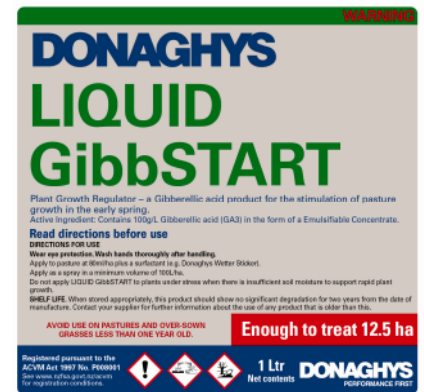




Donaghys Liquid GibbSTART – Delivering superior pasture growth



Liquid GibbSTART stimulates production of winter dormant grass-dominant pastures for high intensity grazing such as dairy pasture or sheep lambing paddocks. Liquid GibbSTART is particularly suited to enhancing pasture growth in late autumn or early spring when pasture growth is insufficient to meet feed demand.

Growth stimulation is usually seen within 7 days of application and ceases around 3-4 weeks after application. Do not graze within 2 weeks as pasture quality is affected by Gibberellin application. Grazing should recommence by 4 weeks after application to ensure the extra pasture growth is utilised and grass does not become rank.

Pastures including over sown grasses should be at least 1 year old prior to a Liquid GibbSTART application.

As with all Gibberellin applications, the use of Liquid GibbSTART can cause rapid pasture growth utilizing stored energy reserves of the plants. There may be a subsequent lag in growth. Such a lag becomes more likely if repeat applications are made without time for recovery of reserves. Quick repeat applications are likely to give diminishing returns. We recommend one-off strategic applications to address a feed deficit.

DO NOT apply more than six times in a calendar year.

For best results, apply when there is sufficient soil moisture and soil nutrient availability to support rapid plant growth. Soil temperature should be less than 12°C.

Liquid GibbSTART is compatible with Donaghys LessN and dissolved urea fertiliser. Liquid GibbSTART must be dissolved in spray solution before adding LessN. At low soil temperatures (especially less than 8°C), there may be limited nitrogen response.

Application Rate

Apply at 80ml/ha in total volume of water of 100 litres/ha

For best results Liquid GibbSTART should be applied with a non ionic surfactant such as Donaghys Wetter Sticker

Active Ingredient: Contains 100g/L Gibberellic acid (GA3) in the form of an emulsifiable concentrate.

Registered pursuant to the ACVM Act 1997 No.P8062.

HSNO Hazard Classification 3.1D, 8.2C, 8.3A, 6.9B, 9.1A

Harmful if swallowed. Irritating to eyes and skin.

Refer to product label for complete usage, safety and product information before use.

Donaghys GibbSTART and LessN - A winning combination!!

Research conducted by Donaghys has shown that the combination of Donaghys GibbSTART and the LessN System can significantly increase levels of pasture production.



The Gibberellin effect:

- Gibberellins act by promoting cell expansion. As this happens quickly, other aspects of the plant need time to catch up.
- It is common for pastures that receive Gibberellins to go a pale yellowed colour as the chlorophyll level is quickly diluted.
- The main reason for increased dry matter production is the increased stem production and elongation.
- The stretched pasture plants grow more upright with a lower amount of tillering and new leaf production, so there can be less filling in at the base of the pasture
- The growth stimulation of pasture also comes at the expense of root reserves of carbohydrates and so root development may suffer and less reserves be present for subsequent production.

Why does a combination of GibbSTART and LessN boost pasture production?

- The LessN System involves the combination of dissolved nitrogen fertiliser and LessN.
- The plant growth stimulation is a more balanced one that is often associated with a darkening of leaf colour from a stimulation of chlorophyll content rather than a dilution of it.
- Chloroplast activity is significantly stimulated by LessN. Chloroplasts are the site for photosynthesis and are also a major site for carbohydrate storage and release.
- By incorporating the LessN system with applications of GibbSTART, the energy factor and the nitrogen factor is addressed together. The pastures are set up nicely for faster recovery and greater productivity.

Trial Results:

