

**Establishment Plus will be provided on Agrovista-grown cereal seed as standard**

# Establishment Plus



**For the second year – autumn and spring, Agrovista will be offering all self-produced seed as Establishment Plus at no extra charge. Establishment Plus seed has enhanced vigour and crops produced may yield up to 8% more (based on manufacturer trials).**

This process of producing Establishment Plus seed begins with our seed crops. These crops are treated with the product 3 ALO T6P which is a unique foliar treatment that maximises seed and grain filling to optimise yield potential and increase seed health.

In manufacturer trials seed taken from crops treated with 3 ALO T6P gave up to a 15% increase in plants per m<sup>2</sup> in the autumn, an improved crop biomass, a subsequent increase in ears per m<sup>2</sup> in the spring, which led to an **8%** increase in yield over non treated seed in a first wheat situation.

## What is 3 ALO T6P

3 ALO T6P is an advanced biostimulant technology containing a precursor to Trehalose-6-Phosphate (T6P)—a central regulatory sugar signal that governs critical metabolic and developmental pathways in plants.

T6P plays a key role in carbon allocation and carbohydrate homeostasis, particularly in the regulation of sucrose, the primary product of photosynthesis and a vital energy source for grain filling.



Seedling on right taken from a crop treated with 3 ALO T6P

By modulating the trehalose pathway, 3 ALO T6P enhances the mobilisation and translocation of sucrose into developing kernels or seeds.

This targeted action not only promotes starch biosynthesis but also improves source-sink dynamics, resulting in enhanced grain size, higher yield potential, and improved stress resilience, particularly under drought conditions.

## T6P and seed enhancement



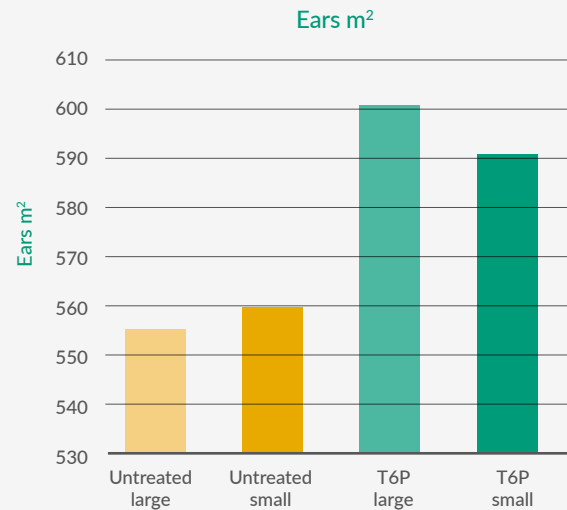
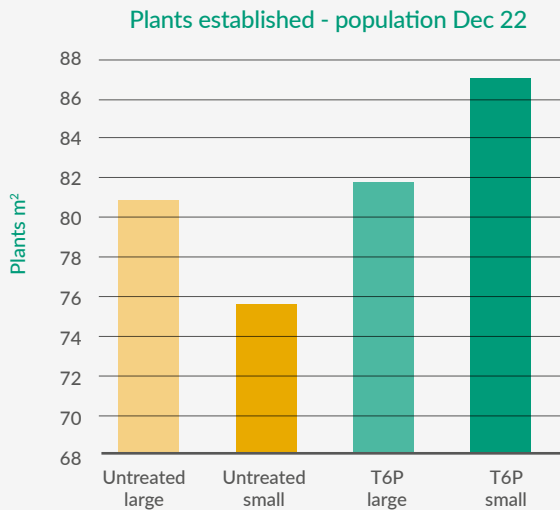
Small grain seed  
TGW 39

Large grain seed  
TGW 59

Small grain seed  
TGW 39 T6P Trt mother crop

Large grain seed  
TGW 59 T6P Trt mother crop

### Seed from a crop treated with 3 ALO T6P



Independent research supports these findings, showing that enhancing T6P activity during seed development produces **more nutrient-dense grain which gives enhanced seed quality and better-established crops.**

This improvement in maternal seed quality carries forward, delivering a yield advantage not only in the treated crop but also in the next generation.

At Agrovista, we combine science-led innovation with practical agronomy to deliver measurable on-farm benefits. From seed to harvest, our Establishment Plus initiative reflects our commitment to you by providing cutting-edge solutions such as 3 ALO T6P and beyond; designed to maximise genetic potential, drive yield, and improve gross margins.

With this in mind we have decided to provide Establishment Plus seed as standard across our cereal seed portfolio at **no additional cost** to help your crops maximise their potential.

### The Impact of the 3 ALO T6P primed seed on a first wheat 2020

