



SAGEA

SUCCESS STORIES USING STIMBLUE+

RICE CULTIVATION



kelp blue

**STIM
BLUE**

ABOUT THE TRIAL

TRIAL CONDUCTED BY



LOCATION OF TRIALS



ITALY

Vercelli, Piedmont

SEASON

MAY – DEC 2024

SOIL TYPE

CLAY

CLIMATE

Temperate - no dry season, hot

+\$150

increased economic
returns per hectare

+4%


increased yield
(StimBlue+ at 2 L/ha vs. control)

Control



StimBlue+

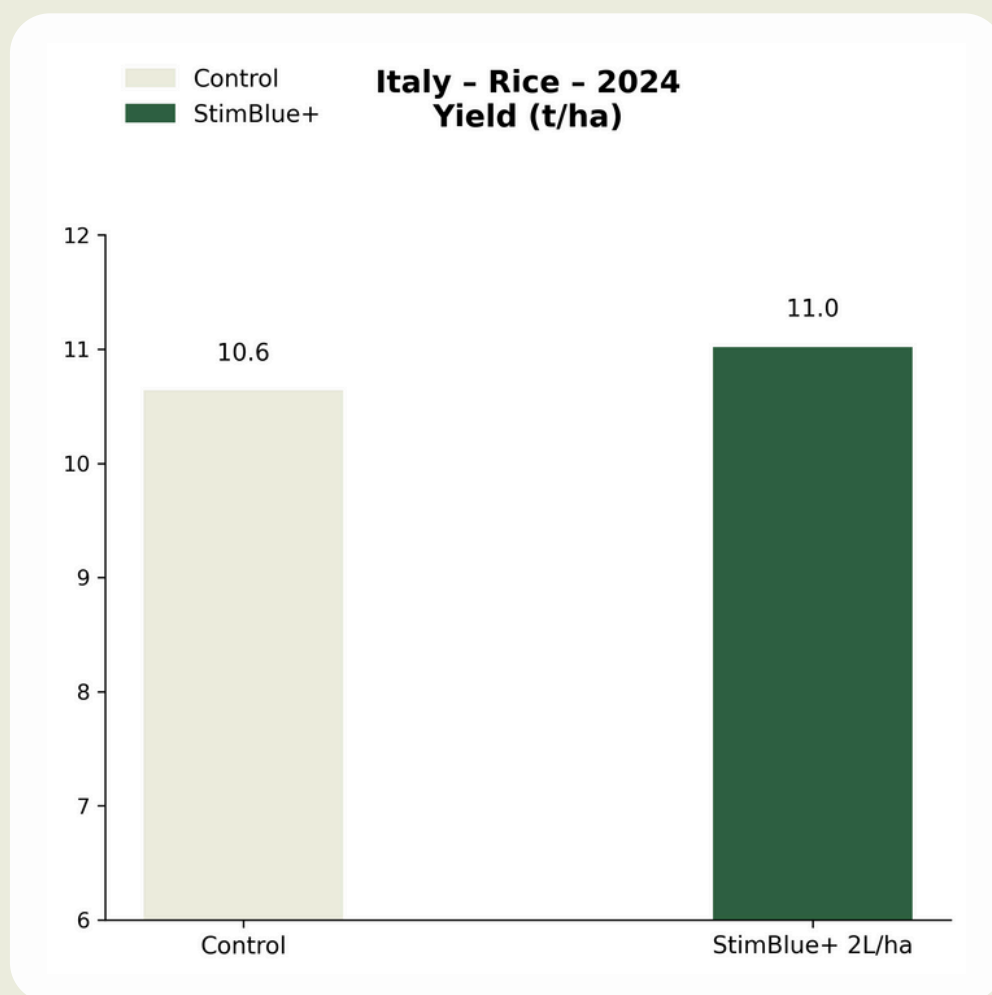


An underwater photograph showing a dense field of green and yellow seaweed. The water is clear, and sunlight filters through from above, creating bright highlights and a blueish tint. A semi-transparent yellow rectangular box is centered in the upper half of the image, containing the text 'RESULTS EXPLAINED' in bold blue capital letters.

RESULTS EXPLAINED

INCREASED YIELD

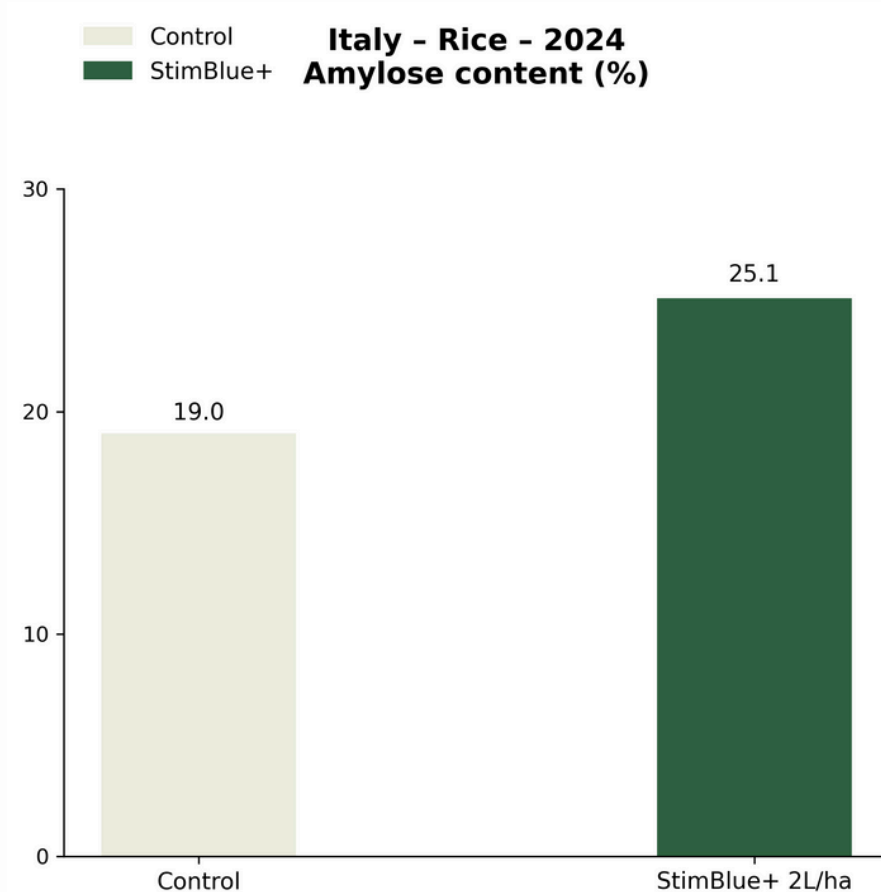
- + The plots treated by Sagea with StimBlue+ at 2 L/ha generated +4% greater yield when compared to the untreated plots.
- + At the current grains evaluation, this yielded an additional +\$150 per hectare for the farmer.



*Economic benefits were calculated based on an average farm gate price for rice in Italy of \$585 per tonne.

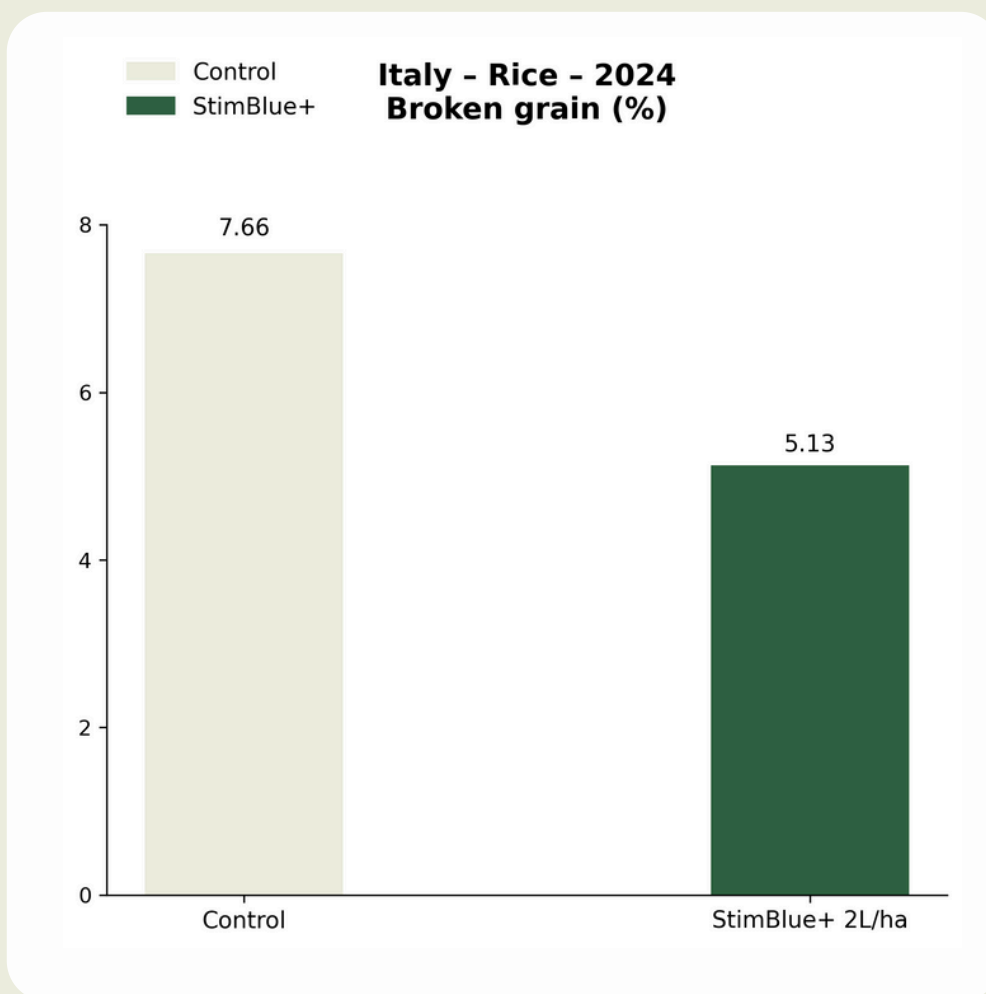
AMYLOSE CONTENT

- Measuring amylose content is a critical variable for evaluation due to its significant influence on the quality, quantity and consumer preference of rice. Plots treated with StimBlue+ at 2 L/ha showed a +32% increase in amylose content compared with untreated. It is classified as intermediate-amylose rice, which typically has an amylose content between 20-25%. High-amylose rice is firm and non-sticky, while low-amylose rice is soft and sticky, which directly affects its suitability for different culinary uses and consumer preferences. Compared to low-amylose rice, it has a lower glycemic index (GI), making it a better option for blood sugar management. It balances digestibility and resistant starch content, offering moderate health benefits.



BROKEN GRAINS

- + This trial highlighted the positive effect brought by StimBlue+ to enhance rice grain integrity, reducing the proportion of broken grains by 33% compared to untreated plots. This suggests that StimBlue+ strengthens grain structure, possibly by mitigating environmental stressors during growth.



APPLICATIONS

- + First application: sowing (BBCH00)
- + Second application: beginning of tillering (BBCH21)
- + Third application: inflorescence emergence (BBCH55-60)

*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 rice cultivation. The trial data suggests that it offers measurable, significant economic benefits, with greater yield and bigger grains.

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.



**SEAWEED
DONE RIGHT**

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