

L91[®]

LUCERNE
: *Medicago sativa*



Quick Seed Facts



Dormancy

- ⊕ Highly winter active 9

Sowing rate

- ⊕ Dryland:
4–10 kg/ha
- ⊕ High rainfall/irrigation:
18–25 kg/ha

Suitability

- ⊕ Grazing
- ⊕ Hay
- ⊕ Silage

Grazing tolerance

Low ———— ✕ ———— High

Seed treatment

- ⊕ Goldstrike XLR8[®]

L91[®] lucerne is a top choice among highly winter active varieties in the Australian market, ideal for forage production in short cropping rotations. With a good pest and disease resistance package and superior yields compared to Sequel, L91[®] offers a more profitable solution for farmers.

FEATURES & BENEFITS

- ⊕ **Economical choice**
Offers great value, delivering strong quality and yield at an affordable price point
- ⊕ **Rapid establishment in cooler months**
Increased planting window
- ⊕ **Highly winter active**
Maximising year-round production

STRENGTHS

- ⊕ Strong forage yield and quality
- ⊕ Good pest and disease rating
- ⊕ Year-round production
- ⊕ Economical option

LIMITATIONS

- Lower production and persistence when compared to L97

WHERE IT GROWS

Rainfall: Dryland typically requires 500mm to 1200mm annually (subtropics) and 250mm to 800mm annually (southern and western Australia). Irrigation is preferred.

Soils: L91[®] lucerne requires deep, well drained soils (sands to moderately heavy clays) with a slightly acid to alkaline pH. It is intolerant of high levels of exchangeable aluminium and periods of waterlogging.

Temperature: Optimum temperatures for dry matter production range from 15 to 25°C in the day and 10 to 20°C during the night.

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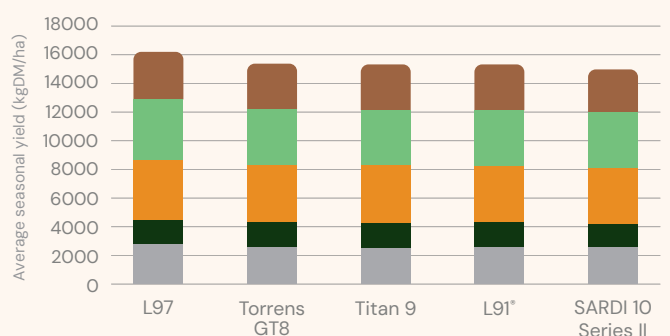


Plant with
confidence

DATA

L91[®] average total seasonal forage yield.
Multi year, multi site 2016–2026.

The trial showed that L91[®] delivers excellent total seasonal forage production, performing competitively with the leading highly winter active commercial varieties evaluated across southern and eastern Australia. With forage yields comparable to premium benchmark varieties, L91[®] provides growers with an economical option that combines outstanding productivity, broad adaptation and excellent value for money.



Seasonal LSD (P = 0.05; kg DM/ha): Autumn = 871.7, Winter = 824.9, Early spring = 899.6, Late spring = 710.1, Summer = 677.4

Results are based on a Multi-Environment Trial (MET) analysis of forage yield trials conducted across southern and eastern Australia from 2016–2026. Values represent the average total seasonal dry matter production from multiple locations, years and harvests, providing an estimate of long-term varietal performance across the target production region.

ESTABLISHMENT

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

Sowing time: Autumn, early winter and early spring. L91[®] is a highly winter-active variety, it is best to try and avoid mid-winter sowing period when temperatures fall, or frost is likely.

Sowing depth: 5mm–15mm, into a prepared soil bed. Good seed to soil contact is required.

Inoculation: Goldstrike[®] treated seed comes inoculated with the correct rhizobia required to infect the root system for optimum nitrogen fixation by the plant.

COMPANION SPECIES

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

MANAGEMENT

Maintenance fertiliser: Maintenance fertiliser needs to be applied regularly in irrigated lucerne where large quantities of nutrient are removed in hay. Based on a soil test, nitrogen, potassium, phosphorus, calcium and sulphur levels need to be maintained for optimum dry matter production. Performance optimisation or limitations for your soil type can be discussed with your local agronomist.

Grazing/cutting: Cutting for hay is best done at 10% flower or when the basal shoots are 3–5cm in length. Typically, an irrigated stand of L91[®] has a cutting rotation of 25–28 days during peak hay production periods. Rotational grazing for long term persistence is recommended, whether grown as a pure stand or in mixed swards. Set stocking or continuous grazing into the crown of the plant is detrimental to lifespan of the plant. Performance optimisation or limitations for your enterprise can be discussed with your local agronomist.

Ability to spread: Low. Lucerne is usually cut or grazed before seed matures. If lucerne seed is dropped or spread by livestock, it rarely establishes effectively.

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MANAGEMENT CONTINUED ...

Pest and disease ratings:

Spotted alfalfa aphid



Blue green aphid



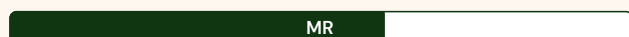
Pea aphid



Phytophthora root rot



Anthraxnose



Bacterial wilt



Fusarium wilt



Stem nematode



Root knot nematode



Pest & disease rating scale:

High resistance	(HR)	=	> 50%
Resistance	(R)	=	31-50%
Moderate resistance	(MR)	=	15-30%
Low resistance	(LR)	=	7-14%
Susceptible	(S)	=	0-6%

Herbicide susceptibility: Herbicides for post emergence and pre-emergence of broadleaf and grass control are available. Consult your local agronomist for herbicide options. Always check label before herbicide use. Best sown into weed-free paddocks.

ANIMAL PRODUCTION

Feeding value: L91[®] lucerne is highly digestible, a reliable source of crude protein and has high levels of metabolisable energy. It is well suited to farmers focused on animal performance, total feed production and pasture persistence.

Palatability: Very palatable.

Livestock disorders/toxicity: Bloat, nitrate poisoning and red gut. To minimise risks of cattle bloat, nitrate poisoning and red gut, do not graze immature/lush lucerne, especially with hungry stock.



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SEEDS

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