TECH SHEET

N-Telligent 4 Pasture & Crops

Smarter plant nutrition for pasture and crops.

N-Telligent is a range of foliar bio-stimulants and plant-applied nutrients designed to support productive pasture and crops as part of a smarter nutrient management programme.

Developed from Bell-Booth's work with plant-applied nutrients since the late 1990s, the N-Telligent range provides another way to support plant growth alongside existing fertiliser and nitrogen programmes.

By applying nutrients directly to the leaf, N-Telligent can be used strategically during active growth stages and alongside existing spray programmes.

A Smarter Approach To Nitrogen

With nitrogen applications on pastoral land capped at 190kg N/ha/year, farmers are increasingly looking for sustainable ways to maintain pasture yields and support milk production targets while managing nitrogen inputs effectively.

For many farming systems, the challenge isn't simply applying more nitrogen. It's making better use of the nitrogen available and applying it when conditions are right.

N-Telligent can be incorporated into an existing crop or pasture programme to help reduce reliance on synthetic nitrogen, improve utilisation and deliver the best results at times when another application may not be the best option.

Target Active Growth Phases

Apply N-Telligent 4 Pasture during active growth phases, allowing nitrogen applications to be reserved for other times in the growing season.

For pasture, apply N-Telligent when pasture covers are around 1,500kg DM/ha, allowing four days' regrowth after hard grazing before application.

Use It Alongside Your Existing Spray Programme

- Where selective herbicides are already being applied to pasture, N-Telligent can be incorporated into the spray programme, allowing farmers to manage weeds and provide foliar nutrition in a single application. This may also reduce the need for a separate nitrogen application.
- Fungicides like Topsin and X-spore are compatible with N-Telligent to allow two tasks to be undertaken at once, saving application costs.

Save Nitrogen For When Conditions Suit

During the maize and summer crop growing season, soil temperatures can exceed 16°C and conditions can become dry.

Where a lack of moisture reduces the effectiveness of synthetic nitrogen, N-Telligent provides another option within the wider nutrient programme.

Other Benefits

N-Telligent is designed to support:

- Enhanced root structure
- Improved chlorophyll production
- Improved palatability
- Microbial and worm activity



Scan here to view additional product information

If required, consult with your nutritional advisor or Bell-Booth Territory Manager on:

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18% More Dry Matter in 18 Days

Southland Pasture Trial

A Bell-Booth field trial in Southland measured pasture growth just 18 days after an application of N-Telligent 4 Pasture.

The trial looked at the use of N-Telligent for silage production, post-harvest grass growth and situations where pasture growth rates need stimulating.

Silage was harvested 18 days after the paddock was closed up, enabling the pasture to re-enter the rotation cycle sooner.

What the Trial Showed

The N-Telligent-treated pasture produced 18% more dry matter than the control, measured just 18 days after application.

Laboratory analysis of the herbage showed that the carbohydrate/protein ratio and elemental levels of the treated pasture remained intact.

Importantly, these results were achieved alongside good-quality soil fertiliser practices, as evidenced by fertile soil.

Application Guide

Crop	Formulation	Application Rate	Timing
Pasture	N-Telligent 4 Pasture	10L N-Telligent liquid + 5kg N-Telligent powder	During active growing stages in autumn, spring and early summer.
New grass	N-Telligent 4 Pasture	10L N-Telligent liquid + 5kg N-Telligent powder	When sufficient foliage exists to allow paddock back in to the rotation. Compatible with selective herbicides.
Chicory/Plantain	N-Telligent 4 Pasture	10L N-Telligent liquid + 5kg N-Telligent powder	Apply at 4–6 leaf stage. Compatible with insecticide sprays.
Maize	N-Telligent 4 Maize	10L N-Telligent liquid + 5kg N-Telligent powder	One application at the 6–9 leaf stage. Compatible with selective herbicides.
Brassicas/Kale /Fodderbeet	N-Telligent 4 Brassicas	7L N-Telligent liquid + 5kg N-Telligent powder	Apply at 4–6 leaf stage. Compatible with insecticide sprays.
Water rates	Aerial 60L/ha | Groundspray 100L/ha | CDAX 33L/ha		

Macro-nutrients

N.P.K. 10-5-6
Seaweed Extract
Humus Extract

Micro-nutrients

Boron 120ppm, Cobalt 2ppm, Copper 310ppm, Iodine 40ppm, Iron 640ppm, Manganese 310ppm, Molybdenum 3ppm, Selenium 320ppm, Zinc 310ppm

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