



The revolutionary foliar fertiliser range

2020 trials highlight efficacy for third year running



Fertiliser Services

New 2020 trial data demonstrates that using **PolyNPlus**, BFS's foliar fertiliser, significantly reduces the amount of nitrogen farmers need to apply while maintaining crop yields. This is the third season of positive independent test results on this revolutionary product. Using **PolyNPlus** will help reduce the industry's impact on the environment by cutting pollution. This anticipates a key element in the government's Net Zero Strategy and the Environmental Land Management Scheme which will be fully rolled out by late 2024.

Formulated with ureic polymers, micronutrients and organic uptake enhancers, **PolyNPlus** eliminates nitrate leaching as well as minimising ammonia and greenhouse gas emissions. This makes it virtually 100 per cent efficient - many mature plants, particularly cereals, use less energy by absorbing nutrients through their leaves rather than their roots. Also the solution is safe to apply direct to the leaf thereby minimising leaf damage.

NIAB trials

NIAB, one of Britain's oldest agricultural research centres, held a series of trials on Extase winter wheat in Cirencester. These showed that, when applied in a co-ordinated

programme with soil-applied nitrogen, using **PolyNPlus** resulted in comparable yields with significantly lower levels of nitrogen - even in the very dry spring of 2020.

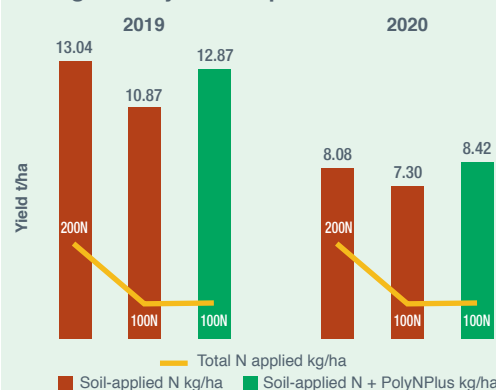
Application schedule

	Early March	Late March	Early April
No PolyNPlus	50	100	50
No PolyNPlus	50	25	25
PolyNPlus late March/early April	50	25 (70 litres)	25 (70 litres)

Soil-applied N kg/ha PolyNPlus kg/ha (and l/ha equivalent)

The trial rates are higher than recommended in the field – see usage guidelines overleaf.

Nitrogen and yield comparison



PolyNPlus in practice

In practice, provided 140 to 180kg of soil-applied nitrogen is used at the start of the growing season, foliar applications of **PolyNPlus** can replace the third application resulting in the same yield with significantly less nitrogen. The exact quantity of soil-applied nitrogen required will depend on local conditions including soil mineral nitrogen and organic matter.

PolyNPlus is safe to apply direct to the leaf. No phytotoxicity or scorch was noticed during trials.

PolyNPlus is particularly useful during dry spells when a crop's uptake of soil-applied nitrogen is low.

PolyNPlus eliminates leaching and minimises ammonia emissions - a significant breakthrough in the way farmers use fertilisers.

PolyNPlus contains no micro plastics.

PolyNPlus is supplied in reusable packaging in the form of 1,000 litre IBCs.

Recommended usage

■ Use adequate soil-applied fertiliser at the start of the growing season and before GS32. Once there is enough crop biomass/canopy, dilute 25 litres of **PolyNPlus** in water to make 150 to 200 litres and apply one dose at GS39 and one at GS59 to replace 40 to 60kg/ha of soil-applied nitrogen.

It is important to take into consideration local conditions such as soil mineral nitrogen and soil nitrogen supply as well as potential available nitrogen, soil structure, soil moisture and organic matter when using **PolyNPlus** as part of a nitrogen programme. Good spraying practices apply.

Saving time and money

Since **PolyNPlus** can be tank-mixed with crop protection products, it reduces the number of passes needed, saving time and application costs – especially important in these economically challenging times. BFS can tailor-make **PolyNPlus** to farmers' requirements for specific trace elements such as sulphur, manganese and magnesium. A popular mix is 30-0-0-18SO₃+MgO+Mn.

More to come

Further trials will be undertaken in 2021. We welcome feedback from farmers who are using **PolyNPlus**.

BFS Fertiliser Services

BFS has been pioneering new ideas in the crop nutrition industry since its foundation in 1948, continually developing new formulae to expand its wide range of fertilisers. Working alongside leading agronomists, BFS designs bespoke programmes for farmers and growers while its dedicated transport fleet delivers its products directly to customers' farms.

Please contact us to find out how to improve the efficiency of your nitrogen usage.



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