Steady N

Patent Pending 733403

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INCREASED PASTURE GROWTH AND REDUCES NITRATE LEACHING

The ingredients in Steady N stimulate microbial activity within the soil, which hold nitrogen in the soil for longer leading to greater nitrogen efficiency and therefore better yields and greater productivity.

Steady N is different from other slow release fertilisers because it contains humate. The high levels of carbon found in humate are critical in assisting soil microorganisms to process the additional nitrogen found in Steady N, making it a much more efficient nitrogen fertiliser.

A key attribute of Steady N is that it only contains 37% nitrogen, yet it has been proven consistently over four years of independent scientific research to grow more grass than urea (46% nitrogen), published in 2019 in Nature Research Journal.

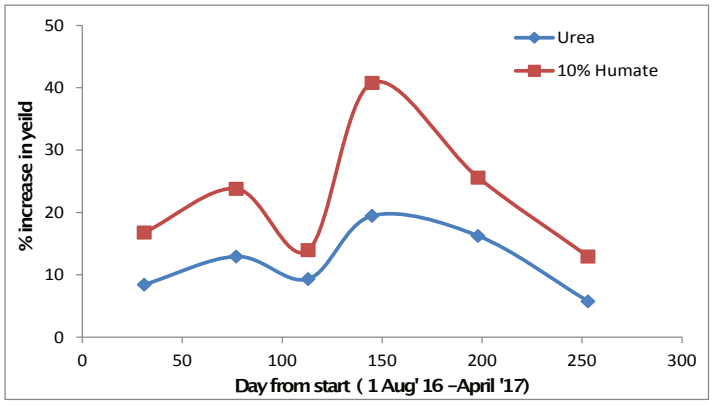
RESULTS OF FIVE YEAR STUDY

SOUTHERN HUMATES PROVEN TO INCREASE PASTURE GROWTH

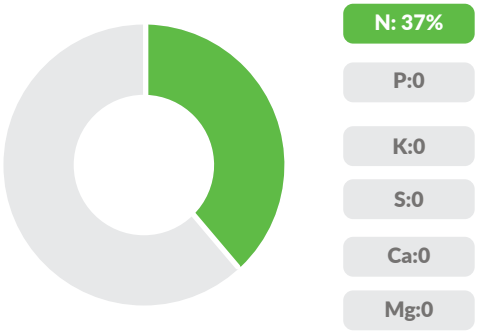
A comprehensive five year study sponsored by Southern Humates on the effects of humates on pasture productivity has provided promising results for farmers wanting to grow more pasture with lower nutrient inputs.

Trial Result

A field trial commenced in October 2014 near Mataura, Southland. Seasonal pasture production over the 2016-2017 growing season is illustrated below. The greatest pasture production was with Urea PLUS 10% Southern Humates with the average increase from unfertilised pasture 22.3%. Whereas Urea only increased production by 10% which is 12.3% less than when Urea applied with 10% Southern Humates.



Seasonal effect of fertilisers on production relative to unfertilised pasture.



Available in:

- 1 Tonne Bags
- Bulk

Nitrate Leaching Results

But considerable research has also indicated improved plant growth rates resulting from low levels of humate when added to nitrogen urea applications. The trial applied five different fertiliser combinations ranging from zero percent humates to 20% of urea weight at a rate of 50kg of urea per hectare.

The field trials were conducted in both Southland, Otago and Canterbury across a range of soil types.
The dry matter production of the pasture was measured regularly by cutting and drying pasture samples.

As expected, the use of straight urea increased production, but it was the humate addition which increased production further again for both the 10% and 20% additional levels.

While overall response rates to the humate mix varied throughout the year, the greatest gains were in spring, between 39-50% more pasture production and about 12% more pasture production in autumn months.

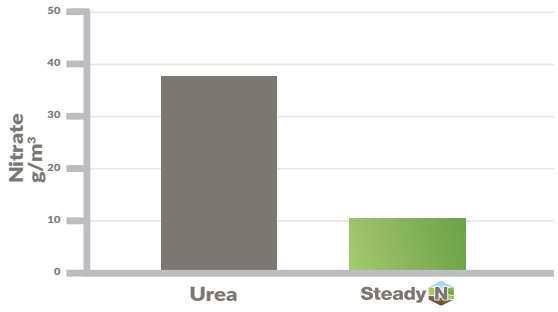
Humate addition also showed an improvement in fertiliser longevity, with application in late summer still continuing to generate growth response after seven months.

Consideration must be given to variability in response rates due to quality of humate used.
Southern Humates granules are proven to have a high humic acid concentration.
In short, not all humates are alike and clear proof of humate composition and consistency is essential to achieve an optimal outcome - these results apply wholly and solely to Southern Humate

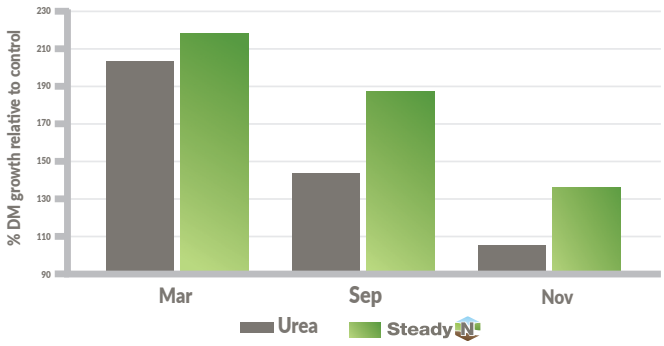
Reduce nitrate leaching on your farm with:

Steady N

Nitrate Levels



Steady N Growth



Independent scientific trials have shown that SteadyN reduces the amount of nitrate found leaching into ground water from Autumn-applied fertiliser.

The corresponding decreased nitrogen loss with Steady N resulted in considerably more pasture growth in Spring and early Summer.