

The initial spark for  
**better growth**  
#KWSINITIO

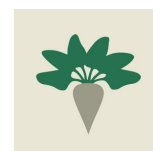
SEEDING  
THE FUTURE  
SINCE 1856



# INITIO EarlyPower

Seed Treatment

- Fast and even germination and emergence
- Early and rapid plant development for early plant vigour
- The best start to reach plant maturity and fast row closure



## INITIO EarlyPower builds on the success of our EPD 2.0 technology.

We have combined two new biological products to partner with EPD 2.0, to improve the early development of plants. KWS have partnered with 3 external companies to allow these new technologies to be tailored to the requirements of specifically sugar beet plant growth.

These innovative additions aid the plants development for longer into the season than the benefits offered solely of EPD 2.0.



**SPA**  
Stress Protection Agent



A consortium of 6 defined bacterial strains, selected for their beneficial effects on sugar beet

- Strengthen rooting systems
- Improved early nutrient uptake



**AgRHO®**  
S-Boost



Biobased polymers from plant extracts

- Improved tolerances to biotic and abiotic stresses; improving seed germination, promoting water and nutrient uptake, mitigating drought affect



**More resilient and  
robust plants**



## Supports germination under dry conditions

Both the living organisms and the biobased polymers are applied on to the seed, before the pellet. This allows both aspects to be well placed to either colonise around the seedling roots after germination or to favour water absorption.

[www.kws-uk.com](http://www.kws-uk.com)

# INITIO EarlyPower in the UK.

## The benefits of SPA in controlled conditions.

The benefits of a biostimulation package are best seen when the plants are stressed, rather than being in a more ideal environment. The UK springs are becoming variable, the past few years are ideal examples and we have no way to foresee what the next spring will bring. INITIO EarlyPower will help early vigour in many situations where plants have struggled.

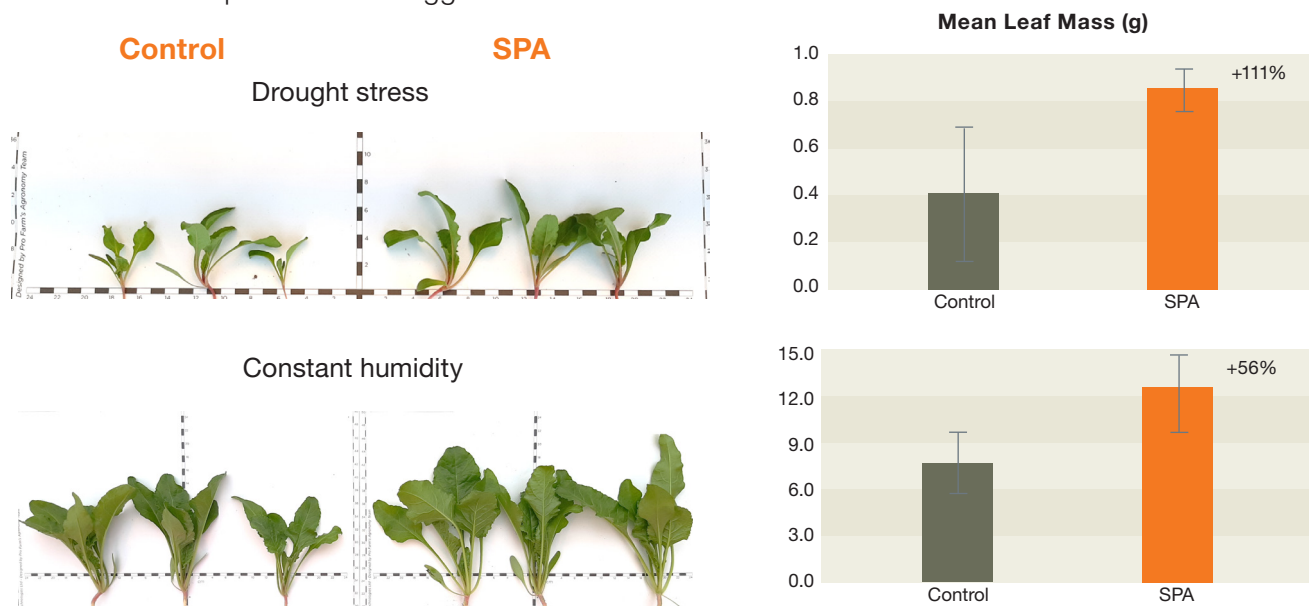


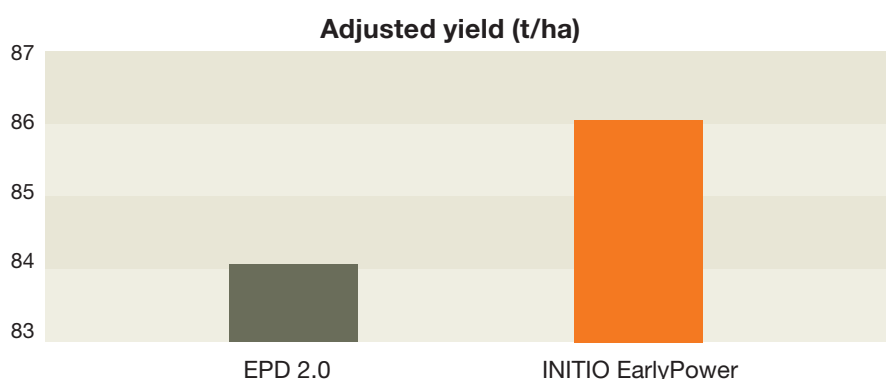
Figure: Assessment of early plant development without seed treatment (control) and with biostimulant, in greenhouse after 41 days at appr. 14-18°C under different soil moisture conditions.

## UK Field Trials

Multiple trials have shown INITIO EarlyPower to emerge faster than EPD 2.0. The average period from sowing to 100% emergence was 29 days. To help with getting the best possible yielding crop, sugar beet growth wants to be as quick as possible. As solar radiation increases in the spring and summer months you need a quickly emerging and vigorous plant to intercept as much solar radiation as possible.

	Speed of emergence - plants per trial plot			
	25%	50%	75%	100%
EPD 2.0	47.3	86.8	129.4	151.6
<b>INITIO EarlyPower</b>	<b>49.6</b>	<b>90.3</b>	<b>131.8</b>	<b>152.3</b>
% increase over EPD 2.0	+4.9	+4.1	+1.8	+0.5

***“The introduction of INITIO provides growers with improved germination and stress tolerance, giving a phenomenal opportunity to improve their beet performance paired with KWS varieties.”***



### Yield increase over EPD 2.0.

INITIO EarlyPower has shown an outstanding 2.4% yield increase over EPD 2.0 - This equates to nearly 2t/ha more for a grower currently with 75t/ha.

Source: Independently managed and analysed replicated trial data from 6 sites in 2023