

GTL60®

LUCERNE
: *Medicago sativa*



Quick Seed Facts



Dormancy

- ⊕ Winter active 6

Sowing rate

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

Suitability

- ⊕ Grazing
- ⊕ Hay
- ⊕ Silage

Grazing tolerance

Low ————— ★ High

Seed treatment

- ⊕ Goldstrike XLR8®

GTL60® lucerne sets the standard for grazing tolerant varieties. Its outstanding tolerance allows for more frequent grazing rotations while maintaining excellent persistence. GTL60® is a high-yielding, high-quality, winter active lucerne, ideal for boosting productivity.

FEATURES & BENEFITS

- ⊕ **Unparalleled for grazing tolerance – withstands and recovers from continuous heavy grazing**
Improved stand longevity ensures healthier pastures and supports sustainable grazing systems, allowing for extended productivity and reduced need for replanting
- ⊕ **A true-to-type grazing tolerant variety, bred specifically to handle Australian grazing systems**
Provides reliable performance and resilience in varied conditions, ensuring consistent pasture productivity under grazing
- ⊕ **High forage quality**
Shorter internodal trifoliate leaf spacing increases leaf production, resulting in more palatable forage. This encourages higher intake and improves livestock nutrition.
- ⊕ **Dual purpose**
Highly productive and suited to both grazing and fodder production, allowing management flexibility across a range of enterprises

STRENGTHS

- ⊕ Low, broad crown
- ⊕ Extremely persistent
- ⊕ High nutritional value and palatability
- ⊕ High pest and disease rating

LIMITATIONS

- ▶ Lower levels of winter production when compared to highly winter active varieties such as 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: GTL60® 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.

- ⊕ 08 8445 1111
- ⊕ info@alfagenseeds.com.au
- ⊕ alfagenseeds.com.au

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SEEDS

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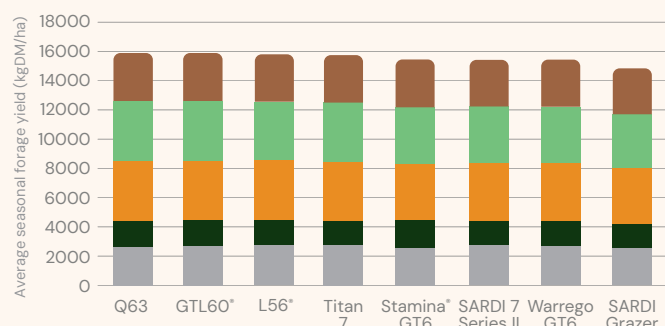


Plant with confidence

DATA

GTL60® average total seasonal forage yield.
Multi year, multi site 2016–2026.

Across the trial, GTL60® consistently ranked among the highest yielding winter active lucerne varieties evaluated. Its excellent seasonal forage production, particularly during the key spring growth period, together with stable performance across Northern, Southern and Eastern Australia, provides growers with a reliable, high-yielding variety suited to intensive grazing and hay production systems.

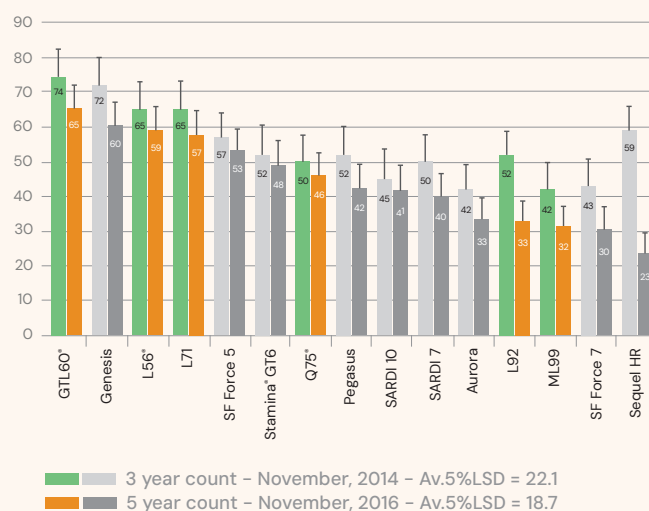


Seasonal LSD (P = 0.05; kg DM/ha): Autumn = 871.7, Winter = 824.9, Early spring = 899.6, Late spring = 710.1, Summer = 677.4

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.

Percentage of residual plants after three and five years of grazing

Lucerne stands are grazed to restrict flowering over a three year period to increase pressure on plants.



ESTABLISHMENT

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

Sowing time: Autumn and early spring. GTL60® is a winter active variety, it is best to try and avoid late autumn/ 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.

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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 GTL60® has a cutting rotation of 33–35 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.

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.

Pest and disease ratings:

Spotted alfalfa aphid

HR

Blue green aphid

HR

Pea aphid

NO DATA

Phytophthora root rot

HR

Anthracnose

HR

Bacterial wilt

HR

Fusarium wilt

NO DATA

Stem nematode

R

Root knot nematode

NO DATA

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%

ANIMAL PRODUCTION

Feed value: GTL60® 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.

For more information on AlfaGen Seeds lucerne varieties, please refer to our Lucerne Advisor.

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