
SynTech Research
SUCCESS STORIES USING STIMBLUE+
TOMATO CULTIVATION
kelp blue
STIMBLUE

ABOUT THE TRIAL

TRIAL CONDUCTED BY
SynTech Research

LOCATION OF TRIALS

MEXICO
Jalisco

SEASON

JUL – NOV 2024

MACROCYSTIS VS ASCOPHYLLUM

CLIMATE

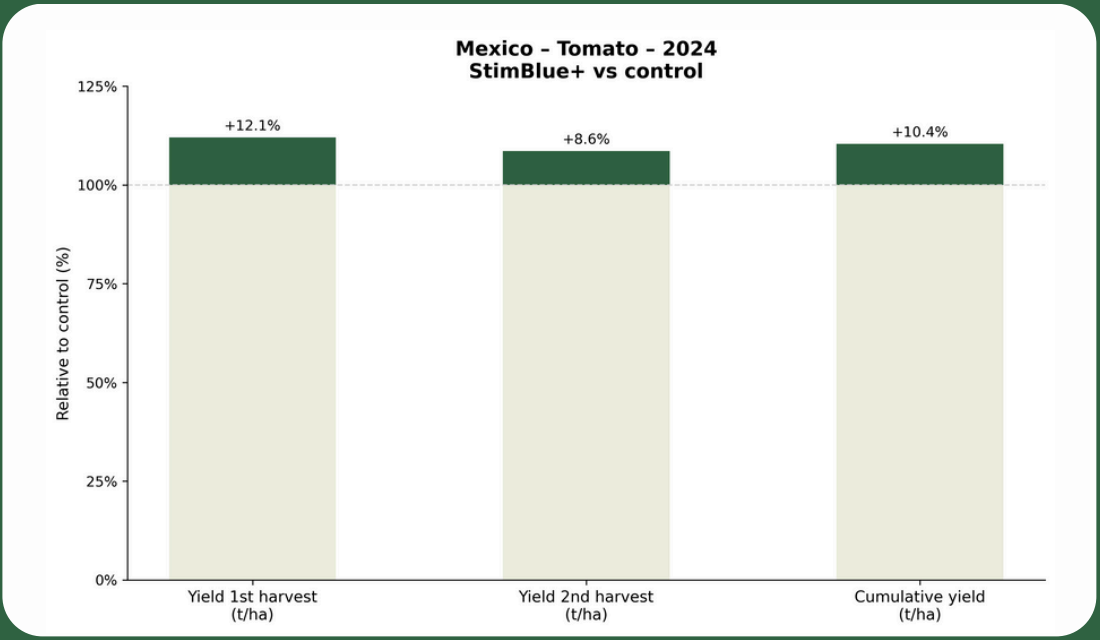
Temperate - dry winter, hot

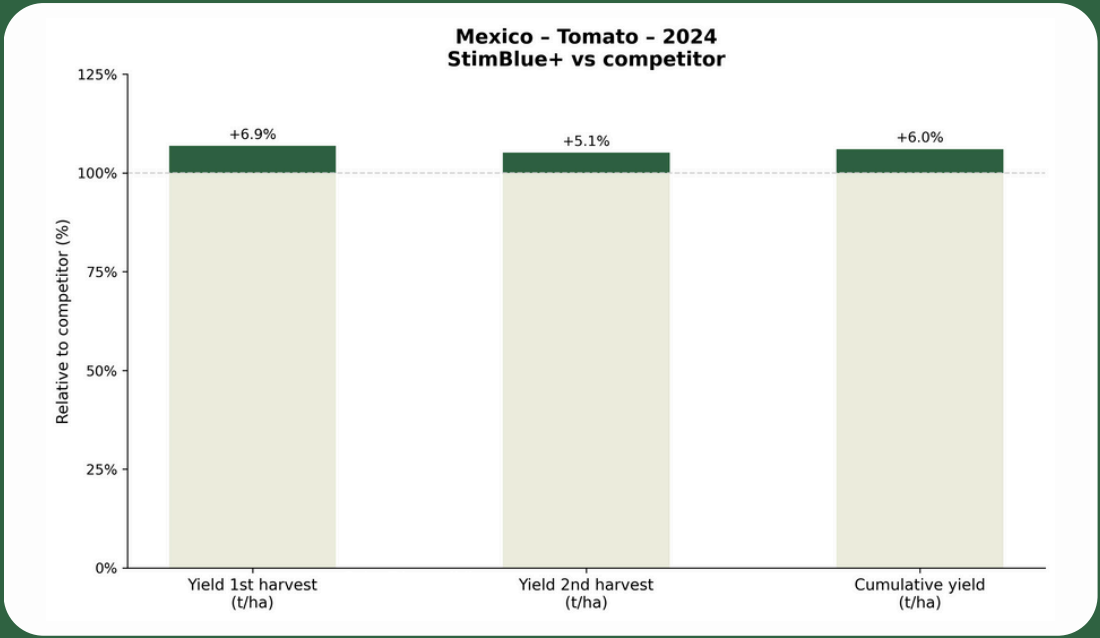
+$2,650
increased economic returns per hectare

+6–15%
cumulative yield increase vs control

TRIAL DESCRIPTION

Mexico is among the leading producer of tomatoes worldwide, producing over 330 Mt over 50.000 ha. We conducted a series of 2 different trials using 2 tomato varieties: Recoba and Gabby. The main objective of the study was to evaluate the efficacy of StimBlue+ applied at different dosages compared to the reference competitor, an Ascophyllum nodosum based biostimulant, and untreated control. The results are summarised below.

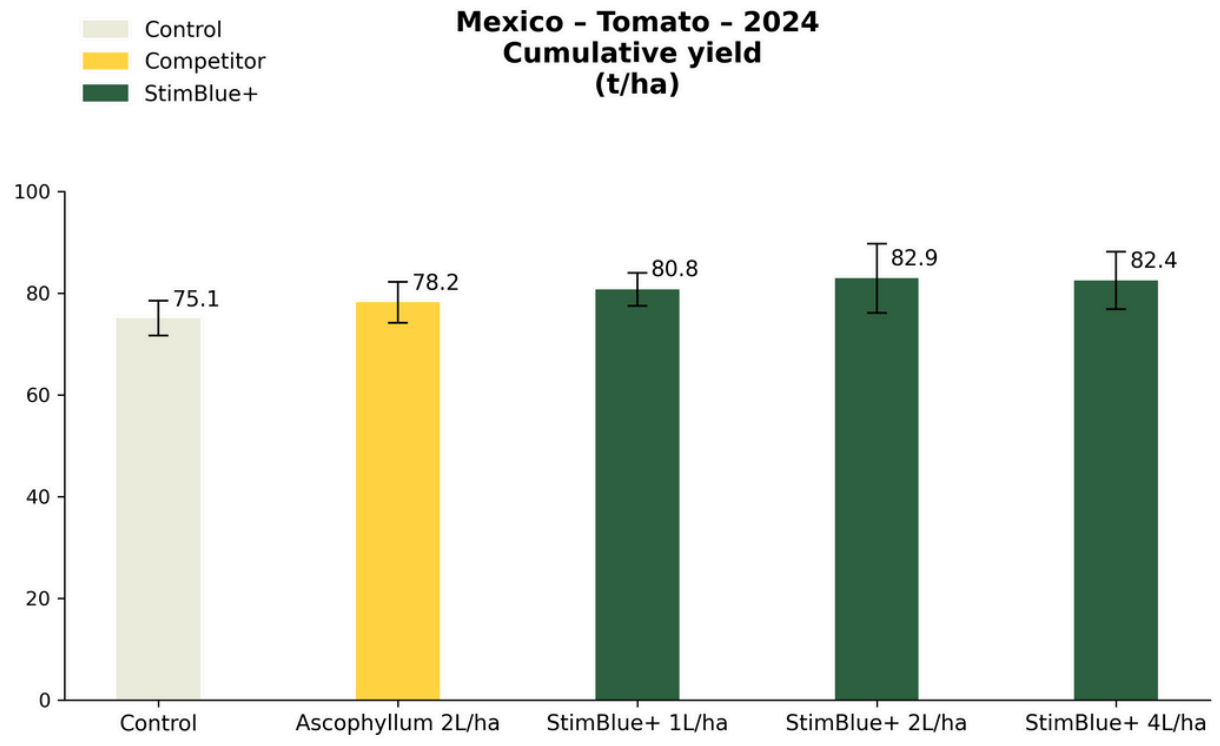




RESULTS EXPLAINED

CUMULATIVE YIELD

- When assessing the cumulative yield - total amount of tomatoes harvested over a period of time, summed across multiple harvests - the application of StimBlue+ positively affected the overall harvest per plot per hectare. Results were statistically different from the control (+10%) and the competitor (+6%).

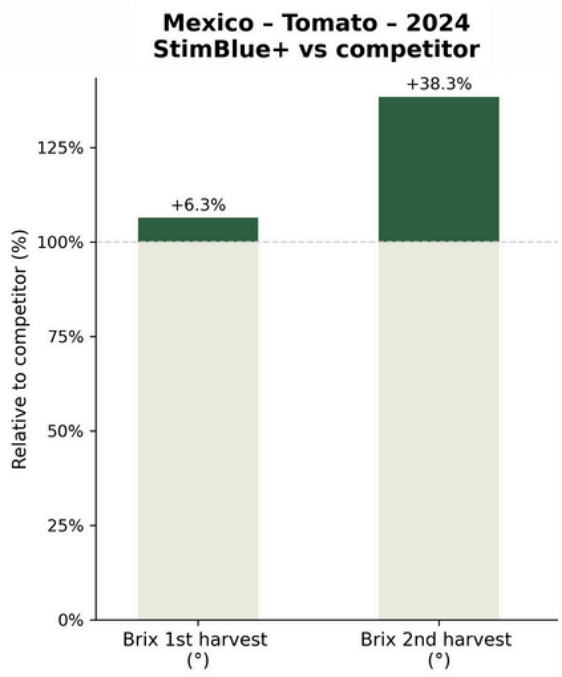


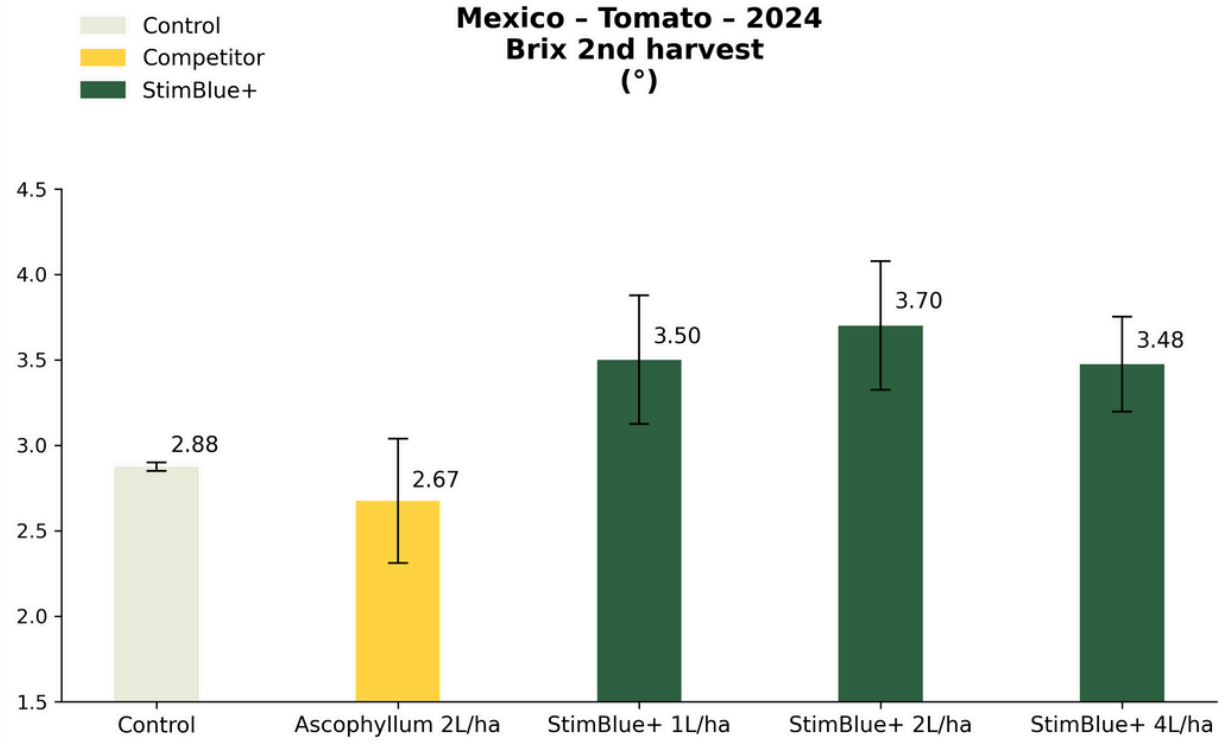
- The application of StimBlue+ at 2L/ha at the suggested applications calendar showed significant improvements in the overall productivity of tomatoes.

- Based on the current economic evaluation of the farm gate price of tomatoes being $875/tonne, the application of StimBlue+ at 2 L/ha resulted in +$2,650 increased economic returns for the farmer.*

BRIX

- Just before harvest, StimBlue+ plants showed higher Brix levels than both the control and the competitor. StimBlue+ reached 3.70, while the control measured 2.88 and the competitor 2.67—representing a 29% increase over the control and a 39% increase over the competitor.

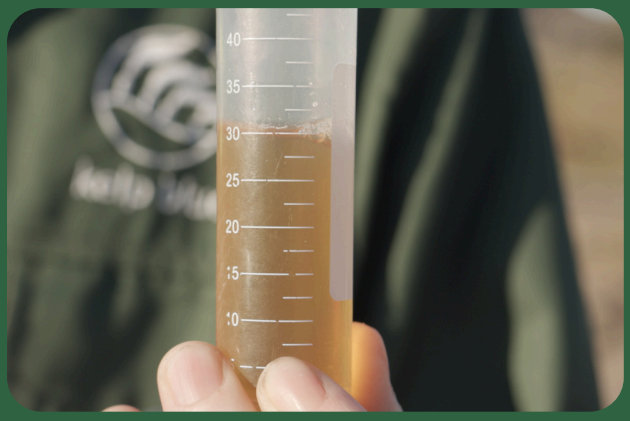




APPLICATIONS

- First application: immersion of seedling roots for 20 minutes
- Second application: foliar spray before flowering ~ BBCH50
- Third application: foliar spray during fruit setting ~ BBCH75

*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 great solution for tomato cultivation. The trial data suggests that it offers measurable, significant economic benefits, with greater yield and elevated sugar content.

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.

CONTACT OUR TEAM

valentin.pitiot@kelp.blue
+33 6 11 10 12 85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