

Inspiring
change...

Get a hold
of grain
management

3 ALO t6p



A unique foliar treatment that maximises seed and grain filling to optimise yield potential.

Get a hold of grain management

How it works

3 ALO t6p contains a precursor of the sugar Trehalose-6-Phosphate (T6P), which regulates important metabolic and developmental processes within plants. This includes carbon fixation and balancing the concentration of carbohydrates, particularly sucrose. As the main fuel generated by photosynthesis, sucrose is key to the development of cereal grains.

By relocating carbohydrates into grain within the kernel or seed and providing more T6P, this has a positive effect on crop yield, whilst improving the response to environmental stresses such as drought.

This product is not currently available for malting barley



Benefits

3 ALO t6p offers the following benefits:

- ***Increased yield through improved grain management***
- ***Improved management of stresses, particularly drought***

3 ALO t6p is a unique foliar treatment that maximises seed and grain filling to optimise yield potential.



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 per cent.

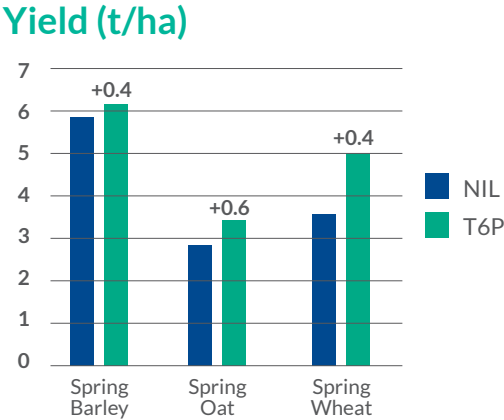
The study also demonstrated that t6p can enhance a plant’s drought recovery, helping farmers to overcome difficult seasons more easily in the future.



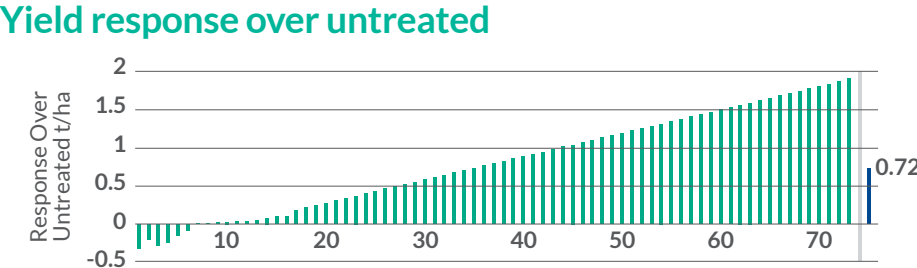
Untreated Treated with t6p

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.



Further results for winter wheat, collated from a range of trials 2018/19 (response compared to untreated):



Application

Crop	Rate	Application timing range
Cereals*	1.0 l/ha	GS 30-69

*Excluding malting barley varieties
**Suggested timings, for label information, speak to your BASIS-qualified advisor

Other features

- Tank mixable
- 10L pack size
- Must be applied to manganese and boron sufficient crops only

Targeted solutions



Through truly understanding the science behind innovation, Agrovista can help you to select the correct bioscience products.

Whether that's meeting a crops' specific resource requirements, or overcoming a physiological problem, we know that choosing the right product for the right timing is key.

Effective use of bioscience in three steps

For cereal crops, this can be demonstrated through the following:

1

Water and nutrient uptake:
root development, establishment and survival

2

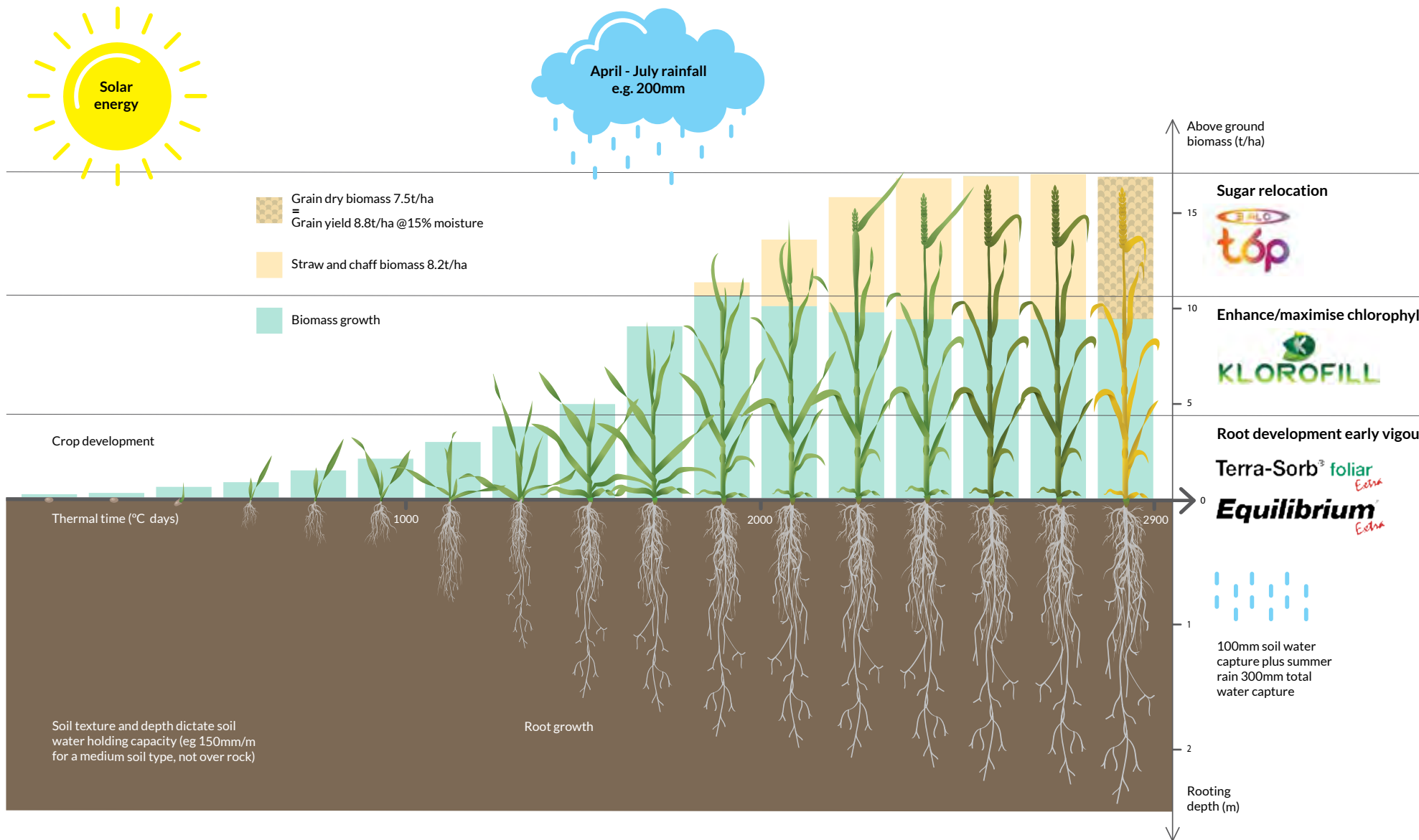
Solar conversion:
maximising chlorophyll production

3

Relocating sugars:
seed and grain filling

With specific products for each of these steps, Agrovista can successfully guide you through effective bioscience application to help you achieve maximum results.

Maximising cereals with biostimulants



Contact your local Agrovista agronomist today, to discuss our Innovation Range and how these exciting new products can support you.



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