TECH SHEET

N-Telligent 4 Maize

Smarter nitrogen use without losing sight of yield.

N-Telligent 4 Maize is a foliar bio-stimulant designed to support crop and pasture growth as part of a smarter nitrogen management programme.

Developed from Bell-Booth field trial work, it combines N.P.K, micronutrients, seaweed, humates and plant growth stimulants to provide nutrients directly to the plant through the leaf.

Used alongside reduced synthetic nitrogen inputs, it provides another tool for farmers looking to manage nitrogen use while continuing to support productive crops and pastures.

A Smarter Approach To Nitrogen

For many farming systems, the challenge is securing high yields without exceeding the 190 kg per hectare per year nitrogen fertiliser cap.

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.

Maize Crops

Maize typically needs significant amounts of nitrogen inputs to support its rapid growth phase.

N-Telligent 4 Maize can be used as an alternative to a traditional 300 kg/ha urea application. Its balanced formulation is designed to support productive maize growth while helping reduce reliance on synthetic nitrogen inputs.

In some situations, this can also allow you to reserve synthetic nitrogen for pasture applications later in the season.

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.

Use It Alongside Your Existing Spray Programme

- Where crops or pastures are already being treated with a selective herbicide or insecticide, N-Telligent can be incorporated into the spray programme.
- This provides an opportunity to feed the plant at the same time, potentially reducing the need for an additional nitrogen application.

Other Benefits

N-Telligent is designed to support:

- Enhanced root structure
- Improved palatability
- Supports soil microbial activity



N-Telligent 4 Maize is a two-pack product.

Scan here to view additional product information

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

0800 80 90 91

info@bell-booth.co.nz | www.bell-booth.co.nz

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The Numbers

Costings	Urea	N-Telligent 4 Maize
Product Application	300kg/ha	10L N-Telligent 4 Maize liquid and 5kg N-Telligent 4 Maize powder
Cost/ha (excluding application) *Based on price October 2026	$369+ GST/ha*	**$117+ GST/ha**
Savings/ha		**$252**

Application Guide

Crop	Application rate	Timing	Water rates
Pasture	10L N-Telligent liquid + 5kg N-Telligent powder	During active growing stages in autumn, spring and early summer.	
New grass	10L N-Telligent liquid + 5kg N-Telligent powder	When sufficient foliage exists. Compatible with selective herbicides.	Aerial - 60L/ha Groundspray 100L/ha CDAX 33L/ha
Maize	10L N-Telligent liquid + 5kg N-Telligent powder	One application at 6–9 leaf stage.	
Brassicas	10L N-Telligent liquid + 5kg N-Telligent powder	Apply at 4–6 leaf stage. Compatible with insecticides.	

Case Study

The original N-Telligent trial followed Brad Payne's Waikato maize crop through particularly challenging growing conditions.

On 16 and 17 March, the maize was bulk harvested across 80 hectares. Despite drought conditions, the crop achieved a yield of 24–26.6 tonnes/ha during one of the hottest and driest periods referenced in the trial.

"We had saved over $64 per hectare by applying a strategic application of liquid N-Telligent rather than ground-spreading urea and, most importantly, under drought conditions, managed to produce a very respectable yield."

Why This Matters

During the maize growing season, soil temperatures can exceed 16°C. Dry conditions and a lack of moisture can reduce the effectiveness of synthetic nitrogen.

The original trial demonstrates the thinking behind N-Telligent: use a strategic foliar application as part of the wider nutrient programme, reduce reliance on urea application, and reserve synthetic nitrogen for where and when it can be used more effectively.

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