

SOWsmart® Perennial HR

Perennial ryegrass and white clover blend

Blend breakdown



- ⊕ 52% **Coorong CM142** tetraploid perennial ryegrass
- ⊕ 36% **Almonta CM142** diploid perennial ryegrass
- ⊕ 6% **Casper** white clover Goldstrike®
- ⊕ 6% **Riesling** white clover Goldstrike®

Quick Seed Facts



Lifespan

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

Time to first grazing

- ⊕ 6-8 weeks

Minimum rainfall

- ⊕ 650mm annual rainfall

Sowing rate

- ⊕ 25-30kg/ha

Suitability

- ⊕ Suitable for grazing, hay and silage production in high rainfall and irrigated regions, particularly beef and dairy operations.

SOWsmart® Perennial HR is a premium blend of the latest perennial ryegrasses and white clover. The late-maturing ryegrasses with CM142 endophyte, along with quick-establishing white clovers, provide the perfect package of quality performance, dry matter production and insect tolerance, especially suited to high-performing dairy and beef operations.

FEATURES & BENEFITS

- ⊕ **Contains two high-quality, late-maturing options**
Maintains a vegetative state for a longer period allowing for better pasture utilisation to provide high-quality late-season feed
- ⊕ **Excellent dry matter production**
Resulting in good pasture growth throughout winter, spring and into summer for feed when you need it most
- ⊕ **CM142 endophyte**
For improved insect protection and reduced animal health risks over standard endophyte options
- ⊕ **A convenient pre-blended mix of ryegrass and clover**
Delivers improved feed quality, digestibility, and grazing performance

STRENGTHS

- ⊕ Strong tiller production and ground cover
- ⊕ Improved grazing tolerance and persistence
- ⊕ Low aftermath heading
- ⊕ CM142 novel endophyte

LIMITATIONS

- ▶ Not recommended for horses

WHERE IT GROWS

Rainfall: Well suited to higher rainfall zones of 650mm annual rainfall or greater, or irrigated pasture systems.

Soils: The benefits of SOWsmart® Perennial HR will be maximised in high fertility soils, with good drainage.

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

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SOWsmart® Perennial HR

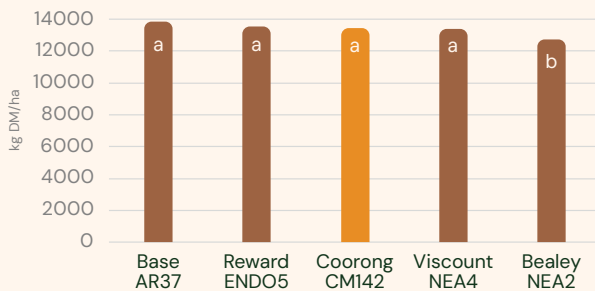
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Plant with
confidence

2021 Tetraploid Perennial Ryegrass Trial – Warragul, VIC

The trial results show comparative dry matter production to the market leading competitor varieties, providing you with an alternative that you can rely on

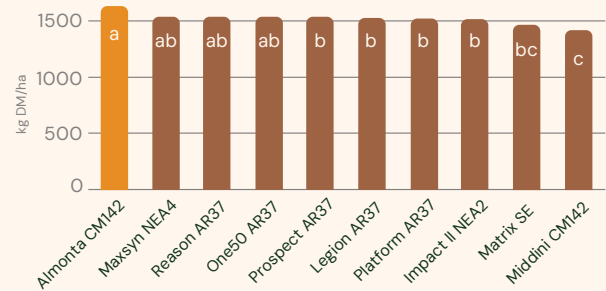


Sig= 0.001 LSD(5%) = 524 %CV = 2.7

Mean annual yield over 3 years

2021 Diploid Perennial Ryegrass Trial – Warragul, VIC

The trial at Warragul shows the excellent winter performance of Almonta CM142 compared to other leading ryegrass cultivars



Sig= 0.000 LSD(5%) = 101 %CV = 4.6

Mean winter 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.

Inoculation: White clover seed in blend comes pre-inoculated for ease and convenience.

COMPANION SPECIES

- ⊕ Forage cereals
- ⊕ Winter legumes
- ⊕ Pasture grasses
- ⊕ Clover & pasture legumes
- ⊕ Lucerne
- ⊕ Forage herbs & brassica
- ⊕ Tropical grasses

MANAGEMENT

Maintenance fertiliser: SOWsmart® Perennial HR blend 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: SOWsmart® Perennial HR blend responds to a wide range of grazing methods, although rotational grazing provides the best productivity and performance. SOWsmart® Perennial HR can be cut for hay and silage once established but we recommend not cutting in the first 12 months of establishment. As SOWsmart® Perennial HR contains Coorong CM142 perennial ryegrass and Almonta CM142 perennial ryegrass, with late heading dates, it offers more flexibility in spring cutting times without affecting feed quality.

Ability to spread: Can regenerate from seed under some circumstances but does not spread widely.

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MANAGEMENT CONTINUED...

Major pests: A valuable benefit of SOWsmart® Perennial HR blend is that the novel endophyte CM142 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. Slugs can cause significant damage and crop failure particularly in direct drilled germinating crops.

Major diseases: Coorong CM142 perennial ryegrass and Almonta CM142 perennial ryegrass have 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.

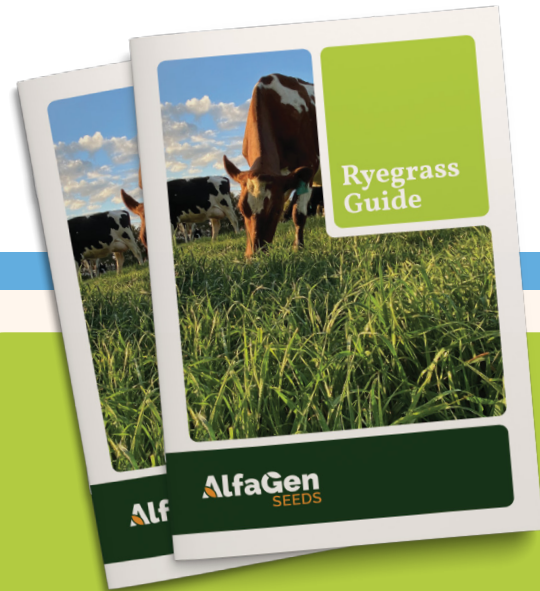
ANIMAL PRODUCTION

Feed value: The components of SOWsmart® Perennial HR have been selected for high levels of digestibility, protein and energy, making it the ideal grass and clover blend for farmers focused on animal performance and total production.

Palatability: Excellent 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 Coorong CM142 with sheep, found zero 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

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Lucerne Advisor

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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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