

The background of the entire page is a close-up photograph of green grain stalks, likely wheat or barley, with a soft, painterly green wash overlaid on the right side. The main title is centered in three stacked blue rectangular boxes with white text.

# GET A HOLD OF GRAIN MANAGEMENT



**#InnovationImpact**



## 3 ALO t6p is a unique foliar treatment designed to optimise seed and grain filling in cereal crops, supporting maximum yield potential.

It contains a precursor molecule of Trehalose-6-Phosphate (T6P), a naturally occurring sugar signal that regulates key metabolic and developmental processes within plants. By influencing carbohydrate allocation—particularly sucrose movement into grain—3 ALO t6p enhances grain formation and supports stronger performance under environmental stress.

(Not currently available for malting barley.)



E marked in accordance with the EU Fertilising Products Regulation (EU) 2019/1009, confirming compliance with EU-wide standards for safety, quality, and efficacy.

# What does it do?

## 3 ALO t6p improves crop resilience and yield by:

- Increasing grain size and weight through enhanced carbohydrate relocation
- Improving grain filling efficiency for stronger yield outcomes
- Supporting plant recovery and performance under stress, especially drought
- Enhancing overall grain management in spring and winter cereals
- Improve nutrient content and feed value of grain
- Treated seed crops will improve establishment in following crop

## Application

CROP	RATE	APPLICATION TIMING RANGE
Cereals*	1.0l/ha	GS 30-69 **

\* Excluding malting barley varieties

\*\* Suggested timings, for label information, speak to your BASIS-qualified advisor

# How does it do it?

The T6P precursor in 3 ALO t6p elevates the plant's internal T6P levels, a key regulator of carbon fixation and carbohydrate balance. During grain development, this creates a 'pulse' effect that draws sucrose into developing kernels, where it is converted into starch. This process directly improves grain filling and increases final grain size and yield.

## Features



- Foliar-applied T6P precursor technology to enhance carbohydrate flow into developing grain
- Designed for spring and winter cereals (excluding malting barley)
- Tank-mixable for easy integration into existing spray programmes

## Benefits



- Increases grain size and weight through improved sucrose movement into grain
- Enhances grain filling efficiency, supporting higher yield outcomes
- Strengthens crop resilience, improving performance and recovery under drought
- Optimises grain development, improving consistency across the crop
- Demonstrated yield uplift, including up to 20% increases in proof-of-concept studies

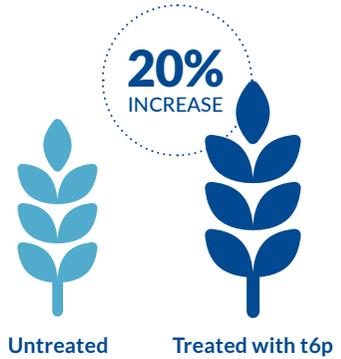
# Results

## Proof of concept study

A proof of concept study by Rothamsted Research and Oxford University further supports the use of t6p in cereal crops.

When t6p precursor molecules were applied to wheat, a 'pulse' was created. This resulted in sucrose being drawn into the grain to make starch, which increased grain size and yield by 20%.

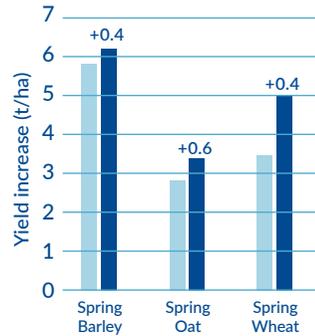
The study also demonstrated that t6p can enhance a plant's drought recovery, helping farmers to overcome difficult seasons more easily in the future.



## Grower trials

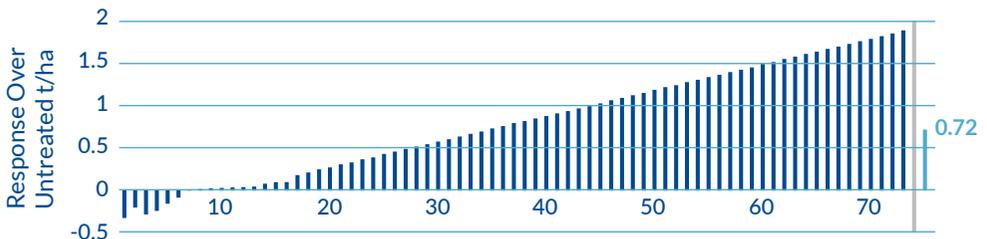
Trials conducted by Agrovista in Northamptonshire show a measurable increase in yield (t/ha) following the application of 3 ALO t6p to spring cereals.

Yield (t/ha)



Further results for winter wheat, collated from a range of trials 2018/19.

## Yield response over untreated





innovation  
range

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