

ENERGIZER

TETRAPLOID PERENNIAL RYEGRASS



Energizer CM142 is a late-heading tetraploid perennial ryegrass featuring the groundbreaking new novel endophyte CM142, it provides an industry leading combination of animal safety and insect protection for maximised persistence and animal performance. It's designed for high-performance farming systems, offering high tiller density and excellent grazing tolerance without sacrificing palatability or productivity. It has a late heading date for enhanced stock performance.



Benefits

- Highest Animal Safety Rating (++++): One of the safest endophyte choices available, with extremely low risk of staggers. Does not cause heat stress.
- Late-heading perennial ryegrass for maintaining feed quality later into the season
- Tetraploid; provides a pasture option more readily accepted by stock. Helps to improve feed intake and stock performance leading to improved liveweight gains
- High tiller density
- Cool-season growth
- Late heading for carrying pasture quality longer into spring

Agronomic traits

- **Ploidy:** Tetraploid
- **Heading date:** Late (+20 days)
- **Persistence:** 5+ years*
- **Endophyte:** CM142

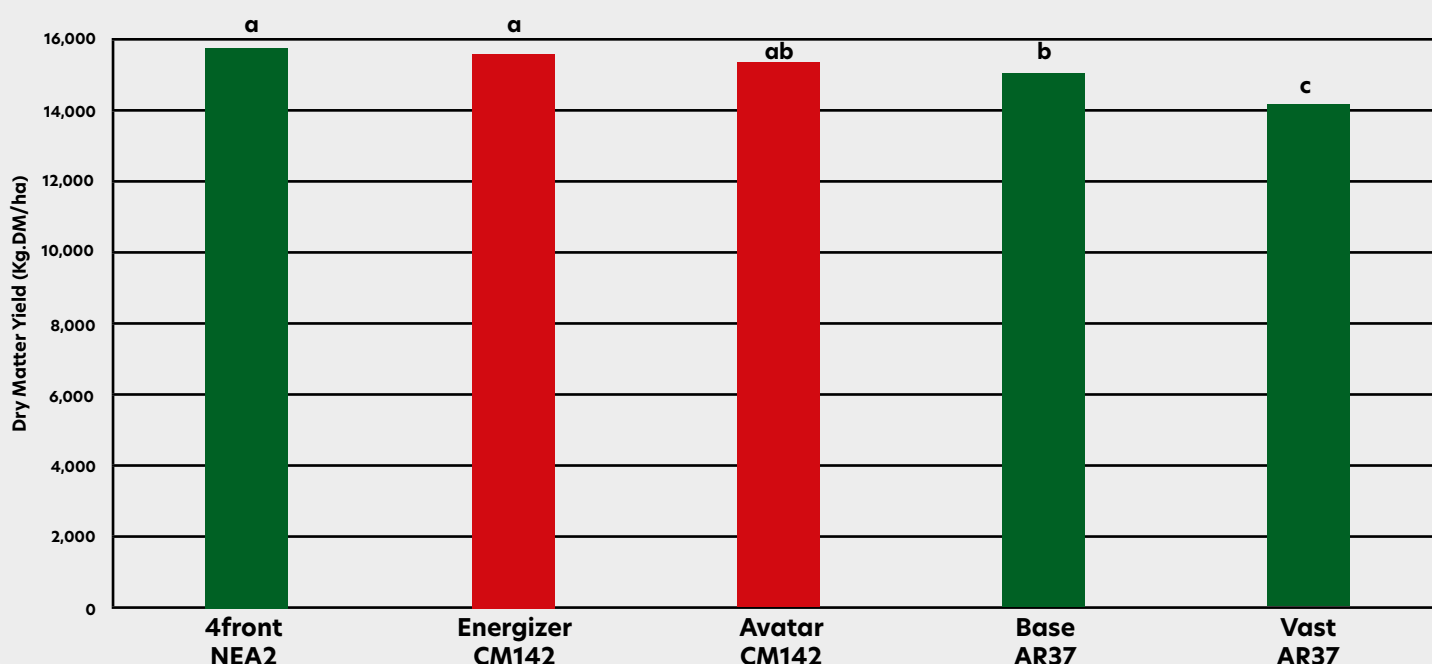
*Subject to climate, insect pest pressure and management

Sowing information

- **Sowing rate:** 20-25kg/Ha
- **Sowing depth:** 1-2cm
- **Sowing season:** Autumn and spring

**Mean Annual Dry Matter Yield of 4 trials x 3 completed years,
Cropmark Seeds Ltd Lolium Perenne Yield Trials, Burnham and Matamata NZ 2021-2025 CV% 2.34**

Cropmark Seeds Ltd breeding lines removed from analysis. Letters denote statistical significance, LSD 5%



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Management

Maintenance fertiliser:

Energizer 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:

Energizer responds to a wide range of grazing methods. Energizer perennial ryegrass can be cut for hay and silage once established. As Energizer has a late heading date, it offers more flexibility in spring cutting times without affecting feed quality.

Major pests:

A valuable benefit of Energizer is that the novel endophyte provides protection against several insects that affect ryegrass, including Argentine stem weevil, black beetle, root aphid and porina caterpillar.

Major diseases:

Energizer has been selected for improved tolerance to crown rust and stem rust. 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:

Energizer perennial ryegrass has been bred for high levels of digestibility, protein and energy, making it the ideal grass for farmers focused on animal performance and total production.

Palatability:

Excellent palatability, suited to highperformance grazing operations

Livestock safety & performance:

CM142 endophyte has the highest animal 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.²

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.