

Middini CM142

DIPLOID PERENNIAL RYEGRASS
: *Lolium perenne*



Quick Seed Facts



Lifespan

- ⊕ Perennial. Long-term pasture in environments suitable for perennial ryegrass

Ploidy

- ⊕ Diploid

Heading date

- ⊕ Early (+1 days)

Recommended sowing rate

- ⊕ 20-25kg/ha

Suitability

- ⊕ Grazing
- ⊕ Hay
- ⊕ Silage

Seed treatment

- ⊕ XLR8® (insecticide) recommended, also available as untreated seed

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Middini CM142 perennial ryegrass is an early-maturing diploid ryegrass featuring the CM142 novel endophyte. Bred for strong persistence in sheep, beef and dairy environments in regions where the season finishes early. Improved winter and early spring growth provides feed when it is needed, and then leads into an excellent hay production period.

FEATURES & BENEFITS

- ⊕ **Early-maturing type suited to early-finishing rainfall zones**
Excellent winter and spring growth leading to greater liveweight production gains in cooler months
- ⊕ **High tiller density and plant persistency in drier environments**
Improved grazing tolerance and recovery, leading to a more persistent pasture
- ⊕ **CM142 Endophyte**
For improved insect protection and reduced animal health risks over standard endophyte options

STRENGTHS

- ⊕ Early-maturing option
- ⊕ Grazing tolerance and persistency
- ⊕ High tiller density
- ⊕ CM142 novel endophyte

LIMITATIONS

- ▶ Not recommended for horses

WHERE IT GROWS

Rainfall: Middini CM142 perennial ryegrass is well suited to medium to high rainfall zones.

Soils: Suited to a wide range of soil types but prefers a well-drained soil structure.

Temperature: Good tolerance to cooler temperatures in temperate zone but not suited to climates with very high summer temperatures (e.g. QLD).

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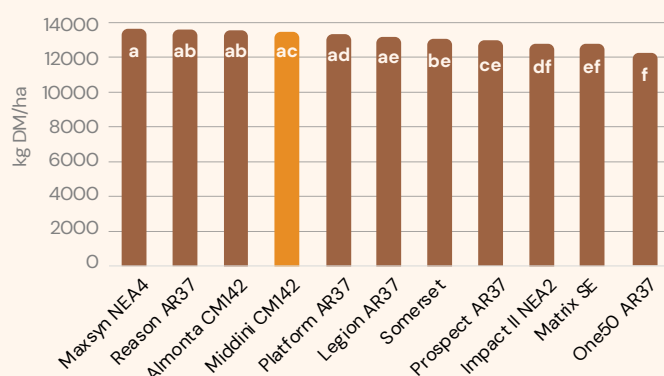


Plant with confidence

TRIAL DATA

2021 Diploid Perennial Ryegrass Trial – Warragul VIC

The 2021 trial at Warragul demonstrates that Middini CM142 not only offers strong persistence but also delivers excellent production.



Sig. = 0.000 LSD (5%) = 539 %CV = 2.9

Mean annual yield over 3 years

ESTABLISHMENT

Performance optimisation or limitations for your soil type can be discussed with your local agronomist.

Sowing time: Sow when soil temperatures are at least 10–12°C, ideally in early to mid-autumn or early spring. Pastures may be slow to establish if soil temperatures drop below 8°C. Consult your local agronomist or Territory Manager for your ideal sowing time.

Sowing depth: 10–15mm

Seed treatment: XLR8® treatment is recommended for targeted insect protection and increased vigour at establishment.

COMPANION SPECIES

- ⊕ Pasture grasses
- ⊕ Pasture legumes
- ⊕ Forage herbs & brassica

MANAGEMENT

Maintenance fertiliser: Middini CM142 perennial ryegrass is very responsive to fertiliser applications. Good nutrition is required to maximise production through optimising yield and forage quality. Replacement fertiliser for nutrient removed should be calculated on liveweight produced or hay/silage removed. Consult your local agronomist for more information.

Grazing/cutting: Responds to a wide range of grazing methods and may tolerate set stocking better than other commercial ryegrass options. Middini CM142 can be cut for hay and silage once established but we recommend not cutting in the first 12 months of establishment. Stem control in spring needs to be undertaken earlier than with other varieties.

Major pests: A valuable benefit of Middini CM142 perennial ryegrass is that the CM142 novel endophyte provides protection against several insects that affect ryegrass, including Argentine stem weevil, African black beetle, root aphid and porina caterpillar.

Other major pests that ryegrasses are susceptible to include red and black-headed cockchafer, slugs, black field cricket and corbies.

Major diseases: Middini CM142 perennial ryegrass has been selected for improved tolerance to crown rust and stem rust, however, under adverse growing conditions and extreme pressure rust prevention measures may be required. Consult your local agronomist for recommendations.

Herbicide susceptibility: Consult your local agronomist for herbicide options. Always check label before herbicide use. Best sown into weed free paddocks.

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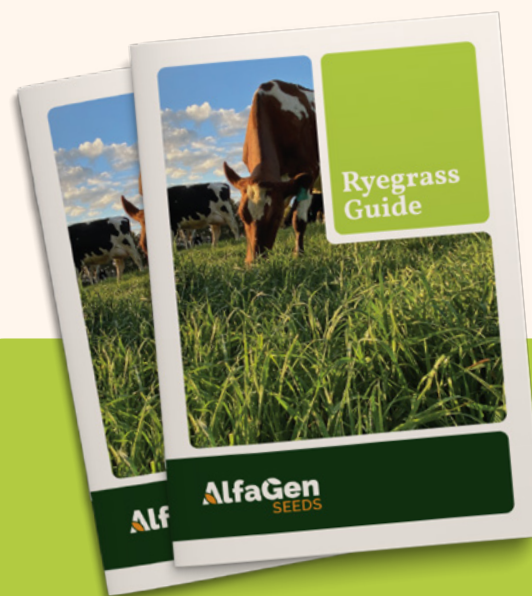
ANIMAL PRODUCTION

Feed value: Middini CM142 perennial ryegrass has a good balance of digestibility, protein and energy for animal performance. It is well suited to farmers focused on animal performance, total feed production and pasture persistence.

Palatability: Very good palatability, suited to high-performance grazing operations.

Livestock safety & performance: CM142 endophyte has the highest (4-Star) safety rating from the Plant Breeding and Research Association¹. CM142 is compatible with a high level of livestock performance, it is very unlikely to cause ryegrass staggers or heat stress and does not produce Lolitrem-B or ergovaline toxins. Comprehensive animal safety testing of Middini CM142 with sheep, found no significant ryegrass staggers or heat stress occurred, equivalent to the nil endophyte ryegrass².

- 1 2024 PBRA provisional for sheep and lambs (++++), full for cattle and dairy cows ++++.
- 2 Disclaimer: As with all endophytes, under poor grazing management of stressed plants, especially during summer and autumn, ryegrass staggers could potentially occur. Not recommended for horses.



Ryegrass Guide

For a detailed look at all our ryegrass products, download the AlfaGen Seeds Ryegrass Guide today.

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Seed Guide

From ryegrass to lucerne and everything in between, it all starts with a seed guide.

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