



# STORIES USING STIMBLUE+

**CORN CULTIVATION**





# CORN CULTIVATION

## Field results

### CROP

Corn

### LOCATION

Bulgaria

### SEASON

April - August  
2024

**+260€**

increase in euros per hectare

**+10-15%**

yield increase compared  
to control

**+7%**

yield increase compared  
to competitor  
(+80€/ha)

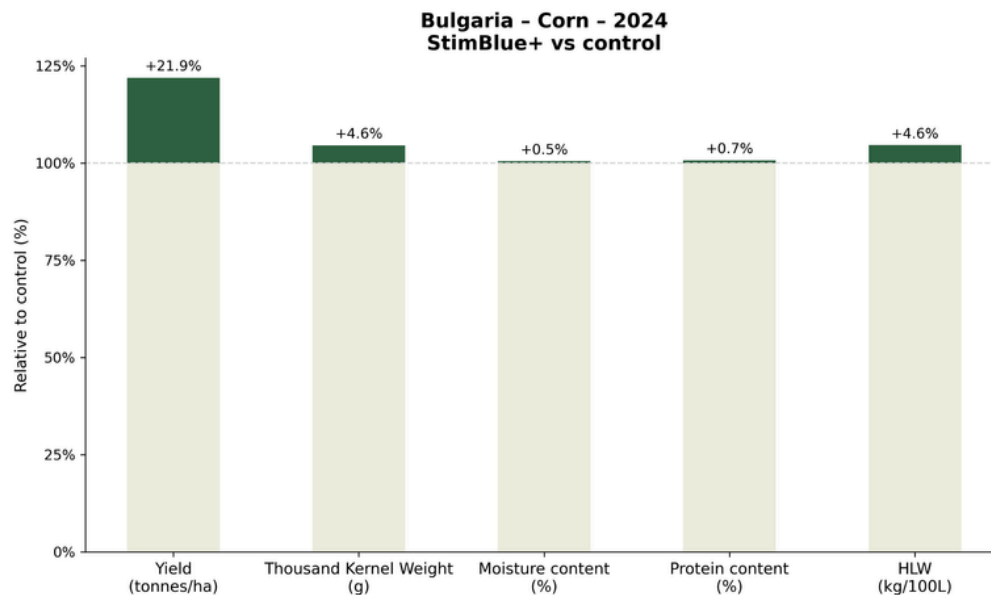
- + Greater yield
- + Bigger grains
- + Higher hectoliter weight


# ABOUT THE TRIAL

Three field trials were executed by Sagea at different locations in Bulgaria, a typical area for the cultivation of corn. The main objective of the study was to evaluate the efficacy of StimBlue+ applied at different dosages compared to the reference competitor, an Ecklonia maxima based biostimulant, and untreated control.



**CONTROL**      **ECKLONIA MAXIMA**      **STIM BLUE** 1L / HA      **STIM BLUE** 2L / HA      **STIM BLUE** 4L / HA



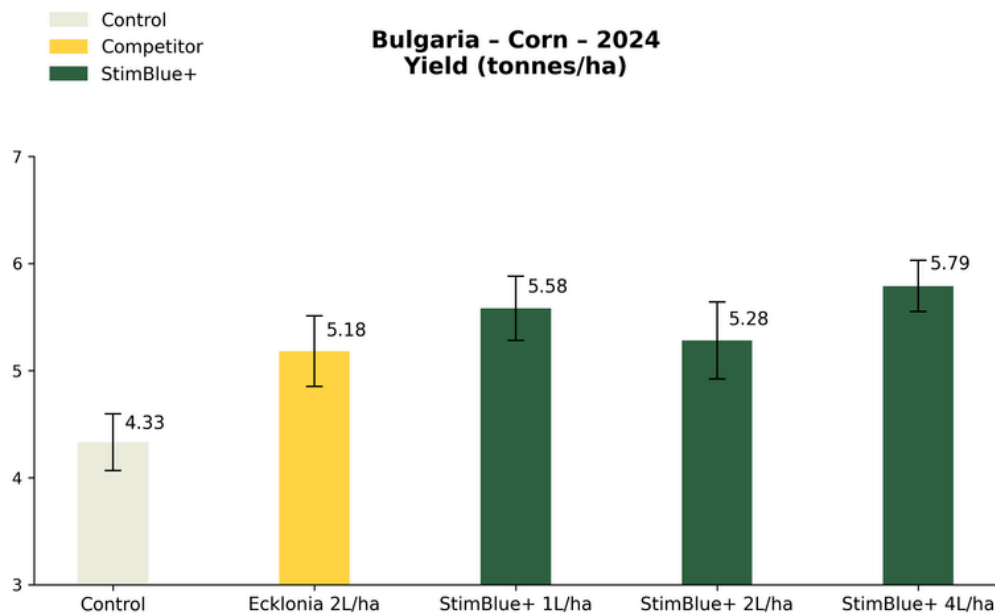


# **RESULTS EXPLAINED**



## INCREASED YIELD

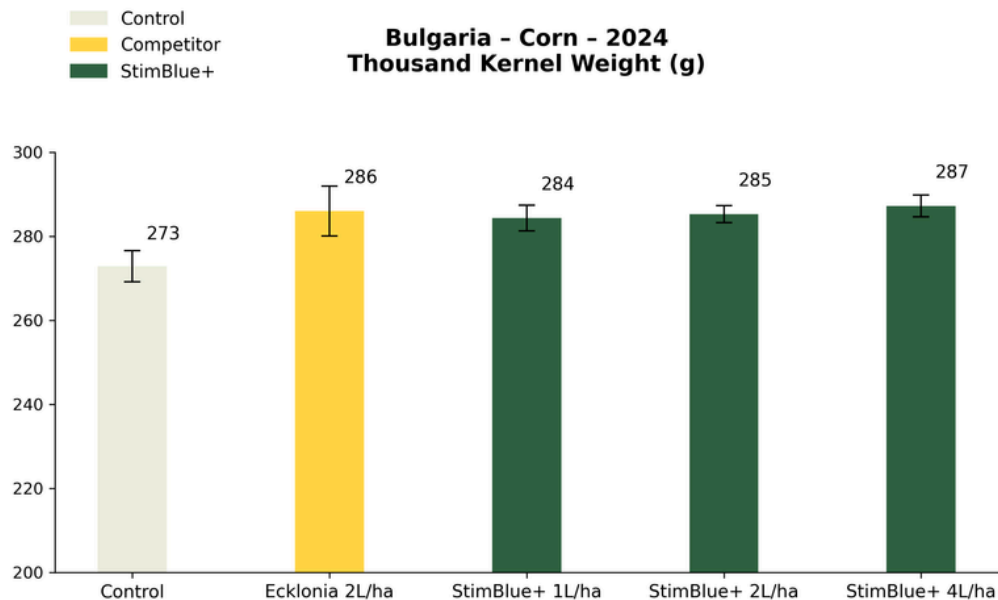
- Applying StimBlue+ at 1L /ha and 4L /ha yielded an increase between of **+29% (+€222/ha)\*** and **+34% (+260€/ha)\*** compared to control, and an increase between 8% and 12% between the competitor biostimulant using Ecklonia.



\* Economic evaluation of the treatments is calculated according to current market prices (15/10/2024)

# BIGGER GRAINS

- ✚ At harvest, plots treated with StimBlue+ consistently showed a higher **thousand kernel weight** for the different trials compared to the untreated plots (+4-5%) and competitors (+0.4-1%).
- ✚ By knowing the weight of Thousand Kennels, farmers can calculate the optimal seeding rate and avoid risks of over/underplanting, leading to competition for nutrients/moisture, and unnecessary costs.





# HECTOLITER WEIGHT

- + The hectoliter weight was measured by Sagea as a basic evaluation of corn quality.  
Generally, the higher the hectoliter weight of corn, the higher the dry matter and corn yield.
- + Plants treated with StimBlue+ showed a consistent positive trend compared to control, with an increase between +2-3%.



# APPLICATIONS

- + First application: Soak the seeds for 30 minutes in a 4% solution (4L of StimBlue+ for 100 L of water) before sowing.  
or apply 2L / ha of StimBlue+ to the soil during the sowing process (apply to the seeds in the furrow using a 20cm or 25cm nozzle, before covering with soil).
- + Second application: foliar spray at a rate of 2L/ha, diluted at 0.2-2% in a water tank, at the F//BBCH25-30 stage - early tillering.



\*This approach ensures the plants receive support at critical growth stages.  
The results are based on StimBlue+ suggested application rates and calendars



# ABOUT STIMBLUE+

**StimBlue+** is a biostimulant made from 100% cultivated Giant Kelp (*Macrocystis Pyrifera*), has shown to be a practical solution for improving quantity and quality processing parameters. The trial data suggests that it offers measurable, significant economic benefits, making it a great choice for those looking to optimize their crop output.

We plant kelp forests around the globe to boost the health and biodiversity of the oceans while locking away CO2, and producing products to offer sustainable alternatives to help transition agriculture to more sustainable practices.



**STIM  
BLUE**

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# GROW MORE



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