



Foliar nitrogen is effective because plants can absorb these nutrients through the leaf stomata and epidermis quicker than through their root systems. Direct application to leaves means that nutrients are taken up and can be utilised more quickly than those that are applied to the soil.

Unlike soil-applied nitrogen, foliar applied nitrogen doesn't require rain/dew to dissolve it, enabling it to be transferred to the roots and then absorbed, instead it can be absorbed within hours of application and put to use by the plant.

Foliar applications are particularly beneficial and ensure a more consistent uptake of nutrients compared to the root system when:

- Evaporation is low
- The soil is too wet/dry (drought conditions)
- The crop is under high pressure due to stress factors (heat/drought).

Folia-N's formulation specifically reduces the production of ammonia that both causes the risk of scorch and creates losses of N to the environment thus reducing NUE.



Even Application

Allows very even application and precise timing of uptake during periods of high demand, especially when soils are dry.



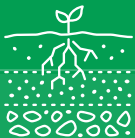
NUE

Formulated for high bioavailability of 95% (traditionally, nitrogen is only 10-30% bioavailable)



Rain fast in 30min

Rapid uptake and rain fast with in 30 minutes, extend the application opportunities.



Avoids pollution

Reducing nitrogen losses and no nitrate pollution of groundwater



Low scorch risk

Formulated to reduce the production of ammonia which increases the risk of scorch.



UK Manufactured and trialed

Manufactured in the UK and trialed on UK farms around the country.



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www.emeraldresearchltd.com

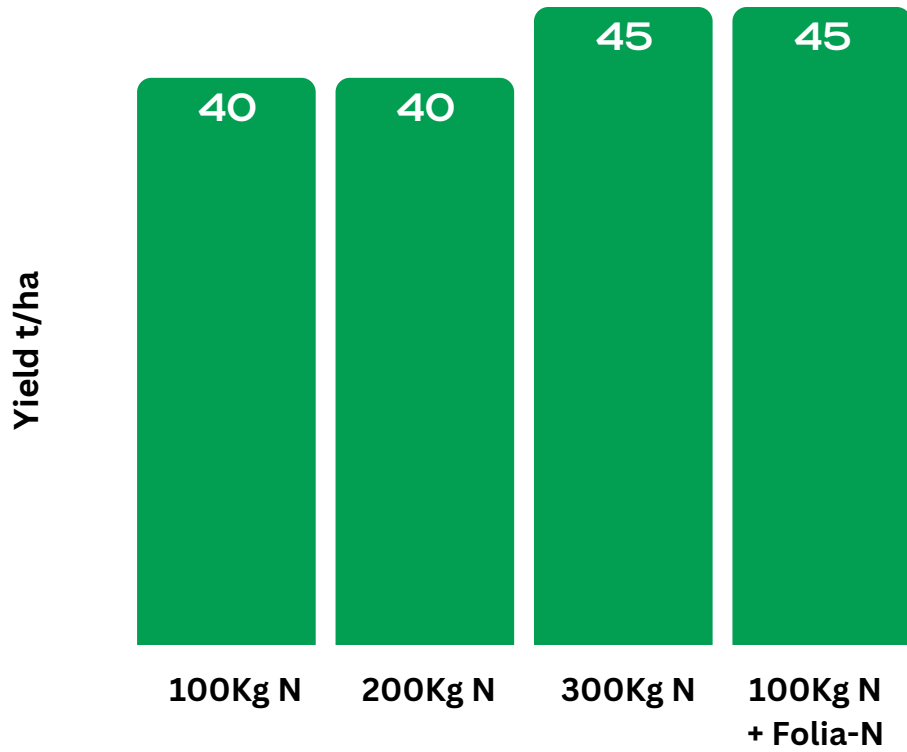


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Trial Results from the Transformative Reduced Input Potatoes

Dyson Research Potato Trial 2024



Reduce growing risk - Lower reliance on artificial inputs

Reduce nitrate leaching- feed the crop not the soil

Easy of use - Can be applied with at higher rates without scorching

Recommendation -10-50l/ha

Timings are dependent on crop, residual nitrogen and targets

To order call 01242 506206

