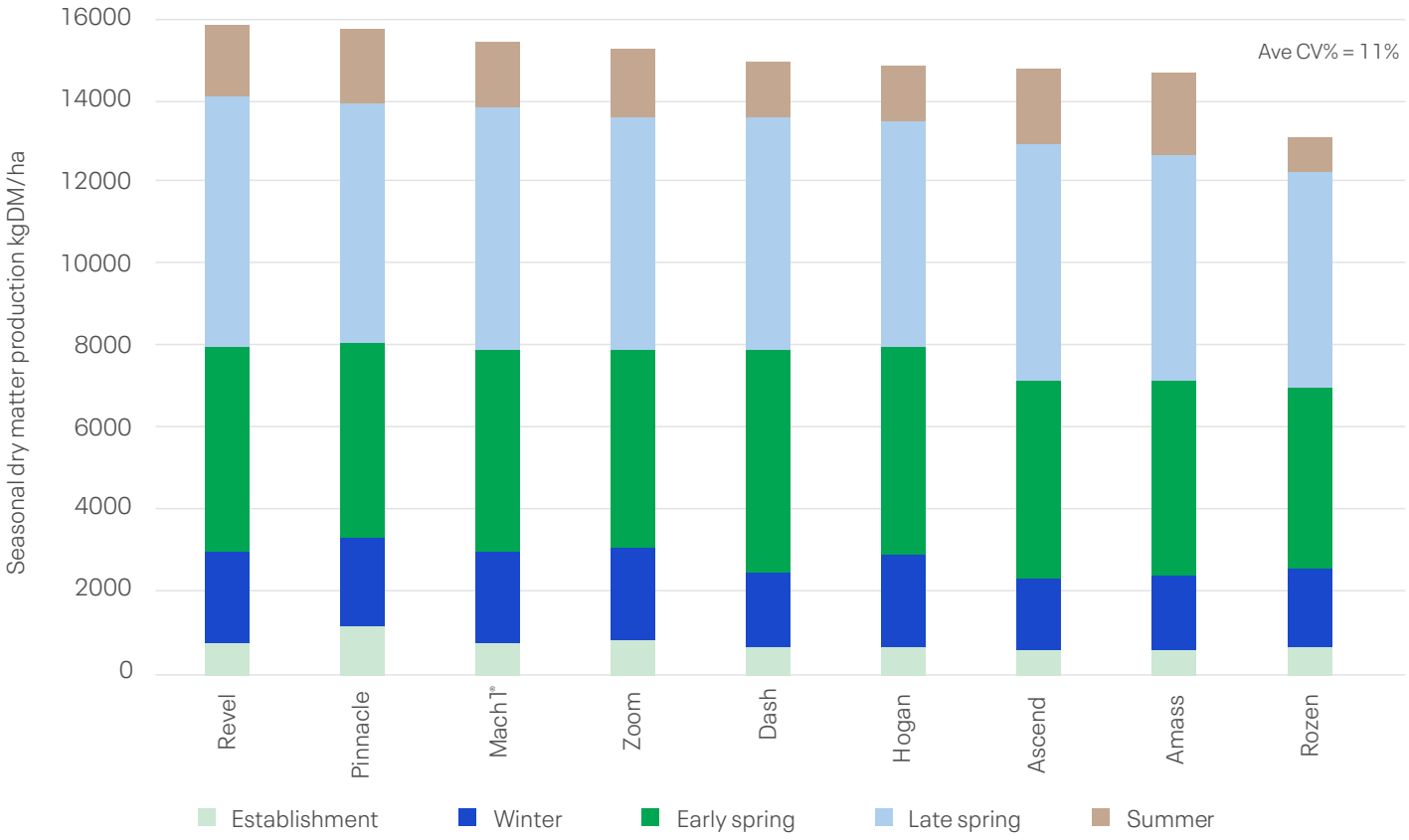
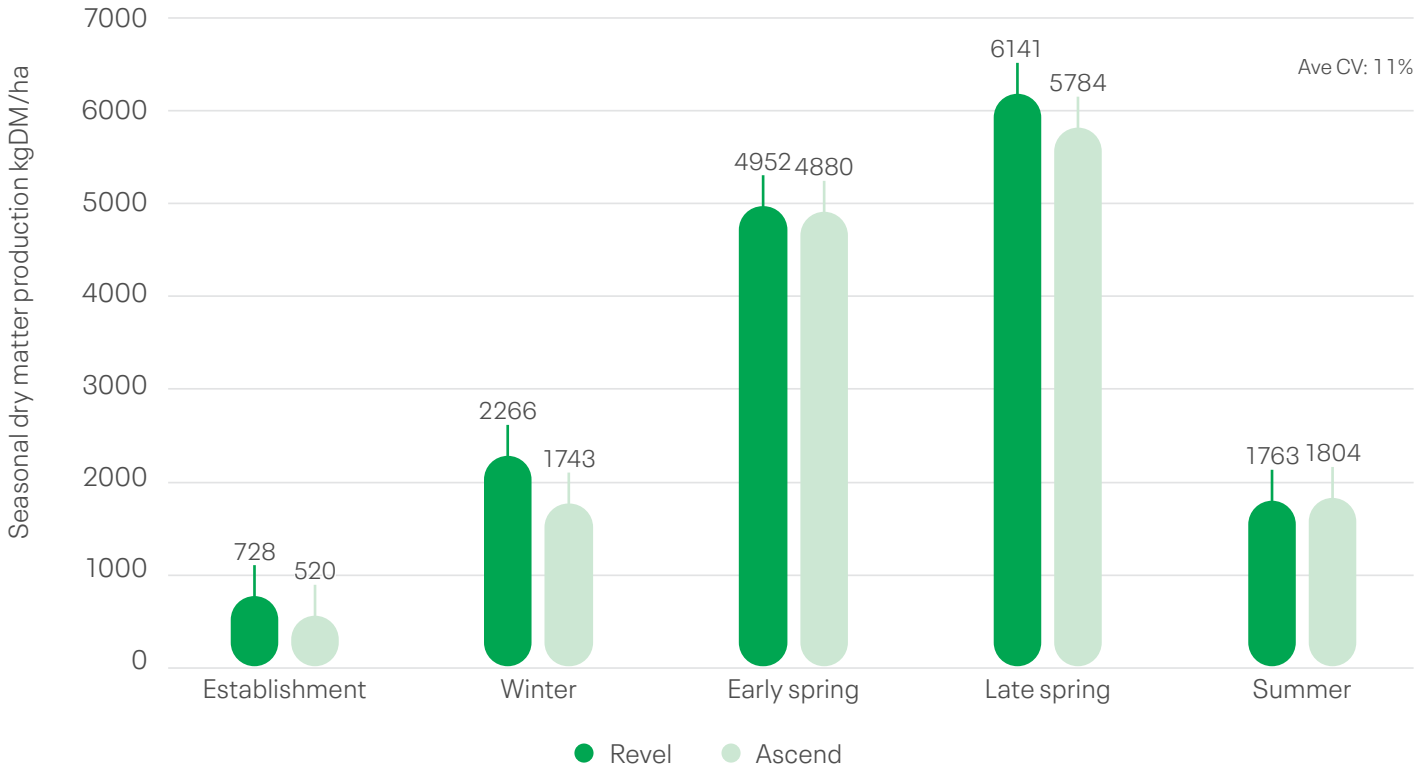
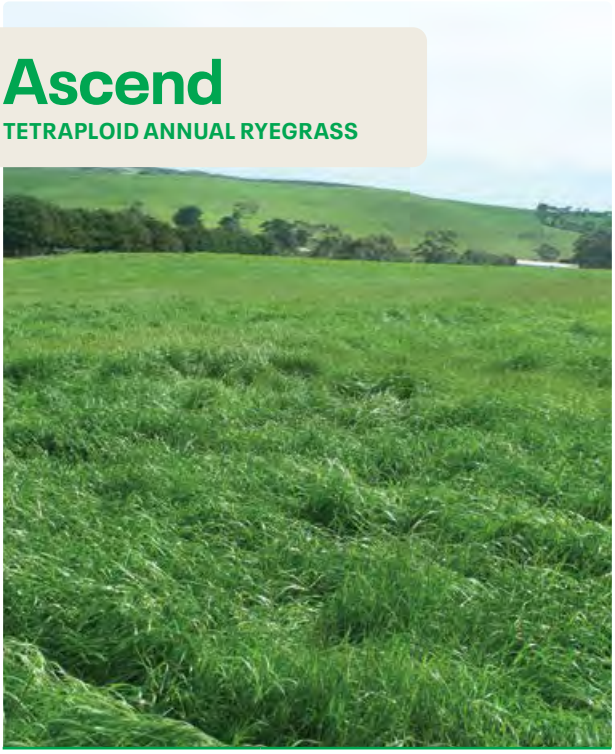


FIGURE 15: Seasonal dry matter production of Revel vs Ascend.
Multisite combined seasonal analysis (8 trials 2021-2023, Scone NSW, Ballarat VIC, Terang VIC).



Ascend

TETRAPLOID ANNUAL RYEGRASS



Sowing rate	25-40kg/ha (sole) 15-25kg/ha (mixed)		
Heading date (days)	+9	**Pasture life (years)**	1
Rainfall/Irrigation	Minimum 500mm p.a		
Used for			

Maintain quality late into the season

Ascend was selected by plant breeders for its exceptional seedling vigour and ability to provide valuable forage from early winter through until late in the growing season. With improved rust tolerance, Ascend maintains high leaf quality enabling excellent pasture utilisation as well as silage and hay quality during the spring and summer months.

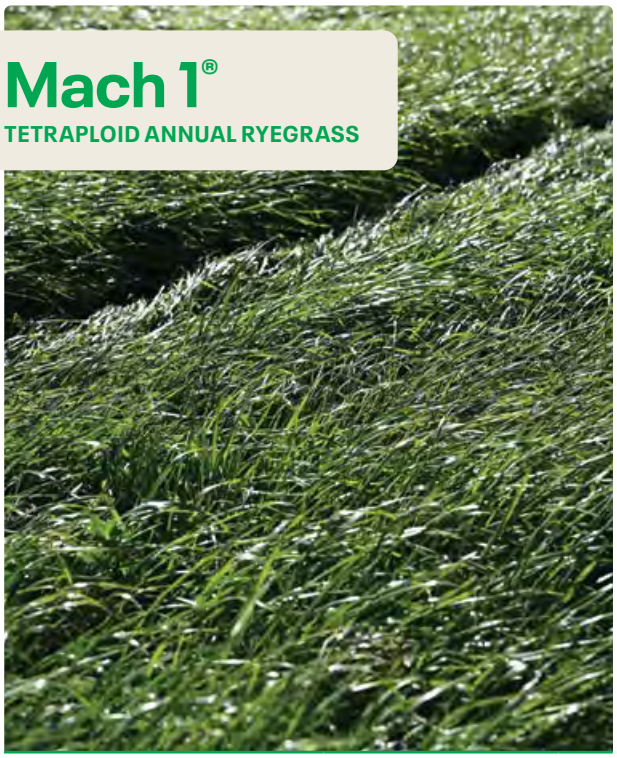
- Exceptional seedling vigour
- Improved early winter production
- High rust tolerance
- Maintains quality late into the season
- Offers real flexibility

→ **Excellent total dry matter production**

Seed portfolio: PGG Wrightson Seeds

Mach 1®

TETRAPLOID ANNUAL RYEGRASS



Sowing rate	25-40kg/ha (sole) 15-25kg/ha (mixed)		
Heading date (days)	+8	**Pasture life (years)**	1
Rainfall/Irrigation	Minimum 500mm+ p.a		
Used for			

Rapid recovery

Mach 1® is a fast establishing, high yielding tetraploid annual ryegrass that produces high quality feed well into spring and early summer. It has excellent recovery from grazing, matures late and is a great option for quality hay and silage. Rotationally graze for maximum growth rates and apply hay booster type fertilisers for extra dry matter production.

- Good seedling vigour and pasture establishment
- Rapid post grazing recovery
- Bred for improved rust and leaf spot resistance
- Mid heading (+8) ryegrass suited to silage/early hay production

Seed portfolio: DLF Seeds

Mach 1® mix recommendation

Ask us about MAXImiser® Haymaker 400mm.

Contains: Mach 1® annual, Abundant annual ryegrasses, Taipan balansa and Shaftal Persian clovers.

Abundant

TETRAPLOID ANNUAL RYEGRASS



Sowing rate	25-40kg/ha (sole) 15-25kg/ha (mixed)
Pasture life (years)	1
Heading date (days)	+6
Rainfall/Irrigation	Minimum 500mm+ p.a
Used for	

Seed portfolio: DLF Seeds

The palatable, and adaptable tetraploid

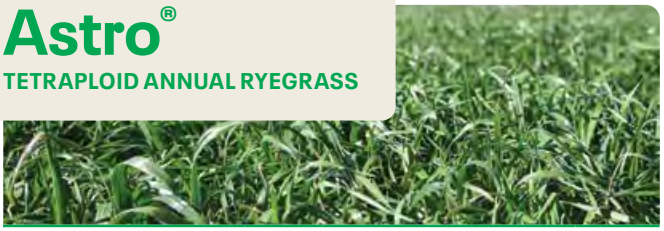
Abundant tetraploid annual ryegrass is a proven favourite of Western Australian farmers due to its adaptability, and palatability (which also translates to other regions of Australia). Bred for its high performance, vigour and disease resistance, Abundant can thrive in difficult conditions.

As a mid-late season variety, Abundant has a strong up-right growth habit, fine stems and can tolerate short periods of waterlogging. Vigorous and quick to establish, Abundant provides farmers with high quality forage, hay, silage, and grazing opportunities.

- Quality grazing, hay and silage production
- Bred for early seed vigour and disease resistance
- Palatable with excellent regrowth
- Adaptable to a range of soil types and climatic conditions
- High dry matter production

Astro®

TETRAPLOID ANNUAL RYEGRASS



Sowing rate	25-40kg/ha (sole) 15-25kg/ha (mixed)
Pasture life (years)	1
Heading date (days)	+3
Rainfall/Irrigation	Minimum 500mm+ p.a
Used for	

Seed portfolio: DLF Seeds

Cost effective option for quick winter feed

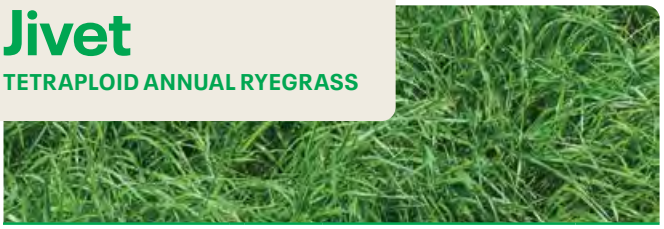
Early maturing Astro® annual ryegrass continues to be a great low cost option when quick winter feed is the priority. Astro®'s excellent seedling vigour combined with early maturity provides growers the option of early winter to spring grazing along with an early cut of silage enabling timely preparation for sowing of summer forage crops.

The combination of impressive seasonal dry matter yields and fast post grazing recovery means Astro® can be relied on to supply quality feed during those times of the year when you need it most.

- Good seedling vigour and pasture establishment
- Rapid post grazing recovery
- Selected for improved rust and leaf spot resistance
- Early heading ryegrass suited to silage/early hay production

Jivet

TETRAPLOID ANNUAL RYEGRASS



Sowing rate	25-40kg/ha (sole) 15-25kg/ha (mixed)
Pasture life (years)	1
Heading date (days)	+18
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

Seed portfolio: DLF Seeds

Outstanding late season performance

With the rapid establishment of Jivet tetraploid annual ryegrass, farmers benefit from excellent winter production and maintained spring quality. Jivet's +18 heading date provides a long growth period, allowing for a high stock carrying capacity, additional grazings and flexibility.

- Rapid establishment and strong spring production
- Excellent quality silage
- Maintained spring quality
- Excellent disease resistance
- Strong animal performance

DLF Seeds

FEROZ



Feroz

DIPLOID ANNUAL RYEGRASS



Sowing rate	20-30kg/ha (sole) 10-20kg/ha (mixed)
Heading date (days)	-5
Pasture life (years)	1
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

The big, bold, eye catching diploid annual ryegrass bred for early production

Bred in South America with high resistance to Grey Leaf Spot and tested under Australian conditions, Feroz is a new early heading diploid annual ryegrass that delivers high winter and early spring yields. As a strong performer across key growing regions, Feroz delivers feed when its needed most with a robust, densely tillered, extremely upright growth habit.

- Early maturing diploid annual ryegrass
- High resistance to Grey Leaf Spot
- Fast establishment for a diploid
- Large, showy wide leaf
- High winter and spring yields
- Strong recovery after grazing and cutting

NEW: Autumn 2026 ex harvest (limited)

Seed portfolio:

DLF Seeds

DLF Seeds

1800 619 910 | dlfseeds.com.au

Used for key

Beef | Dairy | Sheep | Hay | Silage

DEEP ROOTED & DRYLAND GRASSES

Available from your local rural retailer.

Phalaris: Persistent and drought tolerant with the ability to provide feed throughout autumn winter and spring; within a permanent pasture system (pasture life 5-7 years+).

Continental tall fescue: A deep rooted, long lasting perennial grass valued for its summer productivity, moisture responsiveness, and suitability in areas where ryegrass struggles to persist (Quantica MaxP®).

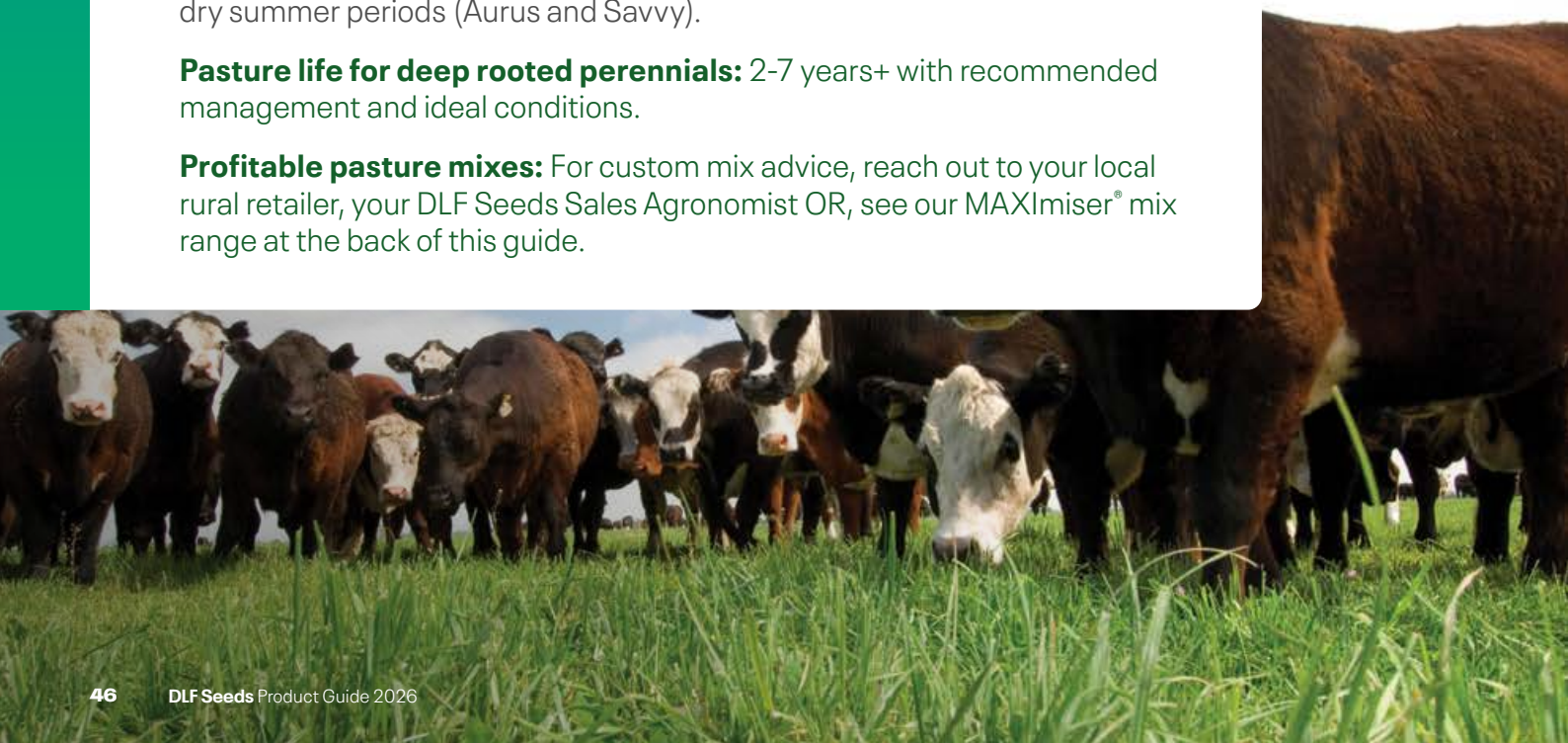
Mediterranean tall fescue: Winter productive, deep rooted, long lasting perennial grass that can be sown as an alternative to Phalaris or ryegrass.

Prairie grass: A versatile forage option that delivers palatable, high quality feed during cooler seasons, with strong winter growth and better heat tolerance than ryegrass.

Cocksfoot: Sown for its drought tolerance and ability to thrive in low fertility soils and lighter soils, Cocksfoot is ideal for challenging environments. It can provide persistent, high quality feed for grazing livestock, especially during dry summer periods (Aurus and Savvy).

Pasture life for deep rooted perennials: 2-7 years+ with recommended management and ideal conditions.

Profitable pasture mixes: For custom mix advice, reach out to your local rural retailer, your DLF Seeds Sales Agronomist OR, see our MAXImiser® mix range at the back of this guide.





DLF Seeds

QUANTICA MAXP®

Quantica MaxP®

CONTINTENTAL TALL FESCUE



Sowing rate	20-25kg/ha (sole) 15-25kg/ha (mixed)
Heading date	Early **Pasture life (years)** 5+
Rainfall/Irrigation	Minimum 700mm p.a
Used for	

Soft, fine leaved continental tall fescue with strong insect protection

Quantica is a soft, finely leaved continental tall fescue selected for improved animal palatability and rust resistance. Quantica is a deep rooted, robust, productive variety offering more persistence than perennial ryegrass and can tolerate waterlogging, salinity, pasture pests (from MaxP® endophyte), heat and some drought conditions.

- Soft fine leaves providing increased palatability
- Trialled and tested in Australian conditions
- Insect protection from MaxP® endophyte
- Improved cool season growth and low aftermath heading
- Excellent dryland production and autumn drought recovery
- High disease resistance (crown rust)
- Low aftermath heading

MaxP® endophyte

Suitable for

A premium endophyte protecting tall fescue with no known animal health impacts for beef, sheep and dairy.

Pests controlled: African Black Beetle, Agrentine Stem Weevil, Root Aphid and limited control of Field Cricket.

Benefits of tall fescue with MaxP® endophyte:

- An endophyte that improves the ability of tall fescue pastures to handle pest attack and possibly moisture stress
- Aids persistence and performance of tall fescue
- No known adverse animal health effects in beef, sheep and dairy

Seed portfolio:

PGG Wrightson Seeds

DLF Seeds

TEMORA



Temora

MEDITERRANEAN TALL FESCUE



Sowing rate	4-20kg/ha (sole) 4-10kg/ha (mixed)
Heading date	Early **Pasture life (years)** 5+
Rainfall/Irrigation	Minimum 400mm+ p.a
Used for	

Palatable with greater tiller density

Temora winter active tall fescue is a summer dormant, deep rooted perennial that offers improved persistence for Australian producers. Temora has been bred for greater tiller density, leading to increased yield at critical times such as autumn and winter.

Ideally suited for low to medium rainfall areas with heavier soil types, Temora is a great option for filling the feed gap soon after the opening rains.

- Summer dormant
- Increased tiller density
- Excellent seasonal dry matter production
- Palatable when rotationally grazed

Seed portfolio:

PGG Wrightson Seeds

Mix recommendation

Ask us about MAXImiser® Winter active fescue.

Contains: Temora tall fescue, Riverina and Coolamon sub clovers.

DLF Seeds

CONFEDERATE



Confederate

PHALARIS



Sowing rate	1-4kg/ha (sole) 1-3kg/ha (mixed)
Pasture life (years)	5+
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

Bred for Australian farmers

Confederate phalaris is a winter active phalaris that is best suited to 500mm+ rainfall and heavier soil types. It has a similar growth habit to Sirosa and Holdfast. The selection criteria was for strong winter activity combined with low alkaloid production and improved late season growth. Confederate prefers rotational grazing and tolerates periods of set stocking.

Bred in Australia, Confederate phalaris has been trialled extensively at Ballarat (VIC), Lismore (VIC), Maryborough (VIC) and central/southern NSW alongside many of the commercially available phalaris varieties. It has proven itself as a strong performing, winter active variety with excellent seasonal dry matter production, good persistence and the benefit of low levels of alkaloids.

- Winter active with excellent dry matter production
- Selected for disease resistance to maintain high quality feed
- Excellent companion with clovers to provide high quality pastures for dryland systems

→ **Low levels of the alkaloids which are known to cause phalaris staggers**

Seed portfolio:

PGG Wrightson Seeds

"Our country is only a light sandy loam, but Confederate just seems to thrive and do really well. Any spit of rain or subsoil moisture will keep it growing, and in fact, we've just turned a big mob of heifers in there because it is still green at the end of February even though we haven't had any rain for December, January or February."

Anthony Pearce
Agronomist at Hills Farm Supplies, SA

2023 ARTICLE

Confederate phalaris pastures are still standing strong and continuing to impress local graziers almost a decade after their first test in the region by Agronomist Anthony Pearce.

"We got some Confederate before it was released – it was still just a line number – and sowed it in a strip trial near Mount Barker against six other phalaris varieties, including some of the biggest name GT varieties on the market at the time," Anthony said.



Agronomist, Anthony Pearce

"Our goal was to find a phalaris that would provide reliable grazing, year in, year out, under various management systems, and that's what Confederate has done. It has performed really admirably."

Anthony said a dry matter yield assessment in year three revealed no discernible productivity differences between the different phalaris varieties and the feed quality of Confederate has been consistently good. ***"In mid-winter, we have seen Confederate test around the low 30s for protein and 11 ME with an NDF of about 42,"*** he said. ***"We get a really nice response from Confederate – it's just very honest and consistent."***



Confederate has been successfully grown by many of his clients across the Adelaide Hills, including mixed farmer Paul Edwards from Birdwood.

Paul runs cattle and sheep as well as growing wine grapes.

He sowed his first Confederate phalaris and Aurus cocksfoot multi-species pasture mix in June 2021 and has continued to renovate paddocks using the same pasture base every year since.

The combination of Confederate phalaris and Aurus cocksfoot is one of Anthony's preferred seed mixes for an easy to manage, quality pasture base with good grazing tolerance.

"Confederate does the winter work, while Aurus responds to summer rain, grows well through autumn and keeps its forage quality through spring," Anthony explained.

While conditions were terrible for sowing, both too dry and then too wet, and the paddock was underprepared, Paul said it came up magnificently and performed extremely well.

"The next year we planted more and it also performed well, so we've asked our seed supplier to make sure he's got plenty on hand so we can make Confederate our main base for multi-species plantings for years to come," he said.

"Our country is only a light sandy loam, but it just seems to thrive and do really well. Any spit of rain or subsoil moisture will keep it growing, and in fact, we've just turned a big mob of heifers in there because it is still green at the end of February even though we haven't had any rain for December, January or February."

For beef and sheep grazing, Anthony said Confederate was his absolute 'go to' variety, but he has also introduced it to some dryland dairies where it has played a role in delivering strong winter feed along with Gibberellic acid.

"Having those paddocks of phalaris as part of the grazing mix means the farmers are able to extend their rotations a bit longer and cut silage a little earlier," he said.

For beef and sheep operations, he said one of the main strengths of Confederate is its tolerance to grazing and persistence.

"One of the things I like about it is its ability to persist and keep performing with minimal attention. It doesn't need any TLC and the pastures are lasting," said Anthony.

"At this point in time, I can't see any of those Confederate-based pastures needing to be removed," he said.

"It is going to come down to farmers choosing to get rid of them before they disappear, but for that to happen,

there would need to be another variety that performs significantly better in a number of ways."

"Confederate has stood up to the challenge and is still standing strong, still performing across a number of properties and providing excellent value for sowing in 2023."

While it is early days for Paul, he can't see that he will be losing his pastures any time soon.

He has found that grazing hard with larger mobs of cattle or sheep at a stocking rate of 18 DSE/ha over a few weeks keeps the pasture down and growth even. The stock are coming off in good condition due to the balance of nutrition in the pasture mix.

"We don't do anything special to look after it, just apply 100 kg/ha of single superphosphate each year and just sit back and enjoy it," Paul said.

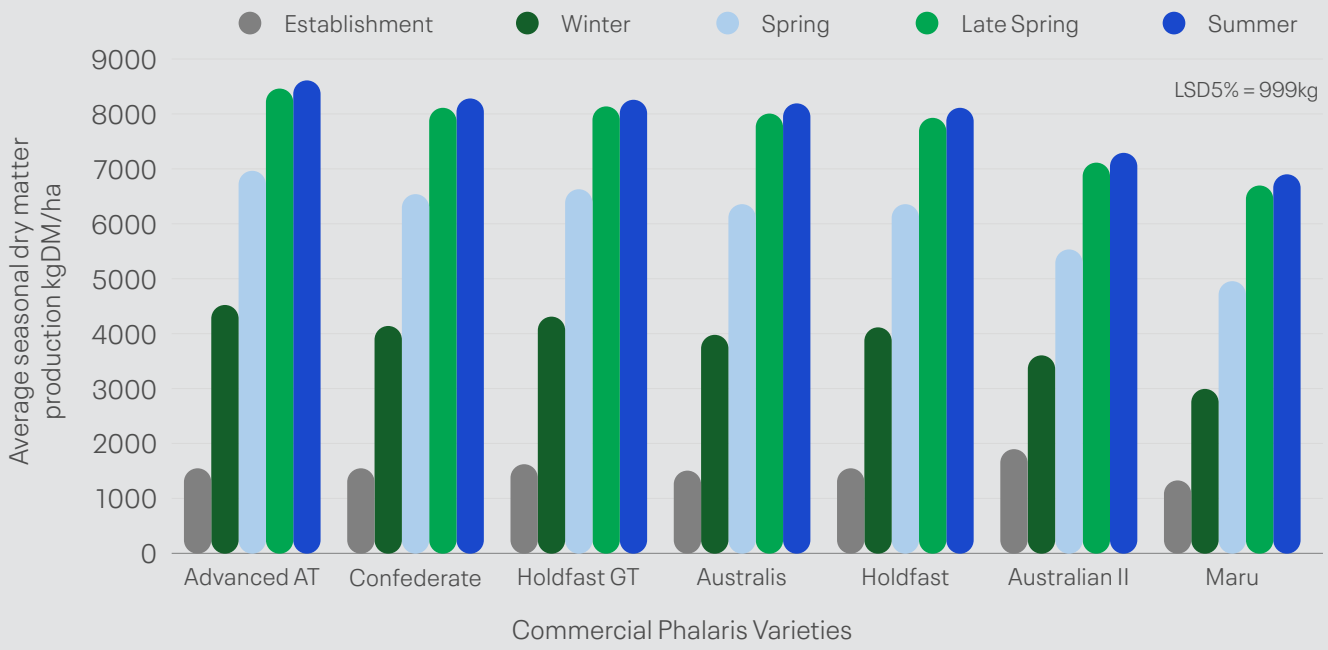
"We're always happy to recommend and support a good product or service in farming, and if anyone wants to see the proof in the pudding, they are very welcome to come and have a look," Paul concludes.



Confederate phalaris stands strong for local graziers

Phalaris trial analysis

FIGURE 16: 2012 Stage 2 Phalaris Trial at Lismore, VIC.



Trial note

The above graph shows seasonal dry matter production of Confederate phalaris compared to other commercial Phalaris varieties available at the time. Sown at Lismore, south-west Victoria, in autumn 2012 with an average of 3 years production. The Lismore, Victoria area traditionally use Phalaris' as a pasture base for many livestock production systems.

Aurus
COCKSFOOT



Sowing rate	8-10kg/ha (sole) 4-6kg/ha (mixed)		
Pasture life (years)	5+	**Heading date**	Early
Rainfall/Irrigation	Minimum 600mm p.a		
Used for			

Seed portfolio: PGG Wrightson Seeds

Strong winter growth and overall total yield

Aurus is an upright, summer active cocksfoot with strong winter growth and a parentage that combines Uruguayan and French genetics. This combination provides both good winter growth and overall total yield. For a cocksfoot, Aurus displays strong seedling vigour and establishment and with its upright growth habit is well suited to being sown with clover or lucerne mixed pasture swards.

- High yielding variety with improved winter activity over Tekapo
- Upright growth habit
- Strong seedling vigour enabling rapid establishment
- Excellent reseeding ability to ensure strong persistence
- Excellent drought tolerance in an appropriate rainfall zone

Savvy
COCKSFOOT



Sowing rate	8-10kg/ha (sole) 4-6kg/ha (mixed)		
Pasture life (years)	5+	**Heading date**	Mid
Rainfall/Irrigation	Minimum 700mm+ p.a		
Used for			

Seed portfolio: Agricom

Exceptional disease resistance

Savvy cocksfoot is a new age, high yielding cocksfoot suited to high rainfall environments. Providing high production levels in all seasons, it maintains summer quality and palatability due to its low aftermath heading and soft leaves.

Unlike many other cocksfoot varieties, Savvy has exceptional disease resistance and has been bred to tolerate hard grazing in cattle and sheep systems, ensuring excellent recovery and persistence in a range of conditions.

- High autumn and winter production
- High quality and very leafy with summer moisture
- Bred for soft fine leaves
- Disease tolerant with increased palatability
- Suited to well drained sandy loam soils
- Tolerates acidic soils where perennial ryegrass struggles to persist

Uplands
COCKSFOOT



Sowing rate	8-10kg/ha (sole) 4-6kg/ha (mixed)		
Pasture life (years)	5+	**Heading date**	Mid
Rainfall/Irrigation	Minimum 350mm p.a		
Used for			

Seed portfolio: DLF Seeds

Highly drought tolerant

Uplands is a Hispanica cocksfoot suited to rainfall of 350mm+. It is a compact densely tillered, fine leaved Hispanica cocksfoot, with a high level of drought tolerance. Semi dormant over summer to maximise persistence, Uplands is slow to establish, then provides a productive and persistent pasture with higher levels of animal acceptance over Porto.

- Semi dormant over summer with a level of drought tolerance
- Good persistence in drier areas
- Higher animal acceptance over Porto

DLF Seeds

ATOM



Atom

PRAIRIE GRASS



Sowing rate	30-50kg/ha (sole) 5-20kg/ha (mixed)
Pasture life (years)	5+
Rainfall/Irrigation	Minimum 650mm p.a
Used for	

Excellent quality and palatability

Suited to high annual rainfall areas, Atom prairie grass was bred for improved palatability, hard grazing and tiller density. Extremely productive throughout the year and highly productive in well drained soils. No known animal health issues and well suited to all stock classes.

- High quality, palatable feed
- High protein content
- Highly productive in well drained soils
- Grazing, hay and silage opportunities
- Tolerates hard grazing

"We run cattle on our breeding and fattening operation at Wallabadah, in Northern NSW. Atom Prairie Grass has multiple uses for us, extending the productive life of old lucerne stands for quality hay, adding first year bulk to our new sown cocksfoot and clover pastures and providing high quality feed long after oats have finished."

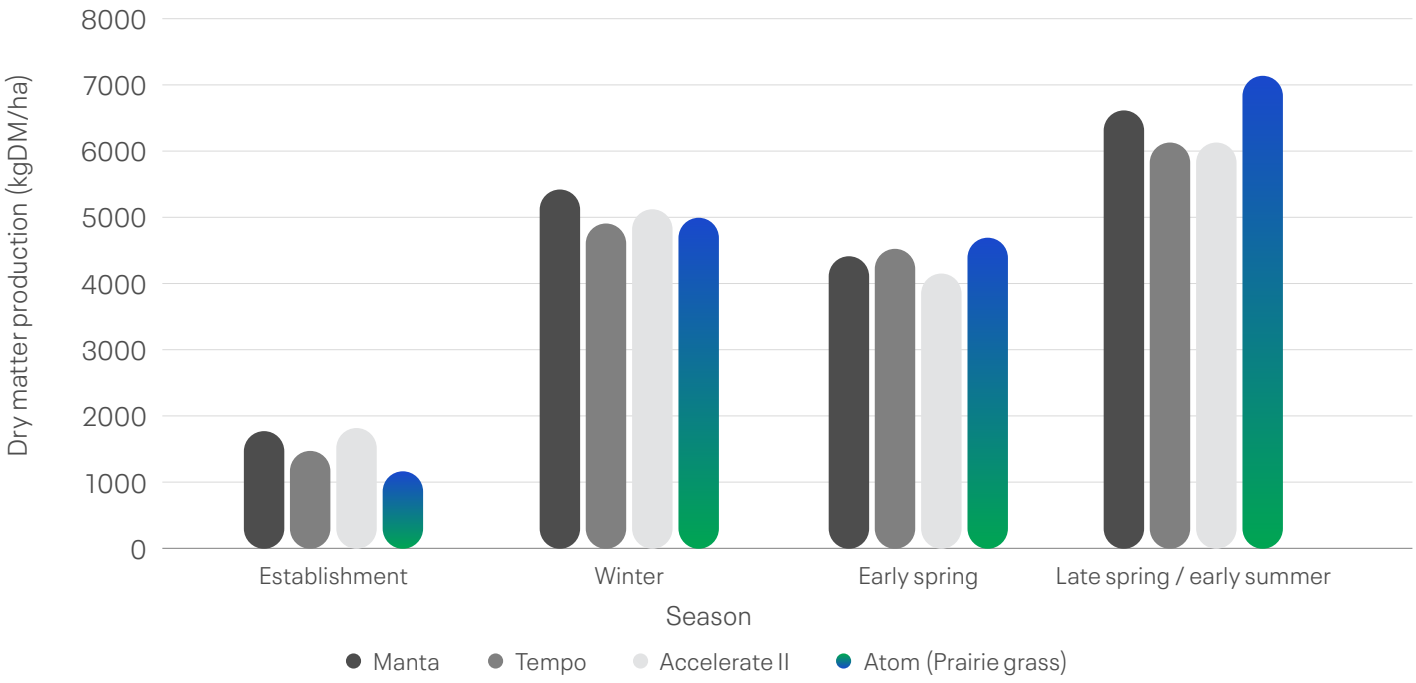
Emma and Doug Bradley
Wallabadah, Northern NSW 2025

Seed portfolio:
AGRICOM Pastures for Profit®

Atom Prairie grass seasonal dry matter trial analysis

FIGURE 17: Seasonal dry matter yields of Atom prairie grass vs leading Italian ryegrasses in Scone, NSW 2020.

Figure 17 shows the 2020 sown, 12 month **"Irrigated Italian ryegrass yield"** trial in Scone, NSW.
In which comparative dry matter data between Atom prarie grass and leading Italian ryegrasses was obtained.



	Establishment	Winter	Early spring	Late spring/Early summer
LSD5 %	201	274	284	405



Forage seed mix of Atom prairie grass, Aurus cocksfoot and Choice perennial chicory in northern NSW.

Key take aways

If heat tolerance is important on farm, prairie grass could be a more dependable choice than Italian ryegrass as it is more suitable for warmer climates and can tolerate higher temperatures. In such conditions, **Atom prairie grass is a prolific re-seeder that will provide more feed for longer as it better withstands warmer summer temperatures and has the potential to push into a second and third year** (compared to Italian ryegrass in similar conditions).

Italian ryegrass thrives in cool, moist climates but tends to become dormant or experience heat stress when temperatures exceed 30°C. Its productivity often decreases during the summer in regions with high temperatures, and it may require additional irrigation and shading to sustain growth in hotter conditions.

With adequate management, Atom prairie grass will suit operations looking for persistent feed that lasts for 1 to 3 years, in climates where Italian ryegrass struggles to persist into a second year due to hot summers.

Trial analysis:

- Winter and early spring yield differences across the Italian ryegrasses and prairie grass was not significant
- Compared to market leading Italian ryegrasses, Atom prairie grass demonstrates strong growth from early spring and through summer
- During the late spring/early summer cuts, Atom began to accelerate with a 7% higher yield than the highest yielding Italian ryegrass

Note: *Compared to Italian ryegrass, Prairie grass is typically slower to establish. This was evident in the first cut where Atoms' yield was 34% lower.*

Trial summary:

- Trial sown April 2, 2020 with Italian ryegrass management applied
- First cut was on May 28, 2020 and last cut was on December 28, 2020
- Cut and carried 9 times across 12 months
- Seasons have been defined as:
  - Establishment (May; 1x cut),
  - Winter (June, July and August; 3x cuts),
  - Early spring (September, October; 2x cuts),
  - Late spring/early summer (November/December; 3x cuts)



DLF Seeds

1800 619 910 | dlfseeds.com.au

CLOVERS

Available from your local rural retailer.

Subterranean clover: A prostrate annual legume suited to dryland environments and used in pasture mixes for grazing, hay and silage. May improve soil health and provides high quality feed where white clover struggles to persist.

White clover: A stoloniferous perennial legume offering high feed quality and year round production. Suited to diverse soils and climates, white clover may help to enhance animal performance and will fix Nitrogen into the soil.

Red clover: Red clover is deep rooted and delivers strong spring to autumn productivity. Ideal for grazing systems, silage, and boosting livestock performance in mixed or specialist pastures.

Balansa clover: A self regenerating annual clover with strong spring growth and waterlogging tolerance. Used in pasture mixes to improve feed quality, especially in low rainfall zones.

Profitable pasture mixes: For custom mix advice, reach out to your local rural retailer, your DLF Seeds Sales Agronomist OR, see our MAXImiser® mix range at the back of this guide.

Used for key



Beef | Dairy | Sheep | Hay | Silage

Refer to individual product pages for product specific "used for" key

DLF Seeds

ATTRIBUTE



Attribute

MEDIUM LARGE LEAF WHITE CLOVER

NEW



Sowing rate	3-5kg/ha (sole) 2-5kg/ha (mixed)
Rainfall/Irrigation	Minimum 700mm+ p.a
Used for	

New generation medium to large leaved white clover

Versatile and productive, Attribute is a new medium to large leaved white clover with new generation genetics. Selected from our extensive white clover breeding programme to replace it's predecessor Tribute, Attribute has shown high levels of performance in dryland sheep pastures under both set stocking and rotational grazing.

In addition, Attribute has demonstrated success in intensive grass growing areas.

- Very high total productivity
- Adaptable to a wide range of grazing management practices
- Suitable for sheep and beef pastures, dairy and silage production
- Suitable for stock finishing

Seed portfolio:

AGRICOM Pastures for Profit®

SCAN ME

Attribute seed dating with AI and Juddy

Advantages of sowing Attribute white clover

FIGURE 18: Dry matter production of Align AR37 with Attribute, Align AR37 with Haifa and Align AR37 without clover in the 2023 Terang, VIC Legume advantage trial.

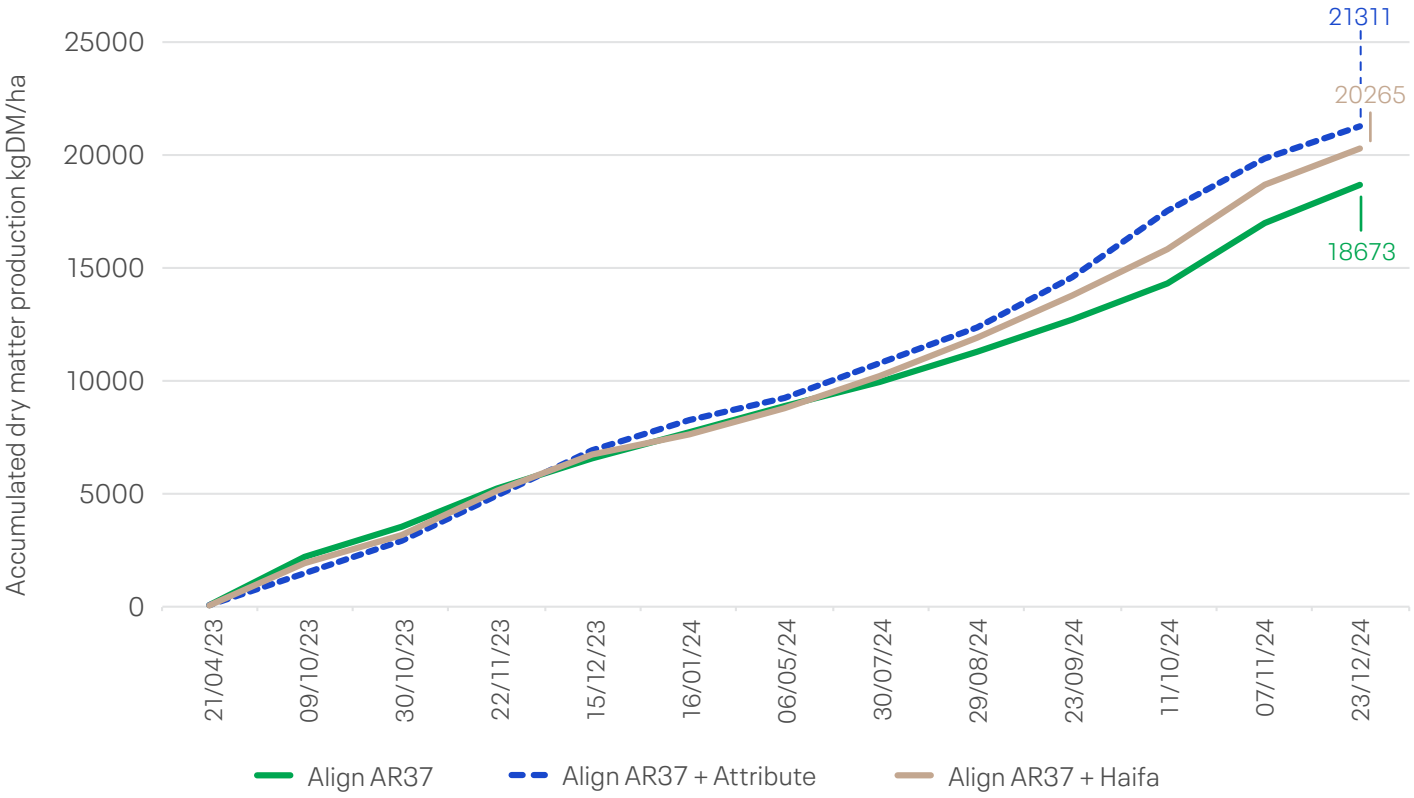
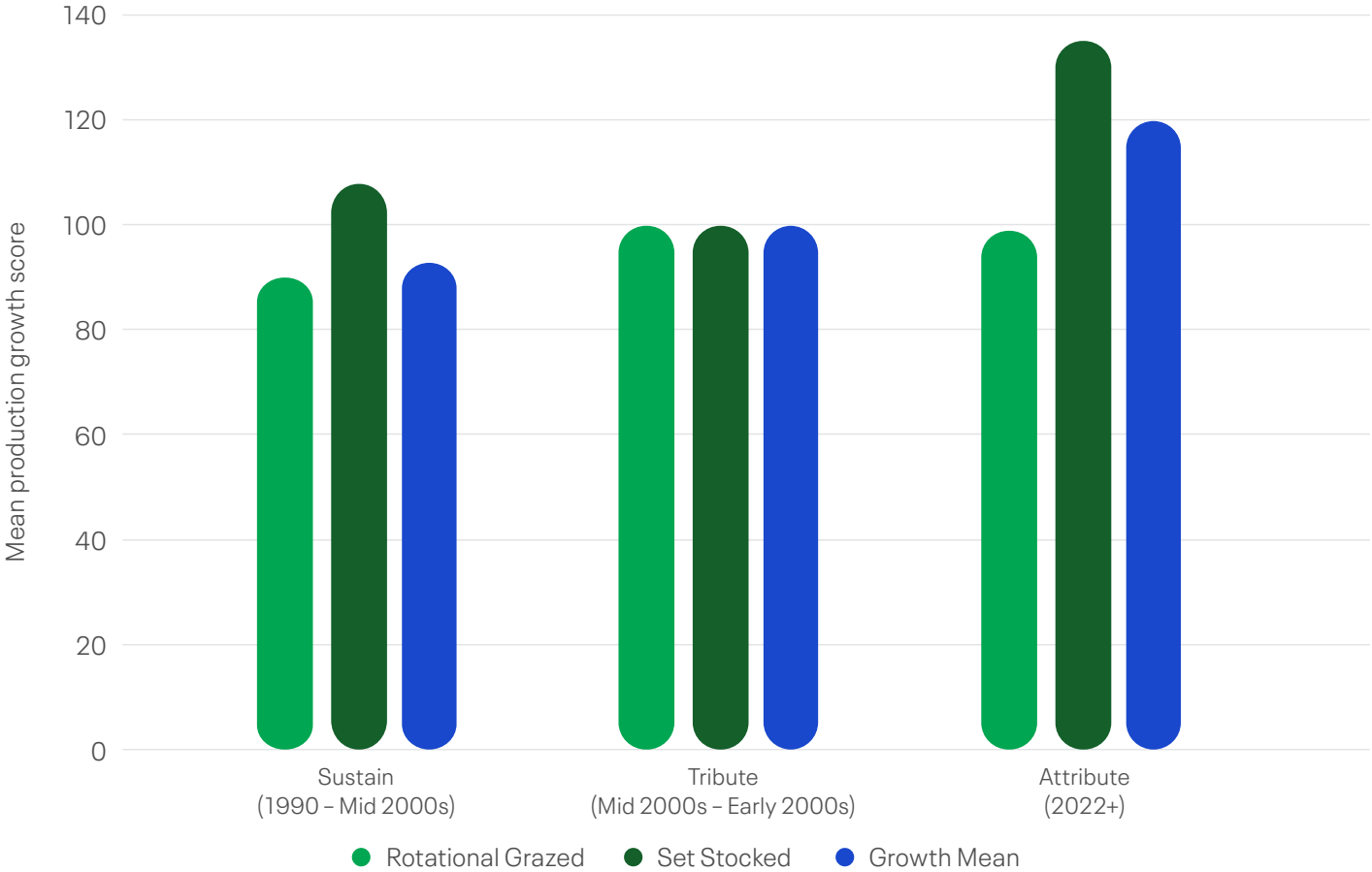


FIGURE 19: Generational improvement of medium – large leaved white clovers under different sheep grazing systems.



DLF Seeds

BRACE



Brace

LARGE LEAF WHITE CLOVER

NEW



Sowing rate	3-5kg/ha (sole) 2-5kg/ha (mixed)
Rainfall/Irrigation	Minimum 700mm p.a
Used for	

Proven persistence, high yields and environmental adaptability

Brace white clover is a large leaved, high production white clover that complements high yielding grass pastures due to its upright and vigorous growth habit.

Bred to produce within a competitive sward and under grazing pressure; Brace produces reliable, quality feed for beef sheep and dairy operations (including stock finishing). With new generation genetics, Brace is a high performance perennial legume that is adaptable to today's variable climate pressures.

Sow Brace in areas with high soil fertility for year round feed, quality grazing, hay and silage.

- New generation genetics
- Very high spring and summer production
- Improved autumn and winter activity
- Ideal for dairy and silage pastures
- Adaptive to current and changing environmental conditions
- Upright growth habit and high stolen density

Seed portfolio:

AGRICOM Pastures for Profit®

"Due to its strong selection background and proven performance within a ryegrass sward, I recommend mixing Brace with a high quality perennial ryegrass such as Base AR37 or Align AR37. Brace is an excellent companion due to its ability to compete and perform, fix valuable nitrogen and, lift overall pasture quality and productivity."

Isaac Berry
DLF Seeds Tech Services Manager

Hilltop

SMALL MEDIUM LEAF WHITE CLOVER



Sowing rate	3-5kg/ha (sole) 2-5kg/ha (mixed)
Rainfall/Irrigation	Minimum 650mm p.a
Used for	

Seed portfolio: PGG Wrightson Seeds

High stolon density for improved persistence

Hilltop small to medium leaf white clover was bred to cope with more challenging environments from variable fertility to variable moisture availability or combinations of the two. It has a higher stolon density than Tahora II resulting in improved persistence and making it the ideal addition to those pastures where a robust white clover is required.

- Persistence from very high stolon density
- Ideally suited to dryland sheep grazing systems
- Good option for dry conditions providing minimal annual rainfall achieved
- Performs in low fertility conditions

Nomad

SMALL LEAF WHITE CLOVER



Sowing rate	3-5kg/ha (sole) 2-5kg/ha (mixed)
Rainfall/Irrigation	Minimum 650mm p.a
Used for	

Seed portfolio: Agricom

Persistent and tolerant of drought

A small leaved white clover, Nomad was selected for increased persistence and drought tolerance and is especially suited to dry environments. It is an excellent performer under dryland sheep grazing and grows mostly in spring, summer and autumn. Nomad has high nutritive value and is relatively tolerant of acidic soils. Great stolon density allows Nomad to persist in areas prone to low summer soil moisture levels.

- Small leaved white clover
- Bred for increased stolon recovery after dry summers
- Persistent under hard grazing
- A recommended inclusion in all dryland mixes

Tribute

MEDIUM LARGE WHITE CLOVER



Sowing rate	3-5kg/ha (sole) 2-5kg/ha (mixed)
Rainfall/Irrigation	Minimum 700mm p.a
Used for	

Seed portfolio: Agricom

Productive year round performer

A medium to large leaved white clover bred for drought tolerance and winter activity, its performance against other medium to large leaved varieties in trials has been good. Tribute also has good stolon density aiding in persistence.

- High stolon density to leaf size ratio
- Good out of season production
- Suited to a wide range of farming systems
- Persistent within a mix
- Versatile and productive

Legacy

LARGE LEAF WHITE CLOVER



Sowing rate	3-5kg/ha (sole) 2-5kg/ha (mixed)
Rainfall/Irrigation	Minimum 700mm p.a
Used for	

High performance, improved production

Legacy offers improved clover production in your high performing perennial pasture system. It is a large leaf white clover that brings greater persistence and improved year round production. Greater productivity and persistence of clover results in more Nitrogen being fixed to drive pasture performance.

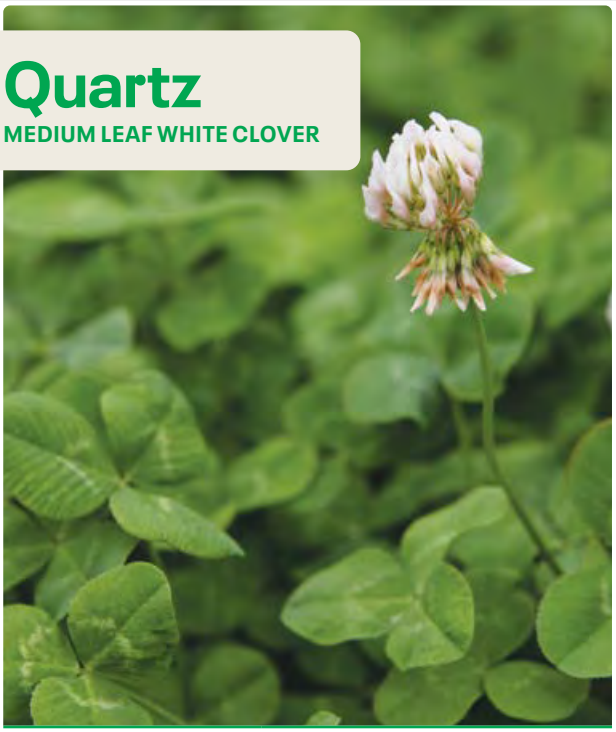
- Exceptionally high yielding
- Large leaf size
- Greater winter and autumn productivity

→ **Strong stolon activity for increased persistence**

Seed portfolio: PGG Wrightson Seeds

Quartz

MEDIUM LEAF WHITE CLOVER



Sowing rate	3-5kg/ha (sole) 2-5kg/ha (mixed)
Rainfall/Irrigation	Minimum 700mm p.a
Used for	

Productive year round performer

Quartz medium leaf white clover is an excellent yielding, persistent white clover that has broad adaptability across environments and farm systems. It performs well under sheep, beef and dairy grazing management. It has been bred for higher yield and increased stolon density resulting in greater persistence. Quartz had been bred from the same programme that produced high performing clovers including Legacy.

- Improved persistence due to high stolon density
- Excellent dry matter yields
- Suited to a wide range of farming systems
- Outstanding seasonal production

Seed portfolio: PGG Wrightson Seeds

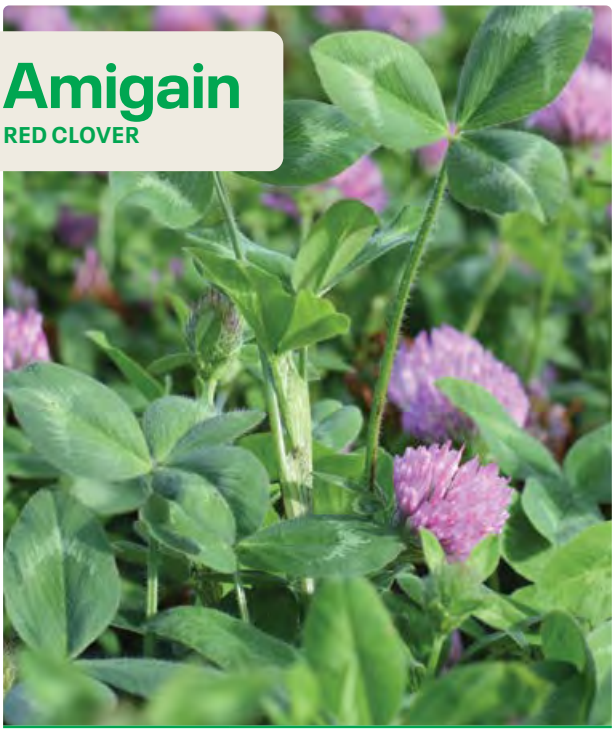
Legacy seed blend recommendation

Ask us about MAXImiser® Base AR37 Dairy mix.

Contains: Base AR37, Three60 perennial ryegrasses, Legacy & Tribute white clovers.

Amigain

RED CLOVER



Sowing rate	6-10kg/ha (sole) 4-6kg/ha (mixed)
Rainfall/Irrigation	Minimum 700mm p.a
Used for	

New generation red clover with increased persistence

Amigain is the latest generation red clover bred for increased persistence and growth in permanent or short term, high performance pastures. In a pasture mixture, Amigain provides spring, summer and autumn productivity ideal for increased animal performance, enhancing pasture management and fixing Nitrogen. As a specialist multi year crop, Amigain provides high quality feed ideal for liveweight gain and/or improved condition scores of priority stock classes in sheep and beef systems.

- Bred to persist and perform in both pasture mixes and pure swards
- Semi prostrate growth habit to enhance persistence
- Excellent quality aiding animal production
- Selected for a more fibrous root system
- Lower formononetin (oestrogen) levels than older varieties

Seed portfolio: PGG Wrightson Seeds

Relish

RED CLOVER



Sowing rate	6-10kg/ha (sole) 4-6kg/ha (mixed)
Rainfall/Irrigation	Minimum 700mm p.a
Used for	

Early spring production

Relish® perennial red clover offers strong persistence within grazing systems, high yields and a semi prostrate growth habit. Highly productive in early spring, Relish® contains low levels of formononetin (oestrogen), making it suitable as a lambing forage and provides farmers with high quality grazing, hay or silage.

- Highly persistent within grazing systems
- High yield potential over time
- Semi prostrate growth habit
- Low levels of formononetin (oestrogen)

Seed portfolio: AGRICOM Pastures for Profit®

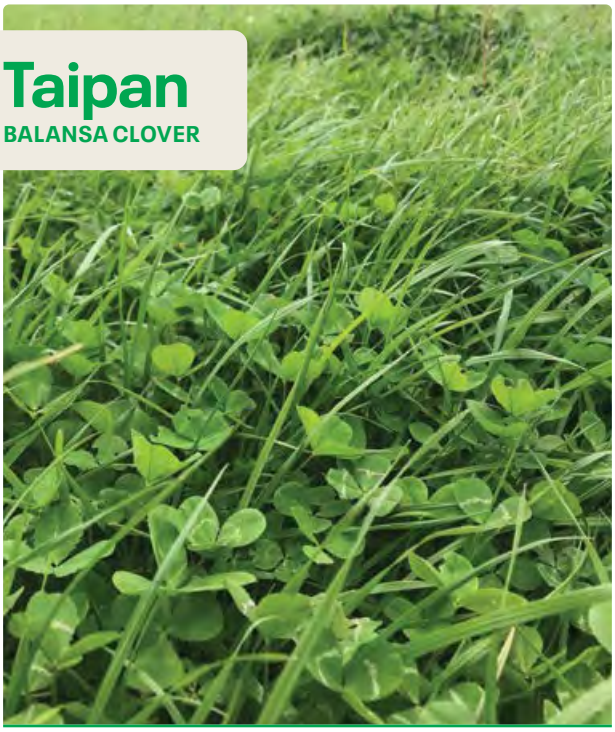
Relish blend recommendation

Ask us about MAXImiser® Mohaka hybrid plus AR37.

Contains: Mohaka hybrid ryegrass, Relish red clover and Brace white clover.

Taipan

BALANSA CLOVER



Sowing rate	5-8kg/ha (sole) 1-2kg/ha (mixed)
Flowering date	Mid
Rainfall/Irrigation	Minimum 450mm p.a
Used for	

Outstanding balansa for low rainfall zones

Taipan is a mid maturing balansa clover that provides early spring feed and has high levels of hard seed which allows for flexibility when seasons are dry. Taipan suits a wide range of soil types, is tolerant of moderate soil salinity, has excellent waterlogging tolerance and can grow in areas of medium rainfall. For high dry matter production, grow Taipan for quality hay or as part of a perennial pasture system.

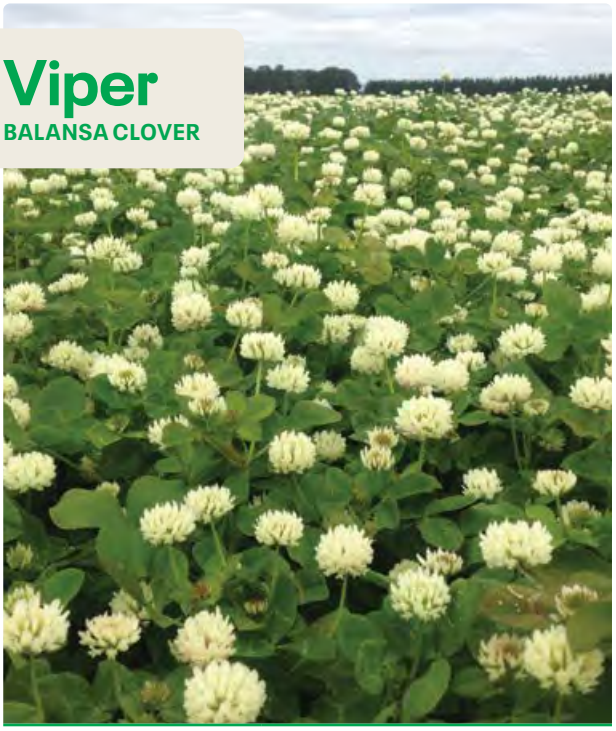
- High dry matter yields and excellent production
- Can withstand periods of waterlogging
- Increased winter/early spring production compared to subterranean clover
- Adapted to a wide range of soils and pH

→ **Ideally sown as part of a mix**

Seed portfolio: DLF Seeds

Viper

BALANSA CLOVER



Sowing rate	5-8kg/ha (sole) 1-2kg/ha (mixed)
Flowering date	Late
Rainfall/Irrigation	Minimum 450mm p.a
Used for	

Self regenerating, persistent clover

Viper is a late flowering long season balansa clover that is known as a self regenerating annual legume. It is a semi erect, hollow stemmed variety that can grow up to 1 metre in height and remains prostrate when grazed. Viper is very hard seeded and will often not start germinating substantially until two summers have passed.

Although predominantly autumn sown, Viper can be sown strategically through spring mixed with/sown with spring cereals, Italian ryegrass or brassica for a fast 3-4 month burst of legume growth.

- Highly persistent within grazing systems
- High yield potential over time
- Semi prostrate growth habit

Seed portfolio: DLF Seeds

DLF Seeds

EDISON



Edison

SUBTERRANEAN CLOVER

NEW



Sowing rate	15-20kg/ha (sole) 6-10kg/ha (mixed)		
Days to flower	150 days	**Soil fertility**	Med/High
Rainfall/Irrigation	Minimum 650mm p.a		
Used for			

*Edison has demonstrated similar "days to first flower" as Leura based on an early May sowing in Perth, Western Australia.

More feed from improved forage yields and strong disease package

Edison is an Australian bred, subterranean clover (*Trifolium subterraneum*), bred to be an improvement on the Leura, Denmark and Rosabrook. Edison's vigorous winter and early spring growth, makes it an ideal candidate for hay and silage production. And, with a leafy growth pattern and the ability to rapidly recover from grazing, Edison provides valuable feed for both sheep and cattle grazing systems.

As a fast establishing, high production clover, it effectively competes with other species within the pasture mix to produce valuable feed throughout winter and late spring (when other species may become dormant).

Edison thrives particularly well in the southern states of Australia where high winter/spring rainfall is followed by a dry summer. Well adapted to moderately acidic, well-drained soils, Edison can be sown into permanent or semi-permanent pastures for improved legume density and feed diversity.

- Exceptional winter and spring production
- High seedling regeneration
- Contains low formononetin levels
- Greater resistance than Leura to clover scorch and powdery mildew
- Fast establishment and increased cool season growth

Seed portfolio:

DLF Seeds

Joint venture: Edison was developed by the Annual Legume Breeding Australia (ALBA). This is a joint venture between The University of Western Australia and DLF Seeds with prior contributions of Primary Industries and Regional Development (Western Australia).

Field Performance

Edison has been extensively tested in Australia and across trials, it produced higher autumn/winter and winter/spring dry matter; particularly in the third year of regeneration. This is important for the longevity of the sub clover in pasture swards.

FIGURE 20: Average seasonal dry matter production over 3 years in Blayney, NSW.

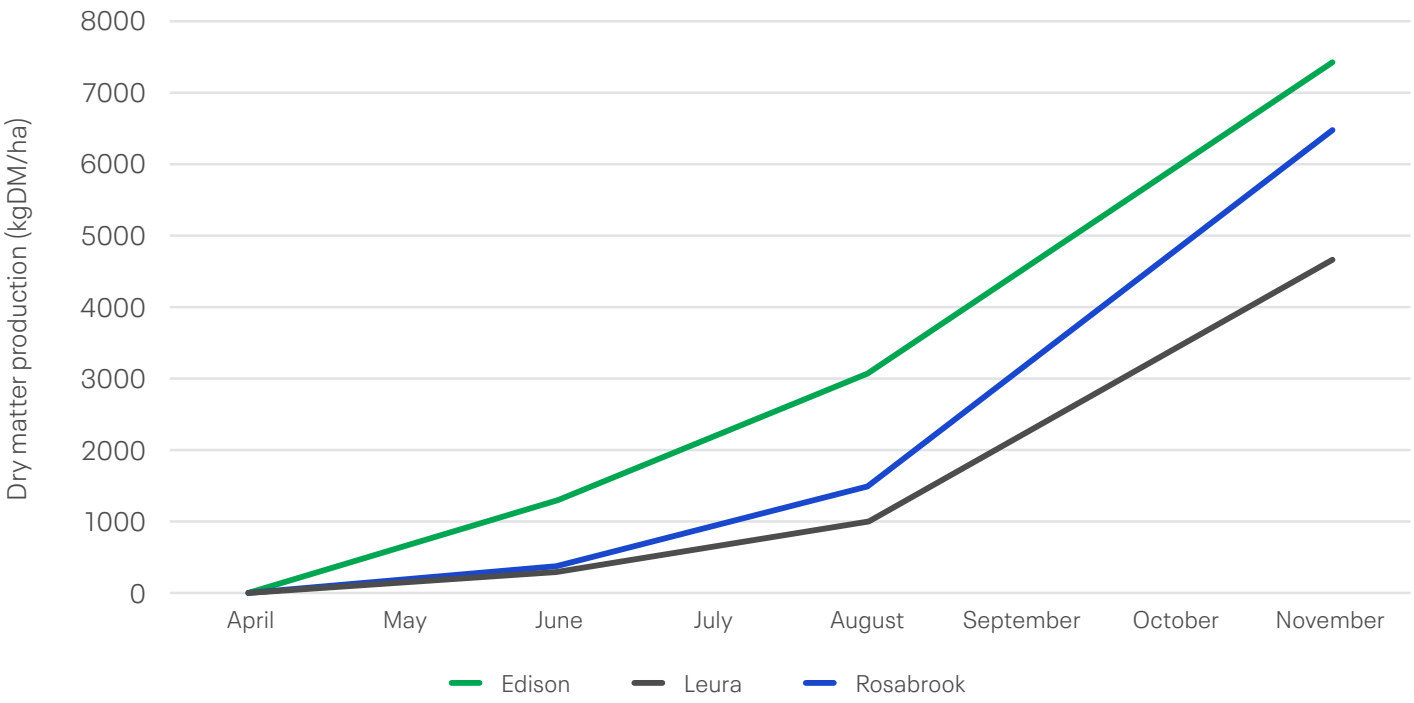
Cultivar	Winter	Spring	Late spring	Summer	Autumn
Edison	**1615**	**1895**	**1333**	**1280**	**829**
Goulburn	1515	1614	1181	962	606
Leura	1286	1425	1396	946	619
Coolamon	1426	1273	1155	911	582
Rosabrook	1030	1693	1262	791	524
Denmark	1112	1634	1276	743	473
	Winter	**Spring**	**Late spring**	**Summer**	**Autumn**
LSD5%	183	169	165	179	117

Across 3 years, Edison came in on top producing 6952 kgDM/ha/year

In Blayney, NSW (Figure 20), **Edison** consistently performed well across all seasons holding the highest average yield across four out of five seasons.

- **Edison** demonstrates that it excels in autumn, winter, and early spring.
- **Notably, its winter yield is 25% higher than that of Leura, which has the third highest average winter yield.**

FIGURE 21: 2021 Accumulated third year dry matter production of late subterranean clovers, Ballarat, VIC.



In Ballarat, Victoria (Figure 21), **Edison** recorded the highest accumulated dry matter over three cuts in the third year. It outperformed other late flowering subterranean clovers, which demonstrated its exceptional winter and early spring production.

Edison displayed a 39% increase in dry matter production over Leura (in the third year).



DLF Seeds

FRANKLIN

Franklin

SUBTERRANEAN CLOVER

NEW



Sowing rate	15-20kg/ha (sole) 6-10kg/ha (mixed)
Days to flower	122 days*
Soil fertility	Moderate to high
Rainfall/Irrigation	Minimum 450mm p.a
Used for	

*Franklin has demonstrated similar "days to first flower" as Riverina based on an early May sowing in Perth, Western Australia.

Superior field performance and productivity under extreme conditions

Bred in Australia to be an improvement on the common variety Riverina, Franklin has superior field performance and low formononetin levels, making it safe for grazing animals by reducing the risk of infertility problems. Due to its vigorous, upright growth habit and performance within a pasture sword, Franklin produces quality feed, hay, silage and grazing opportunities.

Franklin subterranean clover thrives as a permanent/semi-permanent pasture in drier summers where the growing season extends into November. Franklin can be sown into a wide range of soil types; it is well adapted to loamy/clay soils with good water retention, moderately acidic soils that are prone to waterlogging and, flood irrigation systems as a break crop option.

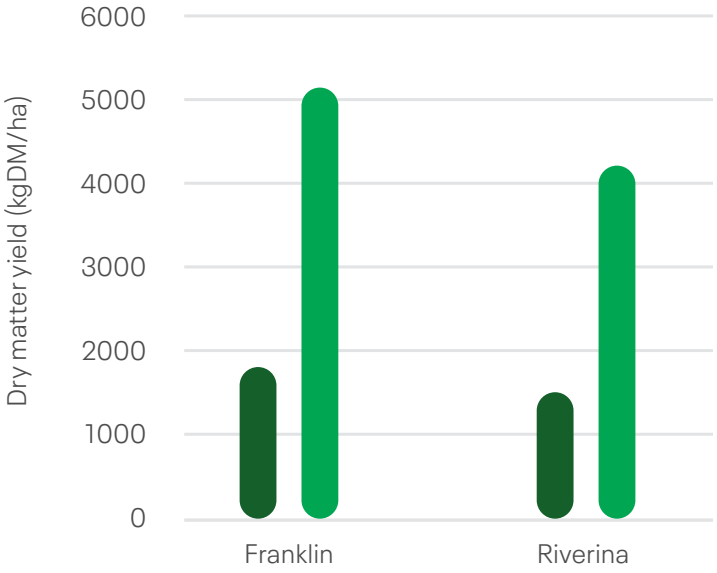
- Yanninicum subterranean clover with a *flowering date of 122 days to flower
- Productive in extreme weather conditions including waterlogged conditions and shortened growing windows
- Contains low levels of formononetin
- Increased resistance to Race 1 and 2 of clover scorch (*Kabatiella caulivora*)
- Suitable as a break crop in flood irrigation zones
- Upright, vigorous growth habit
- Greater persistence from high seed yields and increased hard seed content

Seed portfolio:

DLF Seeds

Joint venture: Franklin was developed by the Annual Legume Breeding Australia (ALBA). This is a joint venture between The University of Western Australia and DLF Seeds with prior contributions of Primary Industries and Regional Development (Western Australia).

FIGURE 22: Franklin demonstrates exceptional growth and a 21% increase in dry matter production under extended waterlogging conditions.



Cutting dates	9/09/2021	29/10/2021
CV %	15.20	12.60

Field Performance

In Busselton, WA, a third year trial highlighted Franklin's exceptional growth under extended waterlogging conditions, **showing a 21% increase in dry matter production** over two cuts compared to Riverina (Figure 22).

NOTE: Clover scorch (*Kabatiella caulivora*) can be very damaging to subterranean clover stands, particularly in waterlogged areas.

THIRD YEAR FRANKLIN PLOT UNDER EXTENDED WATERLOGGING IN BUSSELTON, WA 2021

14 JULY



9 SEPTEMBER



29 OCTOBER



Trial Summary

Across all trials, Franklin produced higher autumn/winter and winter/spring total dry matter than Riverina.

- Franklin showed higher waterlogging tolerance than Riverina, particularly after extended periods of wet conditions.
- Franklin suffered markedly less damage than Riverina.



Bindoon

SUBTERRANEAN CLOVER



Sowing rate*	10-20kg/ha (sole) 6-10kg/ha (mixed)
Days to flower	112 days
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

Seed portfolio: DLF Seeds

Highly persistent with Red Legged Earth Mite resistance

Bindoon offers the benefits of Red Legged Earth Mite resistance combined with highly productive mid season growth. Bindoon is suited to a wide range of environments where sub clover is the base of a perennial pasture system. Red Legged Earth Mite resistance significantly increases the autumn and winter production as well as increases seed set which greatly enhances long term persistence.

- High dry matter production during autumn and winter
- Excellent seed set for increased persistence
- Significantly higher winter production than Seaton Park
- Ideally sown as part of a perennial pasture mix with grasses

→ **Although Bindoon has Red Legged Earth Mite resistance, it is important to monitor the pasture for pest pressure to maximise establishment**

Coolamon

SUBTERRANEAN CLOVER



Sowing rate*	10-20kg/ha (sole) 6-10kg/ha (mixed)
Days to flower	136# days
Rainfall/Irrigation	Minimum 600mm+ p.a
Used for	

Seed portfolio: DLF Seeds

High yields and dense swards

Offering improved seedling regeneration and improved winter and spring production, Coolamon is suited to a wide range of soil types and climatic regions. Displaying resistance to Red Legged Earth Mite and clover scorch, Coolamon provides farmers with high yields and dense swards.

Coolamon is a mid to late maturing variety which can take advantage of extended seasonal conditions, giving longer growing seasons before setting large amounts of seed for the following seasons.

- High yields and dense swards
- Improved winter and spring production
- Long growing season

Izmir

SUBTERRANEAN CLOVER



Sowing rate*	10-20kg/ha (sole) 6-10kg/ha (mixed)
Days to flower	85# days
Rainfall/Irrigation	Minimum 375mm p.a
Used for	

Seed portfolio: DLF Seeds

Early maturing persistence

Suited to a wide range of soil types and climatic regions including low rainfall areas, an early maturing variety like Izmir ensures persistence as it grows in the short season, flowers, and then sets seed early.

Very early to flower, Izmir will provide farmers with high winter production and extra herbage when it is needed most and fix free atmospheric Nitrogen. Izmir has very high hard seed levels, late seed softening and improved seed production.

- Low oestrogen levels
- High winter production
- Superior dry matter production and seedling regeneration compared to Nungarin

*If including more than one cultivar of sub clover, it is recommended that you have a total minimum of 6kg/ha.
#Days to first flower is from an early May sowing in Wagga Wagga NSW, days to flower dependent on sowing time and climatic conditions.

Goulburn

SUBTERRANEAN CLOVER

***Sowing rate**	10-20kg/ha (sole) 6-10kg/ha (mixed)
Days to flower	145#
Rainfall/Irrigation	Minimum 650mm p.a
Used for	

A mid-late season variety resistant to clover scorch and partially resistant to root rot. 25-35% hard seed. Approximately 145 days to flower.

Leura

SUBTERRANEAN CLOVER

***Sowing rate**	10-20kg/ha (sole) 6-10kg/ha (mixed)
Days to flower	151#
Rainfall/Irrigation	Minimum 750mm p.a
Used for	

A late season variety with outstanding dry matter production in high rainfall areas. Able to remain green after main flowering period. 5-15% hard seed. Approximately 151 days to flower.

Riverina

SUBTERRANEAN CLOVER

***Sowing rate**	10-20kg/ha (sole) 6-10kg/ha (mixed)
Days to flower	120#
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

A mid season *yanninicum* variety which has strong clover scorch resistance, good root rot resistance and superior dry matter production to Trikkala. 15-25% hard seed. Approximately 120 days to flower.

Urana

SUBTERRANEAN CLOVER

***Sowing rate**	10-20kg/ha (sole) 6-10kg/ha (mixed)
Days to flower	110#
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

An early season replacement for Dalkeith with increased dry matter production, higher hard seed levels (55-65%) and better resistance to RLEM. Approximately 110 days to flower.



*If including more than one cultivar of sub clover, it is recommended that you have a total minimum of 6kg/ha.

#Days to first flower is from an early May sowing in Wagga Wagga NSW, days to flower dependent on sowing time and climatic conditions.

DLF Seeds

1800 619 910 | dlfseeds.com.au

LUCERNE

Available from your local rural retailer.

Semi winter dormant

Stamina® GT5: A true grazing tolerant lucerne with dense, semi prostrate habit. Ideal for prolonged set-stocking and premium hay production in dryland systems.

Winter active

Warrego GT6: Next gen grazing tolerant lucerne with improved persistence and leaf retention. Suited to hay and grazing, offering flexibility and resilience under set-stocking.

Titan 7: Multi purpose lucerne for dryland and irrigation, combining yield, quality hay, and superior insect and disease resistance.

Highly winter active

Torrens GT8: The first grazing tolerant lucerne in this category, combining strong winter growth, persistence, and premium hay quality.

Titan 9: Fast regrowth and high dry matter production for grazing and hay. Features strong pest and disease resistance and is best suited to irrigated systems.

Used for key



DLF Seeds

WARREGO GT6



Warrego GT6

GRAZING TOLERANT LUCERNE



Sowing rate	5-25kg/ha (sole) 2-8kg/ha (mixed)
Rainfall/Irrigation	Minimum 350mm p.a
Used for	

Australian bred, improved persistence with Warrego GT6, the upgraded replacement to Stamina® GT6

Trialled and tested in multiple environments and conditions, Warrego GT6 is a significant step up in grazing tolerance and persistence compared to older dormancy 6 varieties. Bred to persist for prolonged periods of set stocking, Warrego GT6 provides growers with grazing flexibility, high quality hay, persistence similar to a dormancy 5 and winter activity of a 6. Warrego GT6 is a new generation, highly persistent, true grazing tolerant lucerne. Warrego GT6 was selected and bred from grazing tolerance trials in Leigh Creek (VIC) and Gundagai (NSW) and trialled under the internationally recognised Standard Test Protocol for grazing tolerant lucernes.

- Next generation dormancy 6 with TRUE grazing tolerance
- Ultra persistent under grazing with improved persistence over Stamina® GT6
- Low crown height offering protection from periods of set stocking and traffic tolerance
- Good disease resistance package
- High quality hay and grazing opportunities
- Strong return on investment over the extended grazing lifespan

Seed portfolio:

PGG Wrightson Seeds

Lucerne trial analysis (Stamina® range)

Stamina® GT5

GRAZING TOLERANT LUCERNE



Sowing rate	5-25kg/ha (sole) 2-8kg/ha (mixed)
Rainfall/Irrigation	Minimum 350mm p.a
Used for	

Seed portfolio: PGG Wrightson Seeds

The ultimate choice for grazing tolerant lucerne or hay production

Stamina® GT5 is a high performing lucerne variety that will produce quality hay and grazing opportunities for seven to ten years. It is a true grazing tolerant lucerne that has been trialled over many years under the internationally recognised Standard Test Protocol for grazing tolerant lucernes. It has low, broad crowns and is naturally of high forage quality with fine stems and high leaf to stem ratio. Stamina® GT5 lucerne is the ultimate choice where a stand is required for prolonged periods of set-stocking.

- Ultra persistent under grazing
- A semi-dormant grazing tolerant lucerne
- Tolerates prolonged periods of set-stocking
- Produces excellent quality hay
- Has good overall resistance to most lucerne diseases

Torrens GT8

GRAZING TOLERANT LUCERNE



Sowing rate	5-25kg/ha (sole) 2-8kg/ha (mixed)
Rainfall/Irrigation	Minimum 350mm p.a
Used for	

Seed portfolio: PGG Wrightson Seeds

Grazing tolerance and winter activity, the ultimate combination for grazing or hay production

Torrens GT8 (of the Stamina® range) is the first grazing tolerant, highly winter active lucerne to be released to the Australian market*. This product was selected from highly winter active survivors in grazing tolerance trials at Leigh Creek (VIC) and Gundagai (NSW). With a high leaf to stem ratio and fine stems, it produces high quality forage for premium hay production or grazing.

- The FIRST highly winter active grazing tolerant lucerne*
- A true dual purpose lucerne
- Strong resistance to most lucerne pests and diseases
- Premium quality hay (high leaf to stem ratio)
- Suitable for a wide range of farming systems
- Ultra persistent under grazing with improved traffic tolerance for hay or silage production
- Suited to dryland and irrigated systems

Titan 7

LUCERNE



Sowing rate	5-25kg/ha (sole) 2-8kg/ha (mixed)
Rainfall/Irrigation	Minimum 350mm p.a
Used for	

Seed portfolio: DLF Seeds

Superior insect and disease package

Australian bred Titan 7 is a winter active lucerne variety best recommended for irrigation and dryland conditions. It is a multi purpose variety for grazing and hay production and provides a high quality yield when sown in autumn, early winter or early spring, with best results achieved when sown into a moist, firm seedbed. It offers superior insect and disease resistance, withstanding *Phytophthora* Root Rot and all three strains of *Colletotrichum* Crown Rot.

- Winter active (dormancy 7)
- Suited to dryland and irrigation
- Multi purpose variety for grazing and hay production

→ **Australian bred**

*Torrens GT8 is the first highly winter active, grazing tolerant lucerne to be released to the Australian market that has been tested under the internationally recognised Standard Test Protocol for grazing tolerant lucerne.

Titan 9
LUCERNE



Sowing rate	5-25kg/ha (sole) 2-8kg/ha (mixed)
Rainfall/Irrigation	Minimum 350mm p.a
Used for	

Seed portfolio: DLF Seeds

High production under irrigation and strong persistence

Titan 9 lucerne is highly recommended for growers seeking high production under irrigation and superior persistence compared to other highly winter active varieties. Titan 9 produces soft leafy hay and is quick to regrow after cutting. Titan 9 is highly resistant to *Colletotrichum* Crown Rot Race 4 and highly resistant to *Phytophthora* Root Rot, resistant to *Colletotrichum* Crown Rot Race 1, Blue-Green Aphid and Spotted Alfalfa Aphid.

- Highly winter active (dormancy 9)
- High dry matter production for grazing, silage and hay
- Strong recovery from cutting or grazing

→ **Australian bred**

STAMINA® GT & TITAN LUCERNE RANGE

FIGURE 23: Demonstrates the insect and disease resistance of Stamina® and Titan forage seed.

	Stamina® GT5	Warrego GT6	Titan 7	Torrens GT8	Titan 9
Spotted Alfalfa Aphid	HR	R	HR	R	R
Blue-Green Aphid	R	R	R	R	R
Anthracnose *(Colletotrichum trifolii)*					
Race 1	R	R	HR	R	R
Race 2	HR	MR	HR	MR	MR
Race 3	HR	HR	HR	HR	HR
Phytophthora Root Rot	R	HR	R	HR	HR
Stem Nematode	HR	NT	NT	NT	NT
Bacterial Wilt	HR	MR	NT	R	NT
Fusarium Wilt	NT	HR	NT	HR	NT
Verticillium Wilt	NT	LR	NT	MR	NT

Scale:
S < 6 = Susceptible
LR 6-14 = Low Resistance
MR 15-30 = Moderate Resistance
R 31-50 = Resistant
HR > 51 = Highly Resistant
NT = Not Tested

DLF Seeds lucerne: Delivering versatility & quality hay

Stamina GT5, Warrego GT6 and Torrens GT8 lucerne

For hay producers, the difference between a good cut and a premium bale often comes down to one thing: the right lucerne variety.

Kim Sizer, a hay grower based in Tamworth, struggled to find a balance in lucerne variety to support her hay-focused operation. Kim supplies both horse and cattle markets, which have significantly different demands in the type of hay required.

"I've tried everything from very summer-active to highly winter-active varieties," Kim says.

"The winter-actives grew quickly and gave yield, but the quality wasn't there for the horse market. The summer-actives had excellent quality but didn't give the consistency I needed."



Searching for the ideal variety to service all her customers, Kim finally came across DLF Seeds' Stamina® GT5.

"It hit the sweet spot," she exclaimed.

"Stamina® GT5 is the compromise between quality and yield. We still get winter growth while keeping the prime quality horse buyers expect."

Paul Sippel, Sales Agronomist with DLF Seeds, covers north-west New South Wales and the Hunter Valley. He spends much of his time working with hay producers from irrigated flats to broadacre country, helping them get the most out of their lucerne.

"GT5 was bred to give growers that balance between yield and quality," Paul explains. "It produces consistent cuts without sacrificing the leaf retention and colour that hay buyers demand. That's why it works so well for hay-focused operations like Kim's."

"Kim produces small squares, round bales and silage alongside wheaten hay, teff grass, sorghum and millet. Her GT5 paddocks have delivered up to 22 tonnes of dry matter per hectare, a result that convinced her to replant the same variety," Paul says about Kim's operation.

"I'm ruthless with lucerne stands," Kim says. *"We rotate every three years as the cost of replanting is minimal compared to the return from a productive stand. GT5 regrows quickly, holds quality and has strong disease tolerance, even in challenging conditions."*

Quality is key for Kim's customers. *"Horse buyers demand colour, leaf and consistency. GT5 delivers on all three. It doesn't bolt straight to flower after rain or stress, and it continues producing through the season. It's perfectly suited to this region,"* she says.

Alongside the GT5, Kim could consider the *"Warrego GT6 and Torrens GT8, which offer an exceptional opportunity for hay production,"* Paul explains.





"Many growers don't realise it, but these varieties deliver outstanding performance and quality for hay growers, not just grazing."

Warrego GT6 stands out for its winter dormancy and exceptional leaf-holding capacity.

"When you're cutting for hay, leaf retention is everything," Paul says. *"Warrego keeps its leaf even if cutting times are extended. It handles raking and baling without losing quality and resists bleaching in the windrow. That means bales with the vibrant green colour that horse and cattle buyers want."*

Torrens GT8 offers seasonal flexibility. *"It wakes up earlier in spring and stays active later into autumn, providing an extra cut at either end of the season. That could be an early silage cut or a final hay cut before winter, giving producers options and keeping quality consistent."*

Paul's advice for growers is simple: align cutting cycles with the variety's dormancy.

"Winter-active types can be cut more frequently, sometimes every 24 days in summer, while winter-dormant types need longer intervals - around 30 to 34 days - but they make up for it with bulk and quality," he says.

Both Paul and Kim agree that leaf retention is the central ingredient that makes lucerne in hay so valuable.

Whether it's Warrego GT6's winter dormancy, Torrens GT8's seasonal flexibility or Stamina® GT5's balanced performance, DLF Seeds' lucerne portfolio proves its strength beyond grazing.

"Lucerne is incredibly resilient, shown by DLF Seeds varieties," Kim says. *"It can be pushed or exposed to disease and it still comes back. Matching the right variety to your system is what unlocks real quality."*

DLF Seeds, forage lucerne seed is available from your local rural retailer. For your nearest stockist or to find out more, contact your local DLF Seeds Sales Agronomist here.



DLF Seeds

1800 619 910 | dlfseeds.com.au

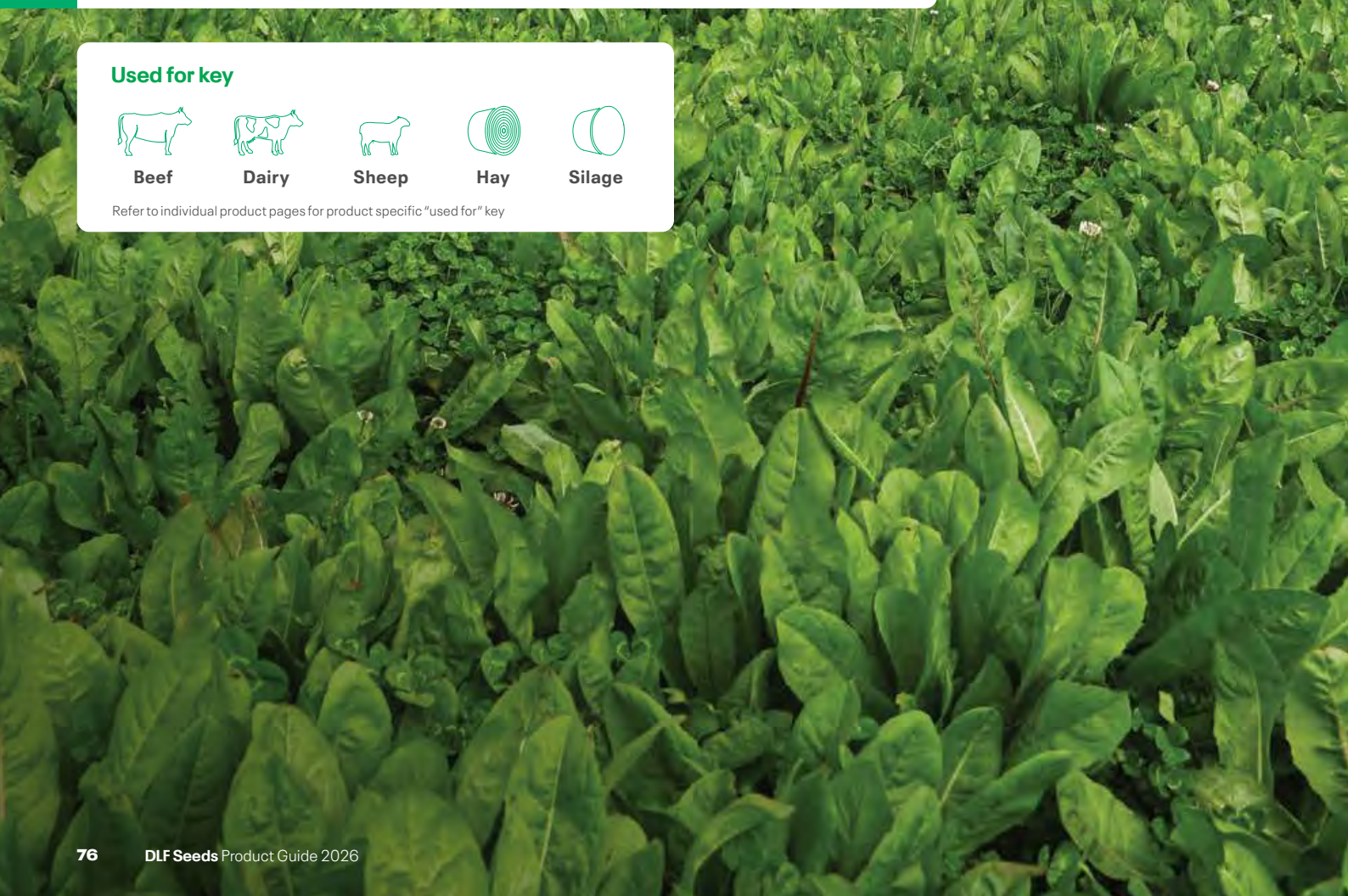
HERBS

Available from your local rural retailer.

Ecotain® environmental plantain: A mineral rich perennial herb supporting lamb, beef and dairy performance while reducing Nitrogen leaching. Offers strong cool season growth, drought tolerance, and adaptability across diverse soil types.

Perennial chicory: A deep rooted, drought tolerant herb delivering high quality feed from spring to autumn. Ideal for dairy and finishing systems, with fast regrowth and strong persistence under rotational grazing.

Chicory clover mix (Rocket Fuel™): A proprietary blend of chicory, red and white clover that produces leafy, high protein feed through spring, summer and autumn. Suited for lamb and cattle finishing or high performance dairy systems.



Used for key

Beef | Dairy | Sheep | Hay | Silage

Refer to individual product pages for product specific "used for" key



DLF Seeds

ECOTAIN®

Ecotain®

ENVIRONMENTAL PLANTAIN



Sowing rate	10-14kg/ha (sole) 2-8kg/ha (mixed)
Ready to graze (weeks)	8-10
Rainfall/Irrigation	Minimum 600mm p.a
Used for	

Take your livestock to new heights with Ecotain®

Ecotain® environmental plantain is a mineral-rich perennial grazing herb. Ecotain® is fast establishing and tolerant to a wide range of soils, including less fertile soils and dryland regions with 600mm+ annual rainfall/irrigation. Ecotain® has a deep coarse root system, which gives it a degree of drought tolerance and the ability to respond quickly after summer dry conditions.

Ecotain® pastures offer strong animal performance to sheep, beef and dairy farmers, particularly in winter and spring, as well as supporting a high level of animal health, reduced incidence of dags in sheep and good micronutrient supply (Zn, Cu, Se, ßMg, Ca, K). Pure stands of Ecotain® can be used during lambing to increase lamb and ewe weights at weaning.

- Suitable for lamb and beef finishing
- An ideal source of minerals important for good animal health and performance
- Strong cool season growth
- Valuable year-round production
- Reduced N losses from farm systems, through N leaching reduction from the urine patch

→ **Sow Ecotain® in a mixed pasture sward for quality hay (Ecotain® is not suitable for hay if sown as a sole pasture)**

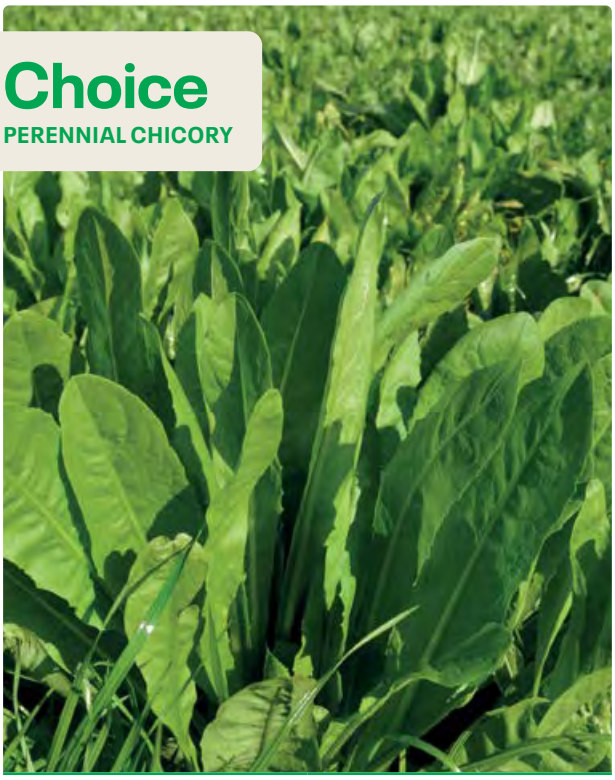
"We planted Ecotain in April 2023 into our dryland paddocks after a successful introduction into our irrigation paddocks in October 2022. We use Ecotain as part of our multispecies mix to help improve our soil plus provide a diverse pasture for our sheep to eat. We observed that Ecotain continued to regrow after multiple grazings through the last 12 months and continues to persist during hot, dry summers. It now forms one of our key species to include in our annual seeding programme."

Brett Hazelden,
River Farm, WA 2023

Seed portfolio:
AGRICOM Pastures for Profit®

Choice

PERENNIAL CHICORY



Sowing rate	6-10kg/ha (sole) 2-8kg/ha (mixed)
Ready to graze (weeks)	8-10
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

Deep taproot with high summer dry matter production

Choice has an upright growth habit with a large, uniform leaf for good utilisation, improved winter activity and persistence. This also improves the establishment of other species in a mix such as clovers and brassicas. Due to its improved winter growth, Choice exhibits quick establishment in the autumn and provides early grazing in the spring and later grazing into the winter.

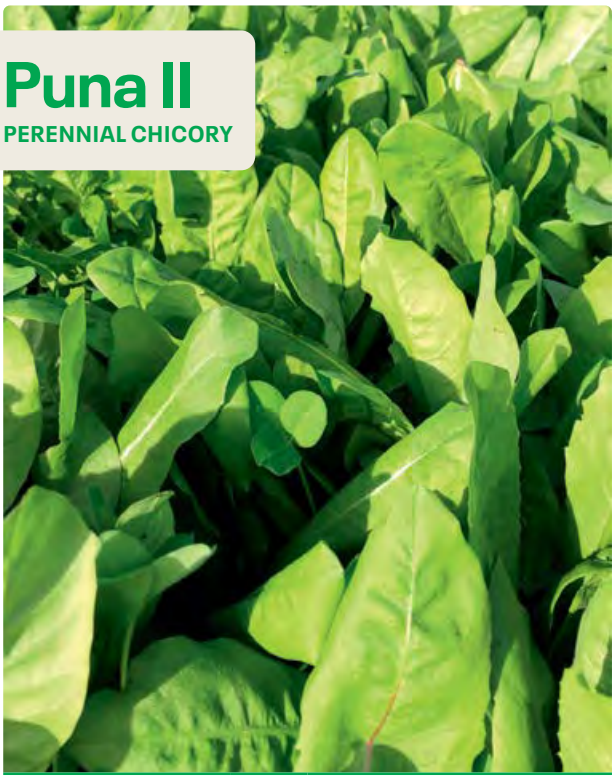
- High ME (+12ME/kgDM)
- High summer dry matter production given adequate moisture
- Selected for lower lactucin levels

→ **Sow chicory as a sole pasture or mixed pasture sward for quality silage (chicory is not suitable for hay if sown as a sole pasture)**

Seed portfolio: AGRICOM Pastures for Profit®

Puna II

PERENNIAL CHICORY



Sowing rate	6-10kg/ha (sole) 2-8kg/ha (mixed)
Ready to graze (weeks)	8-10
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

Produces highly nutritious feed in all seasons

Puna II is a true perennial chicory bred for improved animal performance. It delivers premium quality feed and a high dry matter yield. Puna II is ideally suited to dairy pastures and finishing systems due to its semi-erect growth habit. It has a fast regrowth after grazing, especially if rotationally grazed and establishes well in pasture swards.

- Excellent drought tolerance
- Highly palatable
- Good disease resistance and insect tolerance
- High yielding
- Long season growth

→ **Sow chicory as a sole pasture or mixed pasture sward for quality silage (chicory is not suitable for hay if sown as a sole pasture)**

Seed portfolio: PGG Wrightson Seeds

Choice perennial chicory mix recommendation

Ask us about MAXImiser® Hunter & Herbs mix.

Contains: Hunter forage brassica, Ecotain® plantain, Choice chicory, Hilltop and Tribute white clovers.

DLF Seeds

ROCKET FUEL™



Rocket Fuel™

CHICORY AND CLOVER BLEND



Sowing rate	12.5kg/ha (mixed)
Ready to graze (weeks)	8-10
Rainfall/Irrigation	Minimum 600mm p.a
Used for	

Specialist finishing crop with excellent animal performance

Rocket Fuel™ is a proprietary seed blend consisting of chicory, red and white clover. It produces a leafy, high quality feed over spring, summer and autumn when traditional pastures can decrease in quality. This versatile blend can be sown as a specialist finishing crop or a high protein milking option. Use as a 6 month or 2 year crop depending on farm system and grazing management. Suitable for a wide range of environments, Rocket Fuel™ offers an excellent animal performance package. White and red clover will provide Nitrogen to the chicory over time and are both an ideal companion species for leafy upright herbs, filling gaps and shading out weeds.

- Excellent feed for high liveweight gains in lambs and cattle
- Highly palatable and high quality feed through spring/summer/autumn
- High protein option for dairy farmers
- Grass can be sown into an established Rocket Fuel™ paddock

→ **Ask us about Rocket Fuel™ Elite. Its Rocket Fuel™, plus lucerne!**

Seed portfolio:

PGG Wrightson Seeds

SCAN ME

Perennial chicory video

DLF Seeds

1800 619 910 | dlfseeds.com.au

BRASSICA

Available from your local rural retailer.

***Raphanobrassica* (Pallaton Raphno®):** Chosen for its water use efficiency, aphid resistance and flexibility, Pallaton offers up to 5+ grazings and suits experienced growers aiming for high liveweight gains and greater stocking rate potential.

Forage rape: Ideal for summer to winter feed with 1–3 grazings, forage rape is selected for its regrowth potential and suitability across sheep, beef and dairy systems.

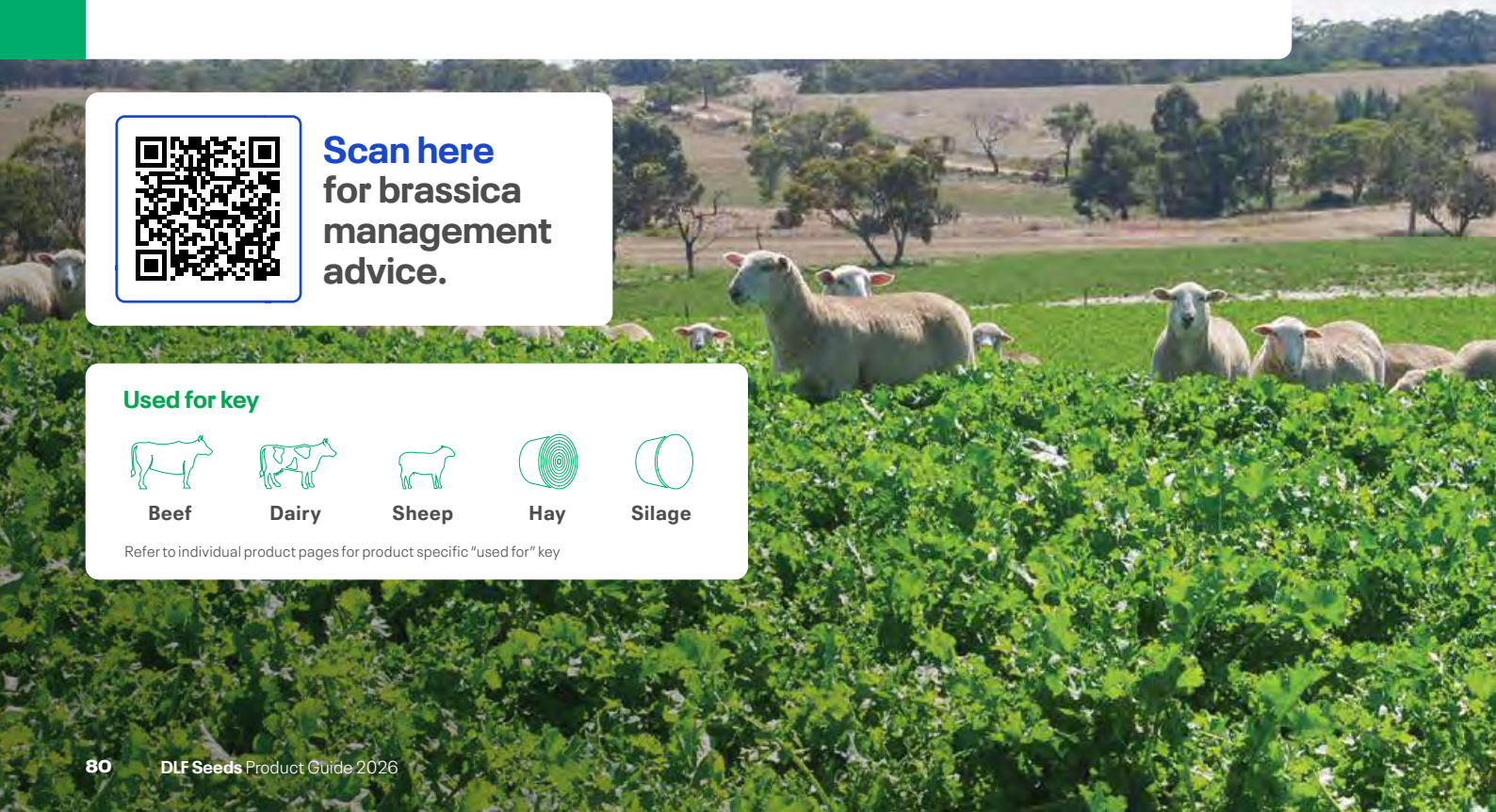
Leafy turnip: Fast maturing and highly palatable, leafy turnips like Hunter and Pasja II provide up to 4 grazings, making them perfect for quick, high quality summer feed.

Turnip: Used for flexible summer and autumn feed, turnips like Barkant and Rival offer 1 grazing and are valued for their high energy content.

Bulb turnip: Bulb turnips are ideal for dairy, beef, and sheep systems as a single graze crop. They are traditionally later maturing, offering an extended feed window and excellent keepability.

Swede: A single graze, winter feed option for cooler, moist environments, swedes like Domain are chosen for their high yield and palatability, especially for younger stock.

Kale: A very high yielding, long maturing, single graze option for dairy, beef, and sheep systems, delivering a bulk supply of high quality feed through autumn and winter.



Scan here for brassica management advice.

Used for key

Beef | Dairy | Sheep | Hay | Silage

Refer to individual product pages for product specific "used for" key

CONTROL WEEDS INCREASE YIELD

cleancrop® Brassica System

SCAN ME

Cleancrop™ Brassica Management System video

Controls 48 problem weeds: The **Cleancrop™ Brassica System** is a **CROP AND WEED MANAGEMENT SOLUTION** all in one.

Available under agency agreement, this simple system eradicates a range of key problem weeds commonly found in forage brassica crops. Cleancrop™ was developed by PGG Wrightson Seeds (operating as DLF Seeds within Australia) and Forage Innovations Limited (FIL) which is the largest forage brassica breeding company in the world.

Sold as a package

CLEANCROP™ BRASSICA SYSTEM

=

CLEANCROP™ BRASSICA SEED

Cultivars that have been **bred to be tolerant** to the *sulfonylurea* **herbicide Telar®.**

\+

TELAR® HERBICIDE

A broad spectrum herbicide that provides **excellent control of broadleaf weeds** from the pre-emerge stage.

Telar® is supplied by FMC.

FMC

Telar® is manufactured by FMC and supplied as a package with Cleancrop™ seed by DLF Seeds.



Weeds controlled

Telar® herbicide controls the following key problem weeds.

Within 48 hours of sowing, apply Telar® at the pre-emergence stage.

- African turnip weed
- Brome grass#
- Ball Mustard
- Capeweed*
- Cape Tulip
- Deadnettle
- Docks
- Fathen#[1]
- Fumitory#[1]
- Hoary Cress[1]
- Indian Hedge Mustard*
- King Island melilot
- Lincoln weed
- Loosestrife
- Mintweed
- Mouse-eared Chickweed
- Mustards[1]
- Onion grass[1]
- Paterson's Curse
- Pimpernels
- Rough poppy
- Saltbush
- Saffron thistle
- Shepherds Purse
- Soursob
- Slender thistle
- Spear thistle
- Storksbill
- Tree hogweed
- Turnip weed
- Wild Radish[1]
- Wild Turnip[1]
- Wireweed

* Pre-sowing and post sowing pre-emergence (PSPE) only.

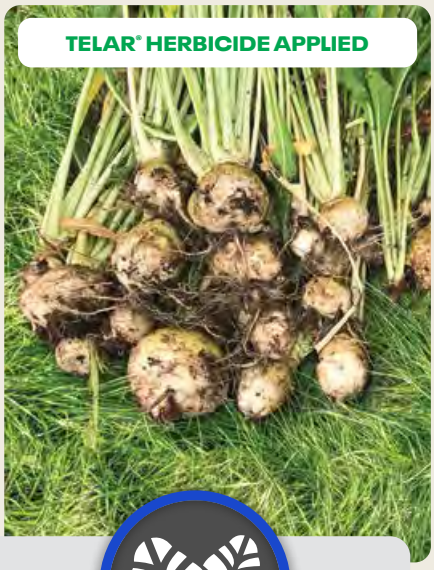
Suppression when applied pre-sowing and post sowing pre-emergence (PSPE).

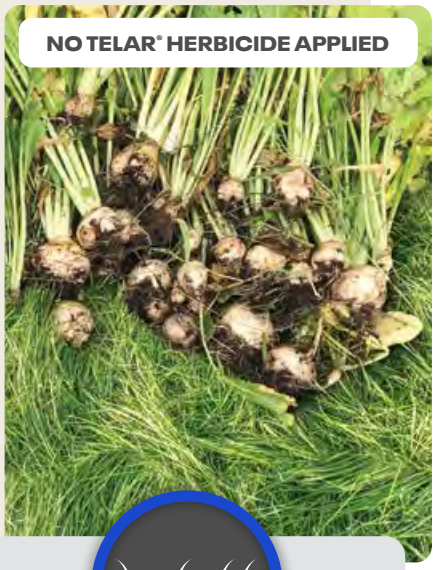
[1] Control when applied post-emergence.

For a full list of weeds controlled please refer to the Telar® label or dlfseeds.com.au.

WHY USE IT?

No other forage brassica system combines the power of traditionally bred herbicide tolerant plants with a broad spectrum herbicide (Telar®) to maximise crop performance.





SIMPLE PLANNING

Give your crop a head start
Weeds are controlled right from the start.

All in one pack
Receive the exact amount of seed and chemical for the job.

MAXIMISE PERFORMANCE

Reduce competition
for moisture and nutrients.

Manage historically difficult to control weeds.

Increase peformance
Excellent agronomic cultivars.

ONGOING BENEFITS

$$$

Maximise yield =
Low c/kgDM.

Short plant back*
Only 3 month grass and clover plant back period (perennial ryegrass mixed with red/white clover).

Cleaner new pasture and renovated paddocks.

* Short plant back period rainfall dependent.

Cleancrop™ FOUNDATION

cleancrop® Brassica System

I have high weed pressure throughout my paddocks, especially when it comes to Fathen, this has greatly limited my crop yields in the past. I sowed Cleancrop Foundation forage rape with the target to achieve 52KG lambs after 5 weeks of grazing. The lambs took to the crop nicely and have done well.

Foundation is slightly taller than Mainstar and handles heat well when compared. It's a great summer crop option and has even assisted in controlling thistles in heavy country.

Dan Mirtschn
Byaduk, VIC



Foundation forage rape

CLEANCROP™ BRASSICA SYSTEM



Sowing rate	4kg/ha
Ready to graze (weeks)	10-13
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

The cleaner forage rape

Providing excellent crop utilisation during grazing, Foundation forage rape is an early to mid maturing, multi graze option with a high leaf-to-stem ratio.

As part of the Cleancrop™ Brassica System, Foundation has been bred to be tolerant to the sulfonylurea herbicide Telar™ – a broad spectrum herbicide that provides excellent control of broad leaf weeds from the pre-emerge stage.

Cleancrop™ Foundation forage rape is available through accredited retailers and is sold as a complete package (seed + herbicide).

- High yielding providing excellent summer/autumn/early winter feed
- High leaf percentage for strong crop utilisation
- Good regrowth potential
- Winter resilience (where plant populations allow)
- Strong aphid tolerance package

NEW

Seed portfolio:

PGG Wrightson Seeds

SCAN ME
NEW Cleancrop™ Foundation Forage Rape video

cleancrop®
Brassica System



Leafy turnip

CLEANCROP™

Sowing rate	4kg/ha
Ready to graze (weeks)	6-10
Rainfall/Irrigation	Minimum 600mm p.a
Used for	

Fast establishing with excellent plant persistence

Sow Cleancrop™ Leafy turnip seed for a multi graze Pasja II/Hunter type turnip that provides sheep, beef and dairy cattle with a flexible grazing option over summer and autumn. Cleancrop™ Leafy turnip is a fast establishing, seed variety with reduced flower bolting and 25% more total yield than Pasja II leafy turnip < (from multiple grazings).

- Fast establishing
- Palatable with high stock acceptance
- Excellent plant persistence after multiple grazings
- 25% greater yield than Pasja II

→ **Available through accredited retailers under agency agreement only**

As part of the Cleancrop™ Brassica System, this leafy turnip has been bred to be tolerant to the sulfonylurea herbicide Telar® - A broad spectrum herbicide that provides excellent control of broad leaf weeds from the pre-emerge stage.

Seed portfolio: PGG Wrightson Seeds



Toto turnip

CLEANCROP™

Sowing rate	1kg/ha Dryland 2kg/ha Summer safe
Ready to graze (weeks)	6-10
Rainfall/Irrigation	Minimum 600mm p.a
Used for	

High yields and early maturity

Sow early maturing Cleancrop™ Toto turnip seed for a high yielding, bulb turnip that can be grazed from 56 days after sowing. The tankard bulb shape coupled with great bulb softness promotes excellent crop utilisation by stock whilst providing farmers with palatable feed during summer and autumn.

- High yield potential
- Palatable with high stock acceptance
- Early maturing summer turnip
- Tankard bulb type for excellent utilisation

→ **Available through accredited retailers under agency agreement only**

As part of the Cleancrop™ Brassica System, Toto has been bred to be tolerant to the sulfonylurea herbicide Telar® - A broad spectrum herbicide that provides excellent control of broad leaf weeds from the pre-emerge stage.

Seed portfolio: PGG Wrightson Seeds

cleancrop®
Brassica System



Bulb turnip

CLEANCROP™

Sowing rate	1kg/ha
Ready to graze (weeks)	12-16
Rainfall/Irrigation	Minimum 600mm p.a
Used for	

High yielding, multi season feed

Cleancrop™ Bulb turnip is a high yielding, globe bulb turnip with medium maturity suitable for sowing from late spring through to early summer to supply feed in summer, autumn and early winter months. Sow Cleancrop™ Bulb turnip from late spring, through to late summer.

High yielding bulb turnip

Suitable for summer/autumn/ winter feed

Pair with Toto for extended seasonal feed



→ **Available through accredited retailers under agency agreement only**

As part of the Cleancrop™ Brassica System, this bulb turnip has been bred to be tolerant to the sulfonylurea herbicide Telar® - A broad spectrum herbicide that provides excellent control of broad leaf weeds from the pre-emerge stage.

Seed portfolio: PGG Wrightson Seeds



Firefly kale

CLEANCROP™

Sowing rate	4kg/ha
Ready to graze (weeks)	21-31
Rainfall/Irrigation	Minimum 650mm p.a
Used for	

Quality feed with excellent leaf to stem ratio

Firefly kale is a high yielding, intermediate height kale with a high leaf-to-stem ratio. Sow for soft stems, winter hardiness and excellent crop utilisation by livestock (due to single plant selection for soft stems during the plant breeding process).

Very good winter hardiness

Excellent pest and disease tolerance

High leaf to stem ratio



→ **Available through accredited retailers under agency agreement only**

As part of the Cleancrop™ Brassica System, Firefly has been bred to be tolerant to the sulfonylurea herbicide Telar® - A broad spectrum herbicide that provides excellent control of broad leaf weeds from the pre-emerge stage.

Seed portfolio: PGG Wrightson Seeds

Pallaton Raphno®

CLEANCROP™ BRASSICA SYSTEM

COMING SOON

DLF Seeds

PALLATON RAPHNO®



Pallaton Raphno®

RAPHANOBRASSICA



Sowing rate	8kg/ha*
Ready to graze (days)	56
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

Take brassica finishing operations to the next level and increase liveweight production per hectare

Pallaton Raphno® is a *raphanobrassica*, a hybrid between *Brassica oleracea* (kale) and *Raphanus sativus* (radish) that is ideal for finishing lambs; providing increased liveweight production. It is high yielding and offers flexible grazing as early as 56 days after sowing. It is persistent under multiple grazings and is highly palatable to stock. **Recommended for experienced brassica growers.**

- High yielding and Aphid tolerant
- Strong plant persistence under multiple grazings
- High palatability
- 38.2% increase in water use efficiency (WUE) relative to Goliath® forage rape

→ **Achieve 5+ grazing's with recommended management and under ideal conditions**

Available through accredited retailers under agency agreement only.

*Must be sown at 8kg/ha.

Seed portfolio:

PGG Wrightson Seeds

"Every time the sheep went into the paddock, they ate the Pallaton to the ground before they ate the leafy turnip. And we have been fairly impressed with the growth rates of Pallaton as well."

Paul Taylor
Red Hills TAS 2025

SCAN ME
Pallaton Raphno® video

The six traits of Pallaton include:

High forage yields
from multiple grazings

Plant persistence
under multiple grazings

Water use efficiency

Clubroot tolerance

Aphid tolerance

Grazing flexibility

Grazing palatability

Pallaton has shown increased palatability relative to forage rape and leafy turnip.

Lambs preferentially grazed Pallaton over the forage rape in central Hawke's Bay, NZ.



Clubroot tolerance

Pallaton Raphno® has a high tolerance to Clubroot which is an issue we are starting to see arise in Victoria and southern New South Wales. Although Pallaton is highly tolerant to Clubroot it is still susceptible to other brassica diseases.



Persistence under multiple grazings

Pallaton has excellent regrowth potential and has the ability to persist for up to 5+ grazings over a 12 month period under ideal conditions and with recommended management.





Aphid tolerance

32% increase in Aphid tolerance relative to forage rape. Pallaton also has a higher level of tolerance to White Butterfly and Diamondback Moth.

Forage rape (L) and Pallaton (R) under Aphid pressure. Both plants have had identical treatment and are in side-by-side plots.





Grazing flexibility

Graze Pallaton as early as 56 days after sowing (DAS), to maximise crop utilisation and regrowth potential. Pallaton does not have a specific maturity requirement.



Water use efficiency

38% increase in water use efficiency (WUE) relative to Goliath® forage rape. Featuring a sizeable taproot, Pallaton is tolerant to drought once established making it ideal for dry conditions.



Forage Rape (L), Pallaton (M) and Grazing canola (R).



DLF Seeds

MAINSTAR

Mainstar

FORAGE RAPE



Sowing rate	3-4kg/ha (sole) 1-2kg/ha (mixed)
Ready to graze (weeks)	10-12
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

The versatile and highly palatable forage rape

Mainstar is a short type forage rape that has excellent regrowth potential after grazing, giving it the ability to respond to moisture after long periods of summer dry. It has increased forage yields over other short type forage rapes. Animal testing during the breeding process found Mainstar to have a higher leaf percentage and superior animal preference over other short type forage rapes.

Early Summer: Ideal for finishing prime lambs and meeting post-weaning feed demand when pastures decline.

Summer: Reliable feed when pasture quality is low and under moisture stress.

Autumn: Supports higher stocking rates during pasture renewal.

- Early maturing, 10-12 weeks
- Highly palatable
- Excellent regrowth potential
- Tolerant to Aphids
- High leaf percentage and superior animal preference

"On our family farm, we run a self replacing Merino flock plus First Cross, east of Meredith, Victoria. In spring 2023, we direct drilled Mainstar forage rape into old Bent grass country as part of our summer crop to finish prime lambs and first cross ewe lambs. Under tough conditions, the Mainstar did very well and was grazed a number of times through the summer. One thing I really liked was the amazing re-growth of the Mainstar and, how soft and palatable it was. The Mainstar also grew well through winter and remained very leafy - I would definitely grow it again."

Scott & Jackie Ferry
Durdidwarrah, Meredith VIC

Seed portfolio:
AGRICOM Pastures for Profit®

Mainstar forage rape: Demonstrates superior animal preference in Armidale NSW

Sowing Mainstar forage rape, a brassica that features newer genetics, high palatability, and a high leaf to stem ratio, can help farmers improve their return on investment by providing...

- **more feed.**
- **a higher carcass weight.**
- **higher weight gains.**
- **better utilisation.**
- **preferential grazing for sheep.**

A recently released study from Armidale, NSW, demonstrated sheep's grazing preference of Mainstar, compared to other forage rape varieties.*

Here's what happened:

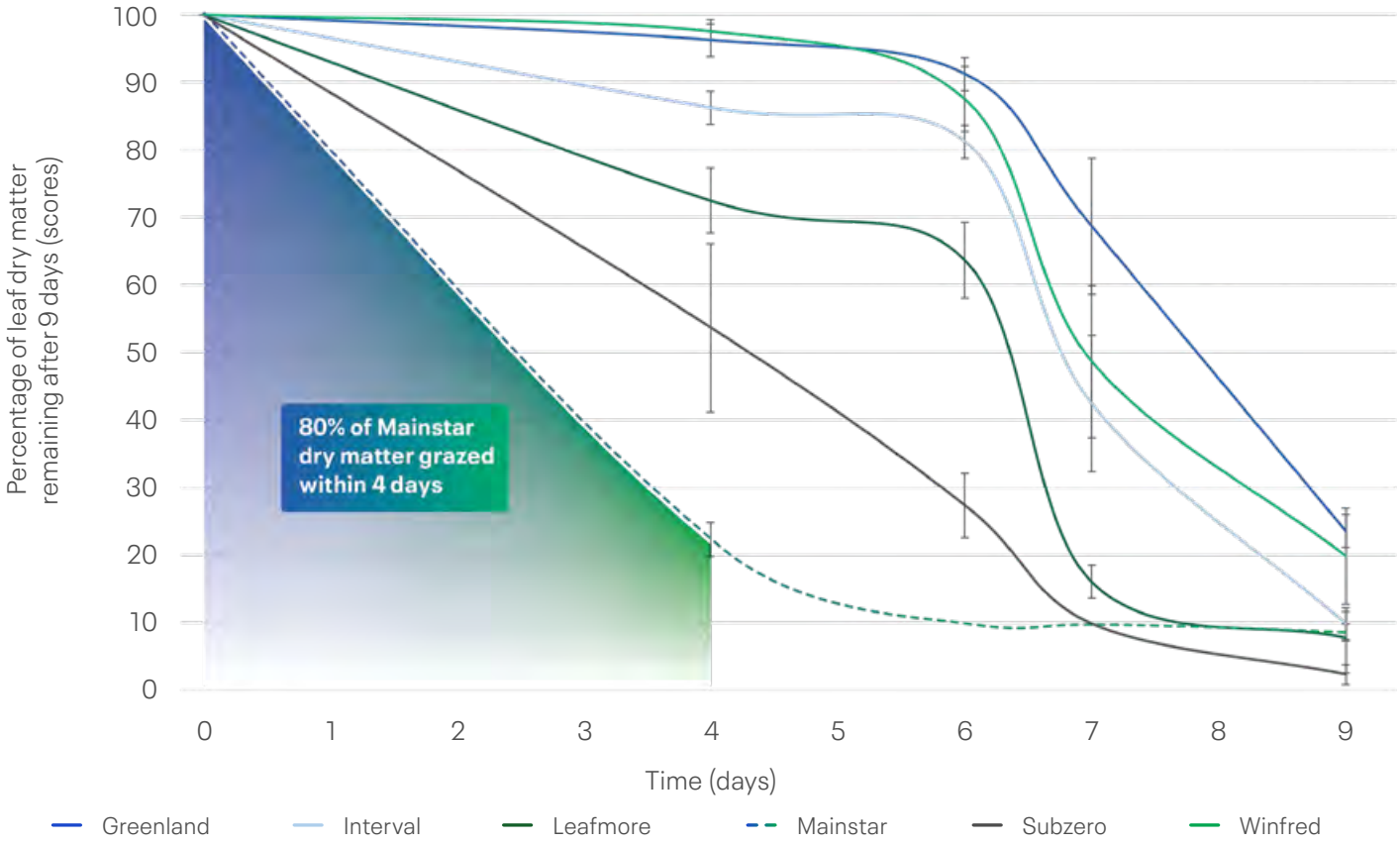
Day 1: Sheep preferentially grazed Mainstar and only Mainstar.

Day 2, 3 and 4: Aside from a few nibbles, sheep continued to preferentially graze Mainstar until approximately 20% was left.

After 80% of Mainstar had been grazed: Sheep began grazing other plants.

Rest of the trial: Sheep began grazing the other forage rape varieties (but only once Mainstar was mostly gone).

FIGURE 24: Dry matter remaining after grazing days.



Why did this happen?

Mainstar forage rape is one of the market leading forage rapes for good reason. Amongst other features and benefits, it...

- **has a high leaf percentage, tender leaves and less stem.**
- **was specifically bred for higher palatability and better utilisation.**
- **provides feed when pasture quality and moisture is low.**
- **has a strong tolerance to Aphids.**
- **provides more leaf regrowth after grazing.**

All of which lead to superior animal preference, easier grazing and more useable feed.

Trial details

At the UNE campus, 26 sheep grazed on nine different forage brassica varieties. The crops were planted in 6m x 10m plots at 4kg/ha in early December (each plot was repeated four times for increased accuracy).

The trial utilised GPS to track the sheep, cameras to see where they grazed, and visual checks to see how much of each crop was eaten^. This was done over nine days with two grazing phases.

Trial conclusion

Mainstar forage rape has shown to be a top choice for sheep, leading to better utilisation and potentially higher profits for farmers.

* This study was completed by honours student Harry Sellers and research scientist Laughlan Stewart at the University of New England (UNE).
^ Trial utilised a combination of GPS collars and video tracking of sheep location.
Note: Removed from figure 24: other DLF Seeds brassica varieties.
Published date: Recently released trial date in June 2025 (Trial conducted in 2016/1017)

Titan
FORAGE RAPE



Sowing rate	3-5kg/ha (sole) 1-3kg/ha (mixed)
Ready to graze (weeks)	10-13
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

Seed portfolio: PGG Wrightson Seeds

The tasty multi graze option

Titan combines early maturity, high dry matter yields and exceptional palatability to deliver a high quality summer/autumn/winter feed option. Strong regrowth potential offers multi graze options for all grazing systems. Titan provides very good Aphid and virus tolerance.

- High animal preference forage rape cultivar
- High whole plant MJME (megajoules of metabolisable energy) for greater animal performance
- Multi graze option with excellent regrowth potential
- Very good Aphid and virus tolerance
- Bred and trialled by Forage Innovations Limited (FIL) for Australian grazing systems

Hunter
LEAFY TURNIP



Sowing rate	4-5kg/ha (sole) 1-2kg/ha (mixed)
Ready to graze (weeks)	6-8
Rainfall/Irrigation	Minimum 600mm p.a
Used for	

Seed portfolio: Agricom

Fast maturing and highly palatable

As a cross between a turnip and a forage rape, Hunter is a quick growing, leafy turnip with minimal bulb development. Fast maturing, Hunter provides high quality, quick forage, and produces high liveweight gains in beef and sheep. Selected for its vigorous regrowth, Hunter recovers fast and produces strong yields.

Hunter is a great option for early autumn feed. Hunter usually shows good resistance to most Clubroot races, but is susceptible to Aphids. Hunter is best suited to heavier soil conditions with periodic summer moisture or irrigation.

- Early maturing, graze as early as 6-8 weeks
- Fast recovery from grazing
- High yielding for more feed
- Strong recovery after multiple grazings
- Bred for turnip mosaic and cauliflower mosaic virus tolerance

Appin
STUBBLE TURNIP



Sowing rate	3-5kg/ha (sole) 1-4kg/ha (mixed)
Ready to graze (weeks)	6-10
Rainfall/Irrigation	Minimum 600mm p.a
Used for	

Seed portfolio: PGG Wrightson Seeds

The flexible, multi graze option

Appin stubble turnip has a very high initial growth rate up until first grazing. Tops can be grazed initially, then regrowth of leaf and bulb will occur after a short spell.

- Tops and bulbs are highly palatable for sheep and cattle
- Excellent option for quick winter feed
- Re-grazing in 30 days is possible if initial grazing is managed well

→ **Highly compatible with annual and Italian ryegrass mixes**

Pasja II

LEAFY TURNIP



Sowing rate	4-5kg/ha (sole) 1-2kg/ha (mixed)
Ready to graze (weeks)	6-8
Rainfall/Irrigation	Minimum 600mm p.a
Used for	

Seed portfolio: PGG Wrightson Seeds

Ready to graze in 42 days for quality feed you can rely on

The brassica to sow when fast, high quality spring/summer/autumn feed is needed. Pasja II combines early maturity with yield and the option for multiple grazings, providing high amounts of quality fast feed you can rely on. Sow as a sole pasture, as a multi-species mix or mixed with Italian or annual ryegrass.

- High dry matter yields
- Selected for reduced bolting
- Multi graze option with excellent regrowth potential
- Fast establishing for quick feed
- Minimal ripening required
- Excellent grazing tolerance

Australian Purple Top

TURNIP



Sowing rate	1-2kg/ha (sole) 0.5-1kg/ha (mixed)
Ready to graze (weeks)	12-14
Rainfall/Irrigation	Minimum 600mm p.a
Used for	

Seed portfolio: Agricom

Bred for increased tolerance to dry conditions and Diamondback Moth

Australian Purple Top (APT) is an Australian selection from the popular Mammoth Purple Top turnip. Bred for increased tolerance to dry conditions in Australia and Diamondback Moth. APT has true leafy tops and large round bulbs. APT is a mid-maturing variety suitable for beef, sheep and dairy operations.

- Selected for improved Diamondback Moth (DBM) tolerance
- Maturity in 12-14 weeks
- Selected for dryland conditions

Barkant

TURNIP



Sowing rate	1-4kg/ha (sole) 0.5-2kg/ha (mixed)
Ready to graze (weeks)	10-12
Rainfall/Irrigation	Minimum 600mm p.a
Used for	

Seed portfolio: PGG Wrightson Seeds

The perfect balance for summer pastures

Barkant turnip produces high quality feed with a high metabolisable energy (ME) value, meaning greater animal performance can be achieved. It is a high performance feed for lactating dairy cows, supplying the energy required to boost milk production.

- High dry matter yield and high metabolisable energy
- Tankard bulb shape to enhance utilisation and reduce risk of choke associated with round bulbs
- High leaf to bulb ratio resulting in high levels of protein
- Improved milk production in dairy cows
- Very good energy

→ **For lactating dairy cows, avoid feeding more than 33% of their diet as brassica. Always feed a balanced diet**

Green Globe

TURNIP



Sowing rate	1-2kg/ha (sole) 0.5-1kg/ha (mixed)
Ready to graze (weeks)	12-17
Rainfall/Irrigation	Minimum 600mm p.a
Used for	

Seed portfolio: DLF Seeds

Multi purpose turnip offering flexibility

Green Globe turnips are ideal for late autumn/winter feed in more challenging environments. Planted in summer they can be grazed 90-120 days after sowing; they do not require a specific ripening period. There are a number of situations where they can be incorporated, whether it is as part of a development plan (i.e. breaking in country), lower fertility soils or more challenging topography.

- Multi purpose turnip offering flexibility
- Good yield potential (10,000kgDM/ha) for grazing in late autumn and winter
- Late maturing

Rival

TURNIP



Sowing rate	1.5-3kg/ha (sole) 0.5-2kg/ha (mixed)
Ready to graze (weeks)	10-12
Rainfall/Irrigation	Minimum 600mm p.a
Used for	

Seed portfolio: Agricom

Mid maturing, summer turnip

Rival summer turnip is a mid-maturing tankard shaped bulb turnip bred for high leaf production and improved turnip mosaic virus tolerance. Rival summer turnip provides high volumes of high energy, high protein and low fibre forage at a time of year when fibre content of pastures are increasing, and energy and protein are decreasing.

- Early maturing (10-12 weeks), summer turnip
- Excellent leaf production and leaf holding
- Bulb turnip with high proportion above ground

→ **Direct drill at 1.5kg/ha or broadcast 2-3kg/ha**

Domain

SWEDE



Sowing rate	1-2kg/ha (sole) 0.5-1kg/ha (mixed)
Ready to graze (weeks)	20-24
Rainfall/Irrigation	Minimum 700mm p.a
Used for	

Seed portfolio: Agricom

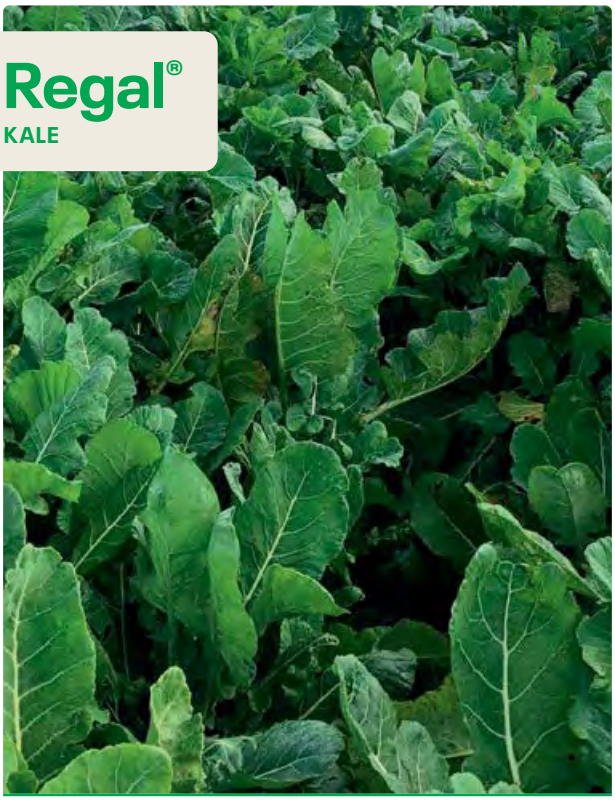
Palatable yellow fleshed swede – suitable for younger stock classes

Domain is a new generation, Dry Rot tolerant, yellow fleshed swede. Domain is an early maturity traditional swede and is very similar in growth habit to Dominion which it replaces. Sow from September to November for a May to June grazing onwards.

- Dry Rot tolerant
- Early maturity swede in 20-24 weeks
- Quality feed
- Palatable for good stock acceptance

Regal®

KALE



Sowing rate	4-6kg/ha (sole) 1-3kg/ha (mixed)
Ready to graze (weeks)	18-24
Rainfall/Irrigation	Minimum 650mm p.a
Used for	

The kale of choice for winter yield

Regal® is an intermediate height kale which provides exceptional forage yields for stock to graze over the cooler winter months. Selected for soft stems and high leaf to stem ratio, Regal® kale provides plenty of leafy forage leading to excellent utilisation as well as maximising animal performance.

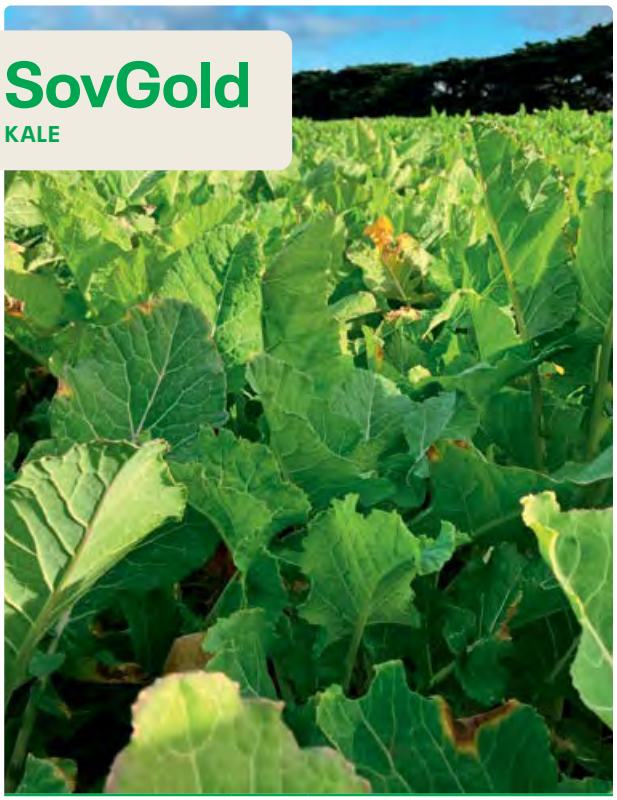
- High yielding intermediate height kale
- Bred and trialled by FIL for Australian grazing systems
- High leaf-to-stem ratio
- Very good winter hardiness and excellent pest and disease tolerance

→ **Excellent crop utilisation due to selection for soft stems**

Seed portfolio: PGG Wrightson Seeds

SovGold

KALE



Sowing rate	4-6kg/ha (sole) 1-3kg/ha (mixed)
Ready to graze (weeks)	18-24
Rainfall/Irrigation	Minimum 650mm p.a
Used for	

Great utilisation and less wastage

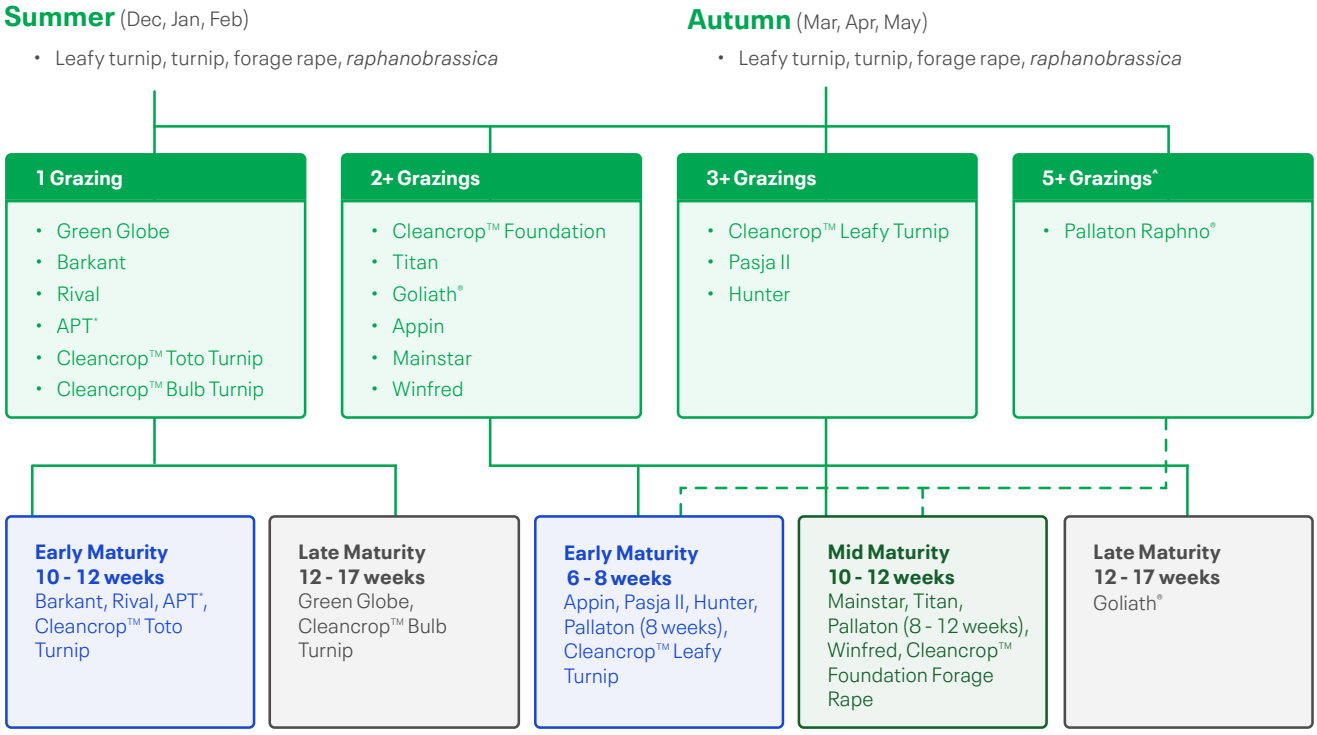
SovGold is a medium to tall kale variety with a fine stem and high leaf to stem ratio. Trials have shown SovGold to have greater utilisation and less wastage compared to competing kale varieties. Maturity is 18-24 weeks, with sowing time September to November for an April to June grazing onwards.

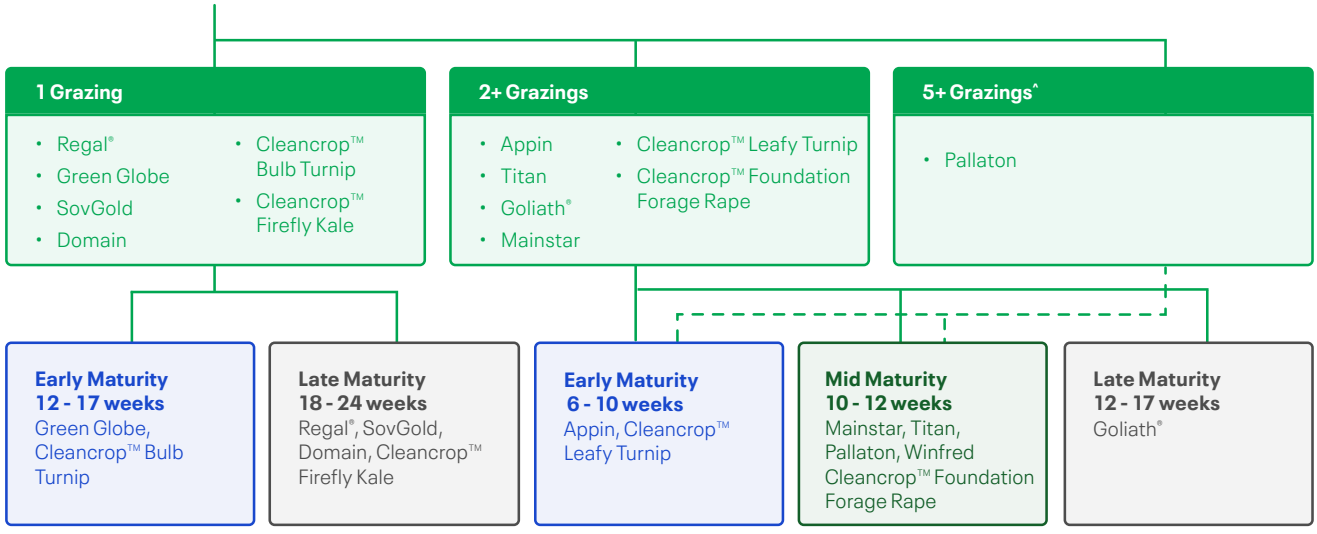
- Medium to tall variety
- Greater utilisation and less wastage compared to other varieties

Seed portfolio: AGRICOM Pastures for Profit®

WHICH BRASSICA SHOULD I SOW?

FIGURE 25: When do you require your brassica crop? (i.e. when will it be grazed).





^Pallaton can achieve 5+ grazings under ideal conditions and with recommended management.
*Australian Purple Top turnip.

DLF Seeds

1800 619 910 | dlfseeds.com.au

FORAGE OATS & RYECORN

Available from your local rural retailer.

Forage oats: A fast establishing, cool-season active cereal, selected for early winter feed, silage or hay, with strong tillering and rust resistance.

Ryecorn: A winter-active cereal rye known for rapid early growth and cold tolerance, ideal for early grazing and weed suppression in mixed systems.

Profitable pasture mixes: For custom mix advice, reach out to your local rural retailer, your DLF Seeds Sales Agronomist OR, see our MAXImiser® mix range at the back of this guide.

Stock class key



Southern Green

FORAGE RYECORN



Sowing rate	60-120kg/ha (sole) 40-80kg/ha (mixed)
Ready to graze (days)	30-55
Heading date	Early
Rainfall/Irrigation	Minimum 400mm p.a
Used for	

Seed portfolio: DLF Seeds

High yielding, quick winter feed option

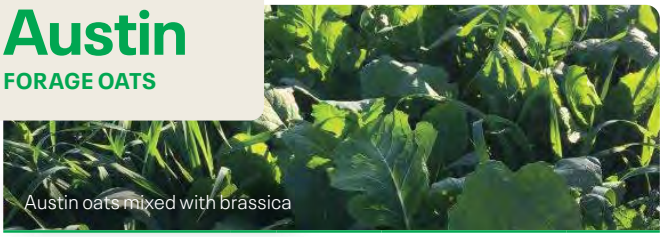
Southern Green ryecorn is an exceptionally fast establishing grazing option particularly when sown late into cold conditions. Providing early feed, Southern Green is ready to graze three weeks before oats and will offer multiple grazing opportunities when managed correctly.

Unlike common ryecorn, Southern Green produces high quality feed at a time when feed is in short supply. Highly palatable whilst in the vegetative stage, Southern Green is grazed preferentially before oats in early winter but can become unpalatable in spring because stems are more fibrous than those of other cereals.

- Exceptional speed of establishment
- Excellent yield when blended with annual ryegrass
- Can be sown with Italian ryegrass to extend spring growth
- Ready to graze earlier than oats
- Highly palatable in vegetative state

Austin

FORAGE OATS



Austin oats mixed with brassica

Sowing rate	80-120kg/ha (sole) 40-80kg/ha (mixed)
Ready to graze (days)	40-55
Heading date	Mid
Rainfall/Irrigation	Minimum 400mm p.a
Used for	

Seed portfolio: DLF Seeds

Good tillering and strong initial growth

A medium maturity (similar to Drover) forage oat with an erect growth habit. Strong initial growth, regrowth and high total season yield. Good tillering ability for good recovery after cutting or grazing.

- Very strong initial growth
- High total season dry matter yield
- Medium maturity

Bond

FORAGE OATS



Sowing rate	80-120kg/ha (sole) 40-80kg/ha (mixed)
Ready to graze (days)	40-55
Heading date	Mid-Late
Rainfall/Irrigation	Minimum 400mm p.a
Used for	

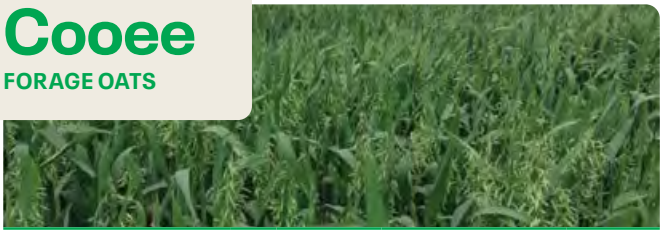
Seed portfolio: DLF Seeds

Fast to establish with strong tillering

Quicker to establish compared to other varieties, Bond is medium to late maturing oat with a semi-erect growth habit and a flowering date 7–10 days. Sow Bond forage oats for strong initial growth and high total season dry matter. Prolific tillering gives Bond the ability to recover well after cutting or grazing.

- Strong initial growth
- High total season dry matter yield
- Medium-late maturity
- Quick winter feed option

Cooee
FORAGE OATS



Sowing rate	80-110kg/ha (sole) 40-80kg/ha (mixed)
Ready to graze (days)	40-55
Heading date	Mid
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

Seed portfolio: PGG Wrightson Seeds

Quick winter grazing and quality spring feed

Cooee® is a versatile, fast growing, winter forage oat that provides good winter to early spring feed. One of the features of Cooee® oats is its broader style leaves that when used in a hay production system, offer the benefits of higher quality conserved feed.

Cooee® oats is adapted to a wide range of soil types and has been bred for resistance to leaf rust and good tolerance to Barley Yellow Dwarf Virus (BYDV).

- Fast winter growth
- Provides extended grazing opportunities
- Excellent silage and hay options
- Can be mixed with ryegrass to extend the growing season

Ignite
FORAGE OATS



Sowing rate	60-120kg/ha (sole) 40-80kg/ha (mixed)
Ready to graze (days)	40-55
Heading date	Late
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

Seed portfolio: DLF Seeds

Rust resistance and outstanding dry matter production

Ignite was chosen due to its excellent initial growth and dry matter production combined with rust resistance to all current leaf rust pathotypes. Suitable for all classes of livestock, hay or silage production, Ignite is a semi erect variety suited to a wide range of soil types. Ignite is later maturing and will remain vegetative into late spring (moisture dependent). For best results in a continuous grazing system, do not graze below the growing point (located just above the highest node). To achieve maximum regrowth, it is suggested not to graze below 10-15cm.

- Increased tiller density compared to Flinders forage oat
- Establishes in warmer soils (up to 28°c)
- Excellent early vigour with high dry matter production
- High quality autumn and winter feed (ideal for early plantings)

→ **Heavy grazing will result in poor regrowth.**

Spark
FORAGE OATS



Sowing rate	60-120kg/ha (sole) 40-80kg/ha (mixed)
Ready to graze (days)	40-55
Heading date	Late
Rainfall/Irrigation	Minimum 500mm p.a
Used for	

Seed portfolio: DLF Seeds

Late maturity and full rust resistance

Spark forage oats has full leaf rust resistance*, delivers strong forage performance, high dry matter yields and strong regrowth. Sow as an ideal companion to Ignite forage oats or as a sole crop in any other grazing/cutting program.

As a late maturing oat, Spark produces more vegetative growth, more feed and provides harvest flexibility in regions with a long growing season.

- Intermediate growth habit
- High total dry matter yield
- Strong tillering after grazing, fills wide rows
- Late maturity
- Full leaf rust resistance to all known pathotypes*

NEW: Autumn 2026 ex harvest (limited)

*Full leaf rust resistance to all known pathotypes (based on testing performed by University of Sydney – Cobbitty, NSW).

DLF Seeds

1800 619 910 | dlfseeds.com.au



CORSON MAIZE & SORGHUM

Available from your local rural retailer.

The Corson Maize Story: Corson maize builds its product portfolio by utilising their global breeder relationships. These valued relationships enable Corson Maize to access a broad range of maize genetics for evaluation in the Australian market. The Corson Maize Product Development team understands grower needs and is always looking for improved field reliability and yield performance. Extensive multi-year trialling and evaluation programmes are used to fully assess new hybrids prior to introducing them to the market.

Forage sorghum: A warm season, high yielding, C4 plant suited to irrigated summer systems and dryland operations. Valued for its rapid regrowth, drought resilience, and suitability for silage or grazing.

Used for key



Beef | Dairy | Sheep | Hay | Silage

Refer to individual product pages for product specific "used for" key

DLF Seeds

BOOSTER



Booster

MAIZE SILAGE CRM 81, GRAIN CRM 88

HYBRID TRAITS	
Early growth	★★★★★
Drought tolerance	★★★★
Stay green	★★★★
Whole plant digestibility	★★★★
Total energy	★★★★
Stalk strength	★★★★
Root strength	★★★★
Rust tolerance	★★★
Northern leaf blight	★★★
Grain drydown	★★★

PLANTING POPULATIONS	(000/HA)
Silage	95-105
Grain	90-100

Booster is a very early dual-purpose hybrid suitable for regions where an exceptionally high yielding, early maturing maize hybrid is desired. Featuring fantastic standability and good late season plant health. Booster's yield stability provides a solid platform for silage and grain growers. High yield potential and consistency, combined with a very good agronomic profile, make Booster the hybrid of choice in the 'very early' maize market.

- Very early maturity dual-purpose hybrid
- Excellent yield stability
- Large bulky plant with excellent early growth
- Very good stalk and root strength
- Girthy well filled ears packed with large excellent test weight kernel
- Maize silage CRM 81 and grain CRM 88

The information is generated from New Zealand.
All ratings are not comparable to any other company's ratings and are based on observations by Corson Maize staff.

Seed portfolio:

CORSON MAIZE

"The yield I've achieved with Booster is a game changer. Last season I harvested around 19 tonnes per hectare, which delivered stable feed and security. I wasn't sure what to expect when testing Booster, but the test results spoke for themselves, and it has become an essential part of my silage production system."

Alan Olsen
Stony Creek, VIC 2023

Gerzi

MAIZE SILAGE CRM 97, GRAIN CRM 102



HYBRID TRAITS	
Early growth	★★★★
Drought tolerance	★★★★
Stay green	★★★
Whole plant digestibility	Insufficient data
Total energy	Insufficient data
Stalk strength	★★★★
Root strength	★★★★
Rust tolerance	★★★★
Northern leaf blight	★★★
Grain drydown	★★★★

PLANTING POPULATIONS	(000/HA)
Silage	95-105
Grain	90-100

KEY

★	★★	★★★	★★★★	★★★★★
Poor	Below Average	Good	Very Good	Excellent

Gerzi is a bulky, medium to tall plant that modifies its stature depending on the environment. Gerzi consistently produces high grain content silage and has the potential for excellent grain yields. For optimal results, ensure silage crops are monitored well as harvest approaches.

- Medium to tall, dual-purpose hybrid
- Adaptable with excellent grain yields
- High test weight grain
- Strong, comprehensive agronomic profile
- High silage yields
- Maize silage CRM 97 and grain CRM 102

Seed portfolio: CORSON MAIZE

Pelota

MAIZE SILAGE CRM 109



HYBRID TRAITS	
Early growth	★★★★
Drought tolerance	★★★
Stay green	★★★★
Whole plant digestibility	Insufficient data
Total energy	Insufficient data
Stalk strength	★★★
Root strength	★★★★
Rust tolerance	★★★
Northern leaf blight	Not available

PLANTING POPULATIONS	(000/HA)
Silage	90-100

KEY

★	★★	★★★	★★★★	★★★★★
Poor	Below Average	Good	Very Good	Excellent

Pelota is a large, robust plant with impressive stature and adequately sized cobs set high on the plant. Positioned as a silage hybrid, Pelota delivers early growth and impressive yields on fertile ground.

- Tall, bulky plant
- Consistent uniform cob sizes
- Strong early vigour
- Maize silage CRM 109

Seed portfolio: CORSON MAIZE

The information is generated from New Zealand. All ratings are not comparable to any other company's ratings and are based on observations by Corson Maize staff.

BMR Fuel®

FORAGE SORGHUM



Sowing rate	15-30kg/ha (sole)
Ready to graze (weeks)	5-8
Rainfall/Irrigation	Minimum 450mm p.a
Used for	

Seed portfolio: DLF Seeds

An early maturing BMR sorghum x sudan cross, perfect for hay and silage

BMR Fuel® is an ideal sorghum for silage and hay production. It offers high dry matter yields combined with the Brown Mid Rib (BMR) gene for lower lignin (indigestible fibre) for improved crop quality. BMR Fuel® is recommended instead of millet, where rotational grazing is an option. This is as a result of its higher water use efficiency which makes it more profitable per kg of dry matter produced.

- An early maturing BMR sorghum x sudan hybrid
- Fast establishing
- Excellent regrowth
- Suited to intensive grazing systems and silage production
- Suitable in multi-species mixes

Pronto®

FORAGE SORGHUM



Sowing rate	15-30kg/ha (sole)
Ready to graze (weeks)	5-8
Rainfall/Irrigation	Minimum 450mm p.a
Used for	

Seed portfolio: DLF Seeds

Fast maturing sorghum x sudan cross, for early grazing, silage and hay

Pronto® forage sorghum is a fast maturing sorghum sudan cross suited to a wide range of environments. Pronto® produces large wide leaves and fine stems, which makes it an ideal option for silage/hay production.

- Fine stems
- Wide large leaf
- Excellent production under irrigation
- Ideal for silage and hay production

Speedan®

FORAGE SORGHUM



Sowing rate	15-30kg/ha (sole)
Ready to graze (weeks)	5-8
Rainfall/Irrigation	Minimum 450mm p.a
Used for	

Seed portfolio: DLF Seeds

Fast maturing sorghum with high dry matter production through summer and autumn

Speedan® is a sudan x sudan forage sorghum. It has been selected as a fast maturing, high quality sorghum suitable for sheep and cattle. Speedan® is well suited to dryland or irrigated environments and has the potential to produce large amounts of dry matter during the summer and autumn period.

- Lower prussic acid levels
- Fine stemmed sudan x sudan forage sorghum hybrid
- Quick regrowth after initial cutting/grazing
- Thin leaves and stems make it ideal for hay production and grazing
- Ideal cutting height 1-1.5m



SEED TREATMENT

Applying a seed treatment to forage seed is a very effective plant protection tool, helping to ensure seedling establishment and early plant development is maximised so that a high producing pasture or crop can be achieved.

The first six weeks after sowing is a critical stage in the life of a new plant as seedlings emerge and develop their plant structures. Seed treatment has a very important role to play during this period as seed treatment protects the seedling during establishment (0 - 6 weeks), and it is during this time that seedlings are most at risk from external factors, such as pest and disease pressure.

SUPERSTRIKE®

Legume seed treatment



Seed treated: A combination of seed protection and enhancement additives.

Used for:

- Legumes and tropical/subtropical seeds

Superstrike® benefits:

- Assists in maximising seedling establishment, plant development and forage yields
- Targeted protection against major insects and diseases during the first 0-6 weeks after sowing
- Not harmful to beneficials, such as earthworms
- Cost effective compared with 'broadacre' control options

Contains:

- Poncho® Plus, a systemic insecticide for protection against Red Legged Earth Mite, Blue Oat Mite, Cutworm and Lucerne Flea (suppression only). Please note, in some cases where high numbers of pests are present, a follow up insecticide treatment may be necessary
- Apron XL® fungicide or Axy-M fungicide are applied to control against 'damping off' diseases *Pythium* and *Fusarium*, applied to sub clover and lucerne
- Inoculated with Nitrogen-fixing bacteria Rhizobia (no Rhizobia inoculant applied to tropical legumes)
- A fine lime base for localised pH correction around seedlings





ULTRASTRIKE®

Brassica, grass and chicory seed treatment

Ultrastrike® is a broad spectrum 'film coat' that provides establishing grass, chicory and brassica seedlings with extensive protection.

- Assists in maximising seedling establishment and plant development
- Effective against a range of common insects
- Effective against a range of diseases in brassica and chicory
- Not harmful to beneficials such as earthworms
- Cost effective compared with 'broadacre' control options



Recommended for grass, brassica and chicory:

- Use in oversowing programmes due to the increased risk of insect damage in grass to grass environments
- Oversowing situations where competition from the existing pasture can be limiting on new seedlings
- All autumn and spring sown grasses, brassica and chicory

Contains:

- Poncho® Plus; a systemic insecticide for protection against Red Legged Earth Mite, Blue Oat Mite, African Black Beetle, Yellow Headed Cockchafer and Lucerne Flea (suppression only). Please note, in some cases where high numbers of pests are present, a follow up insecticide treatment may be necessary
- Thiram fungicide effective against the 'damping off' diseases *Pythium* and *Fusarium* applied on Pallaton, Barkant, and Green Globe
- Apron XL fungicide effective against the 'damping off' diseases *Pythium* and *Fusarium* applied on Domain, Goliath®, Mainstar, Winfred, Titan and Regal®
- Grazing withholding period is 8 weeks for forage brassica, broadleaf pasture and 6 weeks for grass pastures



Pasja II, Hunter, Cleancrop™ leafy turnip and Appin stubble turnip

Contains:

- Pasja II, Hunter, Cleancrop™ leafy turnip and Appin stubble turnip are not Poncho® Plus treated. They are treated with Gaucho®, a systemic insecticide for protection against Red Legged Earth Mite and Blue Oat Mite. Please note, in some cases where high numbers of mites are present, a follow up insecticide treatment may be necessary
- Thiram fungicide effective against the 'damping off' diseases *Pythium* and *Fusarium*
- Grazing withholding period is 6 weeks

Poncho® Plus

CROP x PEST TABLE

	Cutworm	Wireworm	Aphids	RLEM	BOM	YHC	African black beetle	Lucerne flea
Broadleaf pasture	■			■	■			■
Grass pasture	■			■	■	■	■	■
Canola, forage brassica	■	■	■	■	■			■
Maize, sweet corn, sorghum	■	■	■					
Sunflower	■	■						

■ = control ■ = suppression

RLEM = Red Legged Earth Mite BOM = Blue Oat Mite YHC = Yellow Headed Cockchafer

Withholding periods

Harvest: Not required when used as directed

Grazing; Maize, sorghum, sweet corn: Do not graze or cut for stock food for 4 weeks after sowing

Grass pasture: Do not graze or cut for stock food for 6 weeks after sowing

Canola, forage brassica, broadleaf pasture: Do not graze or cut for stock food for 8 weeks after sowing

Reference: BASF

Prillcote® legume seed treatment (limited availability)

Contains:

Lime to provide localised pH correction around the seedling and strains of Nitrogen fixing bacteria (*Rhizobia*) specific to clover and lucerne



ENDOPHYTES

FIGURE 26: Endophyte insect control – Ryegrass, Festulolium & Continental Tall Fescue

These tables are developed in New Zealand using New Zealand information.
These tables were approved by the NZPBRA executive September 2024

Endophyte brand	Argentine Stem Weevil	Pasture Mealy Bug	Black Beetle	Root Aphid	Porina	Grass Grub	Field Cricket
Diploid perennial ryegrass							
AR1	••••	••••	•	-[2]	-	-	Not tested
AR37	••••[1]	••••	•••	••••	•••	•	Not tested
CM142	Not tested	Not tested	Not tested	••••	Not tested	Not tested	Not tested
NEA2	•••	(••••)	•••	••	Not tested	-	Not tested
NEA4	•••	(••••)	•••	••	Not tested	Not tested	Not tested
NEA12	(••••)[1]	Not tested	(•••)	••••	(•••)	Not tested	Not tested
RGT18	(•••)[1]	Not tested	(•••)	Not tested	(•••)	Not tested	Not tested
Standard Endophyte	••••	••••	•••	••	•	-	Not tested
Without Endophyte	-	-	-	-	-	-	Not tested
Tetraploid perennial ryegrass							
AR1	(•••)	(••••)	•	-[2]	-	-	Not tested
AR37	(•••)[1]	(••••)	•••	••••	(•••)	•	Not tested
CM142	Not tested	Not tested	Not tested	••••	Not tested	Not tested	Not tested
NEA2	••	(••••)	•••	••	Not tested	-	Not tested
Without Endophyte	-	-	-	-	-	-	Not tested
Italian and short term (hybrid) ryegrass							
AR1	••	(••••)	•	-[2]	Not tested	-	Not tested
NEA	Not tested	(••••)	•••	Not tested	Not tested	-	Not tested
AR37	•••[1]	(••••)	•••	••••	Not tested	-	Not tested
NEA12	(•••)[1]	Not tested	(•••)	••••	Not tested	-	Not tested
Without Endophyte	-	-	-	-	-	-	Not tested
Festulolium							
U2	••••	(••••)	••••[3]	••••	(••)	•••	•••
Continental tall fescue							
MaxP® (AR584)	Not tested	Not tested	•••	(••••)	Not tested	(••)	•••
Without Endophyte	-	-	-	-	-	-	-

Notes on Tables

- \- No control.
- • Low level control: Endophyte may provide a measureable effect, but is unlikely to give any practical control.
- •• Moderate control: Endophyte may provide some practical protection, with a low to moderate reduction in insect population.
- ••• Good control: Endophyte markedly reduces insect damage under low to moderate insect pressures.
  Damage may still occur when insect pressure is high.
- •••• Very good control: Endophyte consistently reduces insect populations and keeps pasture damage to low levels, even under high insect pressure.
- () Provisional result: Further results needed to support the rating. Testing is ongoing.
- 1 AR37, NEA12, RGT18 endophyte controls Argentine stem weevil Larvae, but not adults. While Larvae cause most damage to pastures, adults can damage emerging grass seedlings. In Argentine stem weevil prone areas it is recommended to use treated seed for all cultivars with novel endophyte.
- 2 AR1 plants are more susceptible to root Aphid than plants without endophyte.
- 3 Active against black beetle adults and larvae.

FIGURE 27: Endophyte Animal Safety – Ryegrass, Festulolium & Continental Tall Fescue

September 2024

The information in this table is based on animal safety trialling protocols designed to expose animals to simulated worst-case scenario management. This involves forcing them to graze deep into the base of pure perennial ryegrass pastures that have been allowed to grow for several weeks over late spring/summer (similar to a hay crop) where they will encounter the highest concentrations of harmful endophyte chemicals if these are present.

This management does not represent normal farm practice although similar situations may arise on farms in rare circumstances. Under normal farm grazing practices, the contribution of basal pasture material to total animal dry matter intake is relatively low and therefore the intake of harmful chemicals (if they are present) is diluted. Thus, the likelihood of adverse effects on animals is reduced, but the potential for problems to occur may still exist if the endophyte brand is rated < 4-star for 'freedom from staggers' and/or there are comments on animal performance which flag potential issues.

Comments on animal performance have been moderated based on information from other trials (in addition to the formal animal safety testing protocols), consideration of the 'normal' grazing management practices implemented on farm (see previous paragraph), and recognition that animal diets are very seldom pure ryegrass. Other dietary components such as clovers or non-ryegrass grass species, crops or supplements will dilute the intake of endophyte alkaloids.

Endophyte brand	Freedom from staggers		Effects on animal performance
	Sheep and lambs	Cattle and dairy cows	
AR1	• • • •	• • • •	High level of animal performance.
AR37	• • •	• • • •	Typically provides a high level of animal performance. Can cause ryegrass staggers in sheep and lambs in extreme circumstances. Lamb liveweight gain can be reduced during periods of severe staggers. While ryegrass staggers has not been observed in cattle and dairy cows, it could occur on rare occasions.
CM142	(• • • •)	• • • •	Typically provides a high level of animal performance. Can cause ryegrass staggers in sheep and lambs in extreme circumstances. Lamb liveweight gain can be reduced during periods of severe staggers. While ryegrass staggers has not been observed in cattle and dairy cows, it could occur on rare occasions.
NEA	• • • •	• • • •	High level of animal performance.
NEA2	• • • •	• • • •	Typically provides a high level of animal performance. Lamb liveweight gain could be reduced in extreme circumstances. While no effects have been observed in cattle and dairy cows, body temperature could be elevated on rare occasions.
NEA4	• • • •	• • • •	Typically provides a high level of animal performance. Lamb liveweight gain could be reduced in extreme circumstances. While no effects have been observed in cattle and dairy cows, body temperature could be elevated on rare occasions.
NEA12	• • •	• • • •	Typically provides a high level of animal performance. Can cause ryegrass staggers in sheep and lambs in extreme circumstances. Lamb liveweight gain can be reduced during periods of severe staggers. While ryegrass staggers has not been observed in cattle and dairy cows, it could occur on rare occasions.
RGT18	(• • • •)	• • • •	Typically provides a high level of animal performance. Lamb liveweight gain could be reduced in extreme circumstances. While no effects could be observed in cattle and dairy cows, body temperature could be elevated on rare occasions.
U2	• • • •	• • • •	High level of animal performance.
MaxP® (AR584)	• • • •	• • • •	High level of animal performance.
Standard endophyte	•	• •	Can cause ryegrass staggers in sheep and lambs, and significantly decrease lamb growth rates in summer and autumn, and significantly increase dags. In dairy cows, it has been shown to depress milksolids production through summer and autumn.
Without endophyte	• • • •	• • • •	High level of animal performance.

Notes on Tables

- • Likely to cause severe staggers in most years
- • • Can cause severe staggers occasionally
- • • Can cause severe staggers in some years
- • • • Very unlikely to cause staggers
- ( ) Provisional result: Further results needed to support the rating. Testing is ongoing.

NOTE: Figure 26 and 27 accurate as of November 18, 2025. Details relating to AR128 are not currently available in this format.

DLF Seeds

1800 619 910 | dlfseeds.com.au

MIXES & BLENDS

Available from your local rural retailer.

Profitable pasture mixes for every operation

Seed mixes and blends created to increase productivity and persistence by combining high performing species tailored to Australian conditions. The right mix in the right area can boost feed quality and biodiversity for better grazing and long term soil health.

For custom mix advice, reach out to your local rural retailer or your DLF Seeds Sales Agronomist whose details can be found on the back of this guide.

Our goal is to deliver the MAXImiser® mixes and blends to the recipes details featured. However, if we are unable to achieve this due to stock availability issues, the unavailable product will be replaced with a suitable alternative.



MAXIMISER® RANGE

Perennial	Varieties	Sowing rate	Rainfall/ Irrigation
Base AR37 Dairy	Base AR37 tetraploid and Three[60] AR37 diploid perennial ryegrass, Legacy and Tribute white clovers	25-30kg/ha	Minimum 750mm p.a
Beef & Dairy AR37	Reason AR37 diploid perennial ryegrass, Coolamon and Riverina subterranean clovers, Tribute and Nomad white clovers	25kg/ha	Minimum 650mm p.a
Sheep & Beef 600MM	Kingsgate SE and Somerset SE diploid perennial ryegrass, Coolamon and Riverina subterranean clovers, Tribute white clover and Savvy cocksfoot	20kg/ha	Minimum 600mm p.a
Dam Bank	Victorian SE diploid ryegrass, VNS annual ryegrass, Trikkala subterranean clover, VNS cocksfoot, Aurora lucerne and Haifa white clover	25kg/ha	Minimum 500mm p.a

Deep Rooted Perennial	Varieties	Sowing rate	Rainfall/ Irrigation
Winter Active Fescue	Temora tall fescue, Riverina and Coolamon subterranean clovers	15-20kg/ha	Minimum 400mm p.a
Low Rainfall Combination	Temora tall fescue, Uplands cocksfoot, Bindoon and Riverina subterranean clovers	18-20kg/ha	Minimum 400mm p.a
Hillside Perennial	Confederate phalaris, Uplands cocksfoot, Coolamon, Riverina and Bindoon subterranean clovers	12.5kg/ha	Minimum 400mm p.a

Treatment Note: All clovers are Superstrike® treated, all herbs/grasses are Ultrastrike® treated.



Short Term	Varieties	Sowing rate	Rainfall/ Irrigation
Mohaka Hybrid Plus AR37	Mohaka AR37 tetraploid hybrid ryegrass, Relish® red clover and Brace white clover	20-30kg/ha	Minimum 650mm p.a
Haymaker 700MM	Manta diploid Italian ryegrass, Thumpa tetraploid Italian ryegrass, Shaftal persian clover and Viper balansa clover	25-45kg/ha	Minimum 700mm p.a
Italian Stallion	Concord® II, Manta and Thumpa Italian ryegrasses	20-30kg/ha	Minimum 600mm p.a
Italian Stallion with Shaftal	Concord® II and Thumpa tetraploid Italian ryegrass, Manta diploid Italian ryegrass and, Shaftal persian clover	25-30kg/ha	Minimum 600mm p.a
Haymaker 400MM	Mach 1® and Abundant tetraploid annual ryegrass, Taipan balansa clover and Shaftal persian clover	15-30kg/ha	Minimum 400mm p.a
Triple Treat	Mona tetraploid and Concord® II diploid Italian ryegrass and Jivet tetraploid annual ryegrass	25-35kg/ha	Minimum 400mm p.a
Instant Graze	Mach 1® and Astro® tetraploid annual ryegrasses, Manta diploid Italian ryegrass, Esk oats, Brace white clover and Shaftal persian clover	15-30kg/ha	Minimum 450mm p.a

Temperate Forage	Varieties	Sowing rate	Rainfall/ Irrigation
Pea & Oat Silage	Morgan field pea and Quamby oats *(Grain protectant dressing applied)*	120-180kg/ha	Minimum 700mm p.a
Benatas & Oat Silage	Esk oats and Benatas vetch *(Grain protectant dressing applied)*	60-80kg/ha	Minimum 600mm p.a
Mainstar & Millet	Mainstar forage rape and Shirohie millet	10kg/ha	Minimum 600mm p.a
Ecotain & Mainstar	Ecotain® environmental plantain and Mainstar forage rape	8-10kg/ha	Minimum 550mm p.a
Hunter & Herbs	Hunter leafy turnip, Ecotain® environmental plantain, Choice perennial chicory and Hilltop and Tribute white clovers	8-10kg/ha	Minimum 700mm p.a

Treatment Note: All clovers are Superstrike® treated, all herbs/grasses are Ultrastrike® treated.



Regenerative	Varieties	Sowing rate	Rainfall/ Irrigation
Green Manure	Carrick oats, Southern Green forage ryecorn, Benatas vetch and Bare field peas *(Grain protectant dressing applied)*	125-150kg/ha	Minimum 550mm p.a
Summer Cover Crop	Speedan® forage sorghum, Shirohie millet, USA red clover, Arrowleaf clover, Goliath® forage rape and Rival turnip	20-25kg/ha	Minimum 600mm p.a
Cover Crop Bio	Mainstar forage rape, Choice perennial chicory, Southern Green forage ryecorn, Benatas vetch, USA red clover, Cooee oats and Graza radish *(Grain protectant dressing applied)*	50-75kg/ha	Minimum 500mm p.a

Equine	Varieties	Sowing rate	Rainfall/ Irrigation
Equinewise Equiturf	Samson AR1 perennial ryegrass, Kentucky bluegrass, Savvy cocksfoot and Coolamon subterranean clover	20-25kg/ha	Minimum 550mm p.a

Treatment Note: All clovers are Superstrike® treated, all herbs/grasses are Ultrastrike® treated.



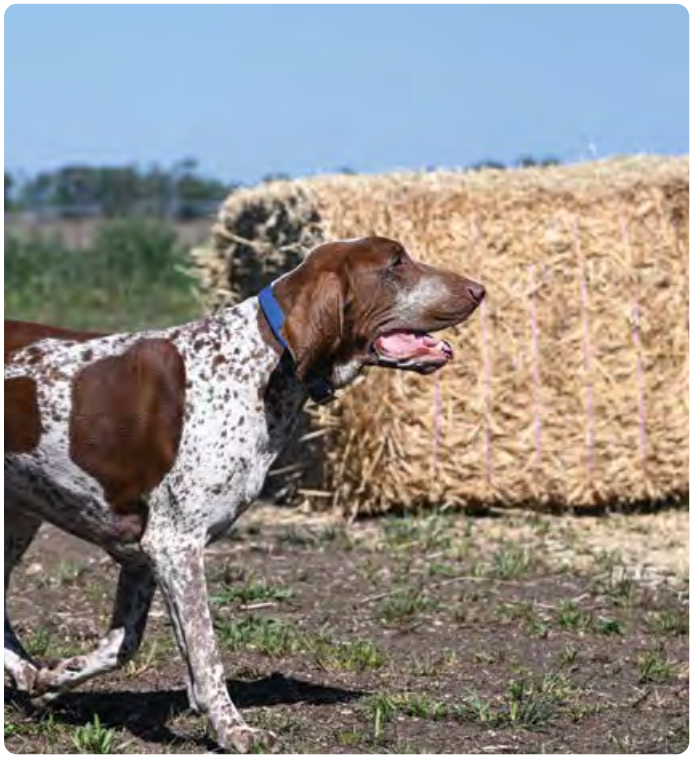
Need a custom mix?

For custom mix advice tailored to your operation and goals, reach out to your local rural retailer or your DLF Seeds Sales Agronomist whose details can be found on the back of this guide.

CUSTOM MIX NOTES



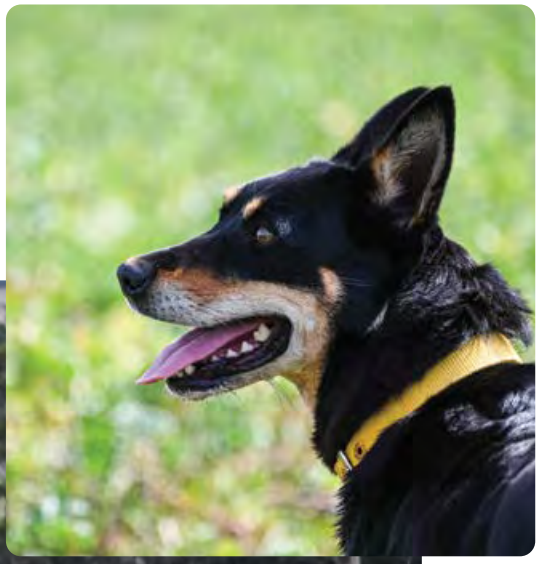




NOTES

NOTES

For orders and enquiries, get in touch with your local DLF Seeds Sales Agronomist whose details can be found on the back of this guide.





Disclaimer
Results will vary depending on all circumstances. PGG Wrightson Seeds Australia (Pty) limited trading as DLF Seeds and its officers, employees, contractors, agents, advisers and licensors of intellectual property provide no assurances, guarantees or warranties in relation to any advice, information, cultivar or product, other than those that must be provided by law. To the extent permitted by law, DLF Seeds excludes all liability, and has no liability to anyone, for any claims for loss, however arising, from or in relation to any advice, information, cultivar or product except to the extent that the loss has been contributed to by DLF Seeds.

DLF Seeds
13 Felstead Drive, Truganina, VIC 3029
Customer Service: 1800 619 910 | info@dlfseeds.com.au

PGG Wrightson Seeds (Australia) Pty Ltd is trading as DLF Seeds.
PGG Wrightson Seeds (Australia) Pty Ltd - ABN 83 004 227 927.

Seed Treatment
Products contained in seed treatments used by DLF Seeds are subject to change without notice. Please refer to the bag information label at time of purchase for details of current inclusions in DLF Seeds seed treatment.

Intellectual Property
AR37, AR1, Endo5 and MaxP are used under licence from Grasslanz Technology Limited. Endo, the AR and MaxP logos are registered trademarks of Grasslanz Technology Limited. Goliath is a registered trademark of Forage Innovations Limited. Concord, Feast, Stamina, Regal, Raphno, Prillcote, Superstrike, Ultrastrike, Ecotain, Nourish, Mach 1, Relish, Speedan, Pronto, BMR Fuel, certainty through science, MAXImiser, the Cleancrop and the Corson Maize logo are registered trademarks of PGG Wrightson Seeds Limited in Australia. Poncho Plus is a registered trademark of BASF. Gaucho is a registered trademark of the Bayer Group.

Joint venture
Edison and Franklin were developed by the Annual Legume Breeding Australia (ALBA). This is a joint venture between The University of Western Australia and DLF Seeds with prior contributions of Primary Industries and Regional Development (Western Australia).

CONTACTS

National Sales & Marketing Manager

Brad Byrnes
bbyrnes@dlfseeds.com.au

Southern Region Sales Manager

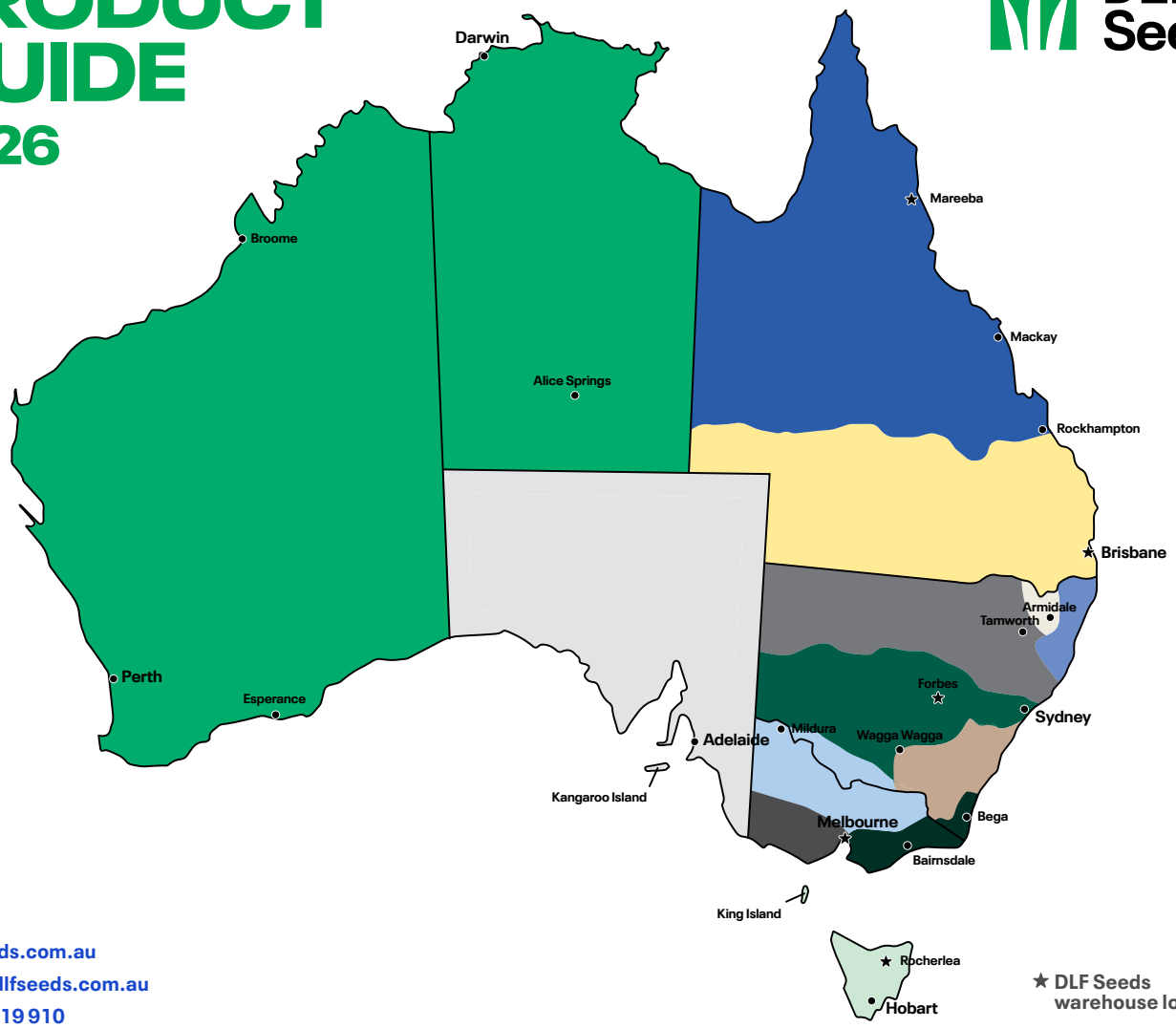
Heather Cosgriff
hcosgriff@dlfseeds.com.au

Northern Region Sales Manager

Brent Scott
brentscott@dlfseeds.com.au

PRODUCT GUIDE 2026

DLF Seeds



w: dlfseeds.com.au
e: info@dlfseeds.com.au
p: 1800 619 910

Northern Regional Sales Team

Nathan Tognela
Western Australia &
Northern Territory
0419 312 156
ntognela@dlfseeds.com.au

Aaron Kemp
North West Slopes &
New England NSW
0427 496 032
akemp@dlfseeds.com.au

Matt Jensen
Northern Rivers &
Mid North Coast NSW
0423 846 156
mjensen@dlfseeds.com.au

Sales Agronomist
South East NSW
1800 619 910
info@dlfseeds.com.au

Peter Tame
Southern QLD
0428 405 181
ptame@dlfseeds.com.au

Gerry Dogao
Central & Northern QLD
0407 113 719
gdogao@dlfseeds.com.au

Sam Jarrett
Central & South West NSW
0456 457 451
sjarrett@dlfseeds.com.au

Paul Sippel
North West Plains &
Hunter Valley NSW
0429 153 779
psippel@dlfseeds.com.au

Southern Regional Sales Team

Barry Dow
Northern VIC
0400 895 650
bdow@dlfseeds.com.au

Barry Varcoe
South Australia
0425 700 442
bvarcoe@dlfseeds.com.au

Jake Frecklington
Gippsland VIC
0427 150 278
jfrecklington@dlfseeds.com.au

Caitlyn Badcock
Tasmania & King Island
0477 717 540
cbadcock@dlfseeds.com.au

Michael Grant
Western VIC
0417 059 485
mgrant@dlfseeds.com.au

Simon Hunt
South Central VIC
0428 457 044
shunt@dlfseeds.com.au

Sales Agronomist
South West VIC
1800 619 910
info@dlfseeds.com.au