

PASTURE



Recommendation for use of TwinN for pasture.

Dairy Pasture

TwinN provides dairy farmers with an environmentally friendly alternative to the large amount of nitrogenous fertilizer needed to maintain productivity. Application of reduced levels of urea, in combination with TwinN, can save significantly on input costs.

Dairy producers around the world are facing pressures to reduce the carbon footprint of their production systems and reduction of urea applications by use of TwinN can significantly assist this goal as urea has a high carbon footprint. In addition, TwinN provides a solution to the need for dairy producers to reduce leaching of nitrates from nitrogen fertilisers into waterways and aquifers.

Fat lambs and beef pastures

A high quality pasture is required for fast growth of animals. TwinN applied to the pasture, either by irrigation or boom spray, will encourage growth of high quality pasture needed to turn your lambs off early and grow your beef faster.

PASTURE APPLICATION GUIDELINES

Apply the normal rates of P, K and other nutrients. If these nutrients are limiting then the pasture will be unable to respond to TwinN application.

A recommended starting point is to apply 50% of the normal rate of N fertiliser, plus TwinN, applied once or twice. Apply the N at the same stages of the crop cycle as usual. Many producers also test, in addition, a greater reduction down to 25% of normal N. Depending on soil fertility and crop needs most systems will produce long-term sustainable high yields at between 25 – 50% of normal N inputs. **Start at 50% and work downwards.**

For less intensive pasture systems use the same principles to assess whether you need to apply chemical nitrogen and the optimum frequency of TwinN and fertiliser application.

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Information for applying TwinN to pastures

Download the TwinN Crop Application Instructions and follow them carefully.

- > TwinN does not make P and K or other elements. These should be added according to your normal practice.
- > Application methods should deliver the TwinN microbes onto foliage that is moist for a minimum of 3-4 hrs, or into moist soil, to enable them to establish and multiply. Once established they are resilient to normal crop conditions.
- > Rehydrate TwinN strictly according to instructions.
- > **Apply TwinN strictly according to the Application Guidelines in the package. Failure to apply the product correctly will produce poor results.**

Avoid application under dry conditions.

If using chlorinated water you **must** de-chlorinate it. See TwinN Crop Application Instructions. Do not mix TwinN with non-compatible chemicals. For a list of compatible and non-compatible chemicals visit [Compatibility Table](#).

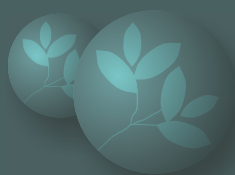
Foliar Application

Add the rehydrated TwinN to the mixing tank using at least 100 L water per ha. Apply by aerial, boom spray, or backpack. Use coarse nozzles. For row crops direct nozzles over the row (banding).

Irrigation

TwinN can be applied very easily and successfully through any irrigation system including centre pivot, drip, fertigation and any other. Application directly to the soil is fully effective.

Contact your TwinN Distributor for advice on how to maximize the convenience and efficacy of TwinN in your cropping system.



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