

GROWTH CHAMBER TRIAL REPORT

Trials conducted on
MINT - Salt Stress

OCEAN RAINFOREST

SAKARI BOOST

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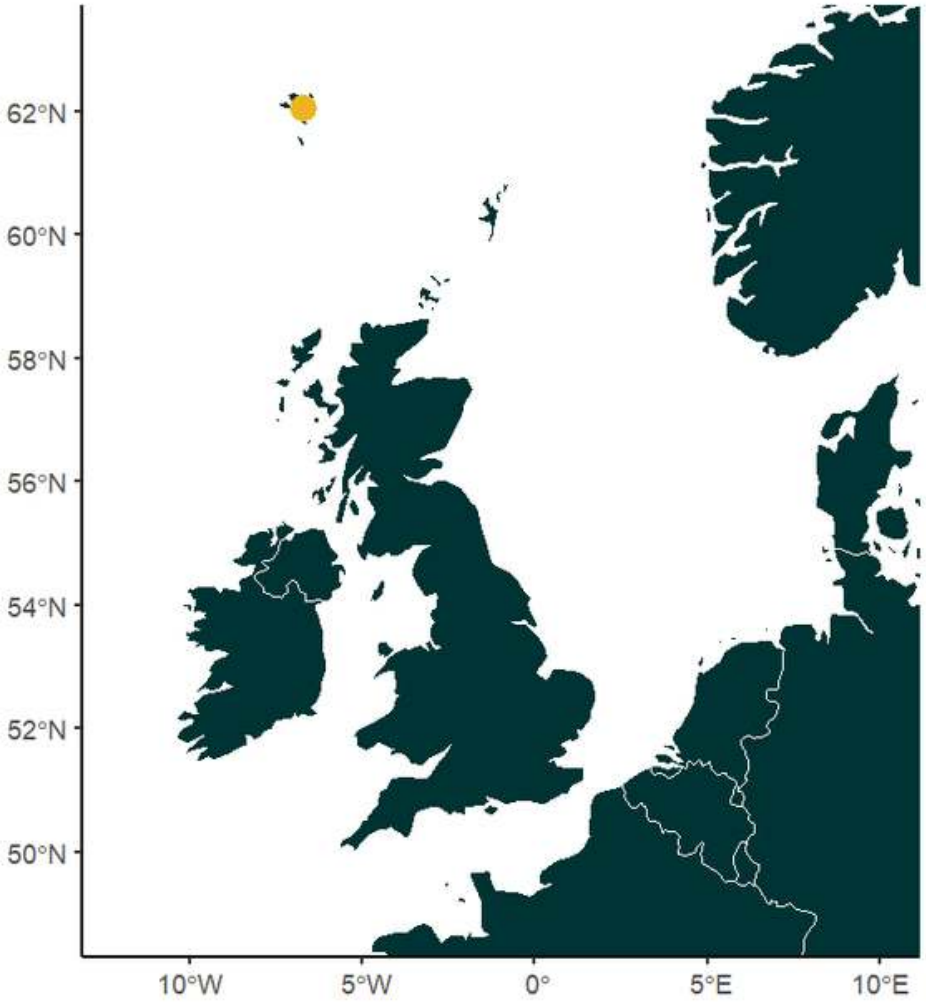
SEAWEED FOR A BETTER LIFE

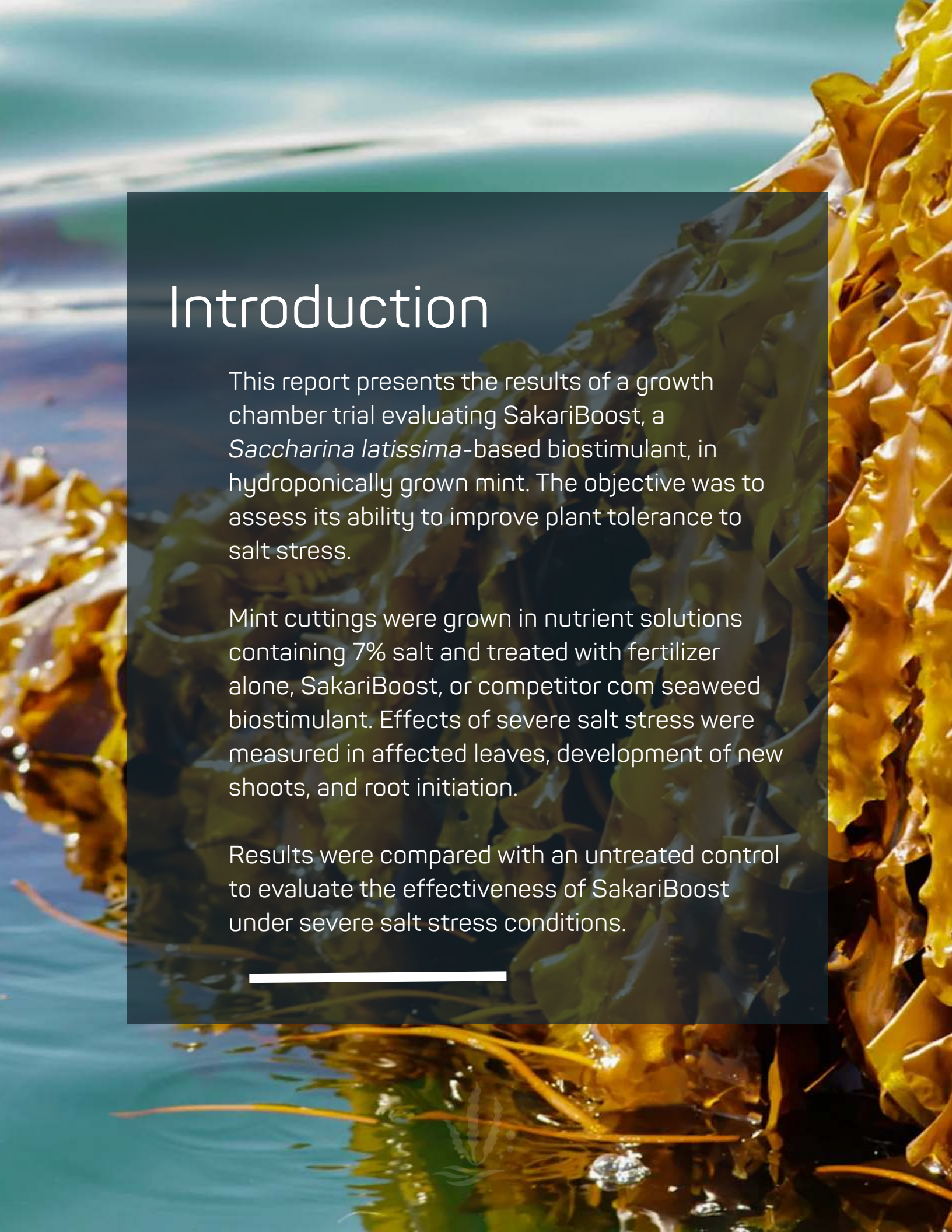


Field Test Overview

Product: SakariBoost
Crop: Mint
Season: 2026
Objective: Evaluate the effect of SakariBoost on the resilience of mint against severe salt stress

Location: Kaldbak, Faroe Islands





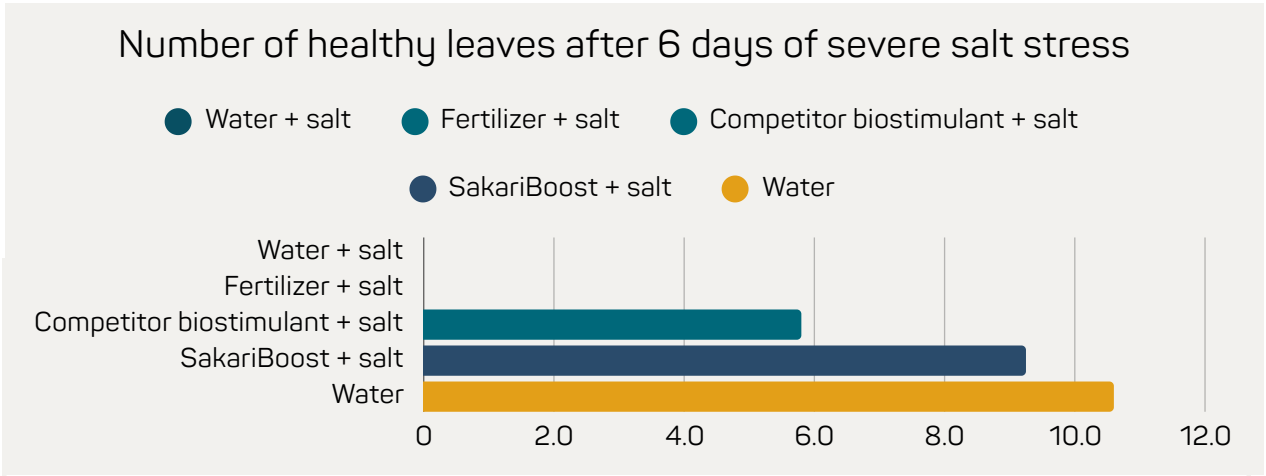
Introduction

This report presents the results of a growth chamber trial evaluating SakariBoost, a *Saccharina latissima*-based biostimulant, in hydroponically grown mint. The objective was to assess its ability to improve plant tolerance to salt stress.

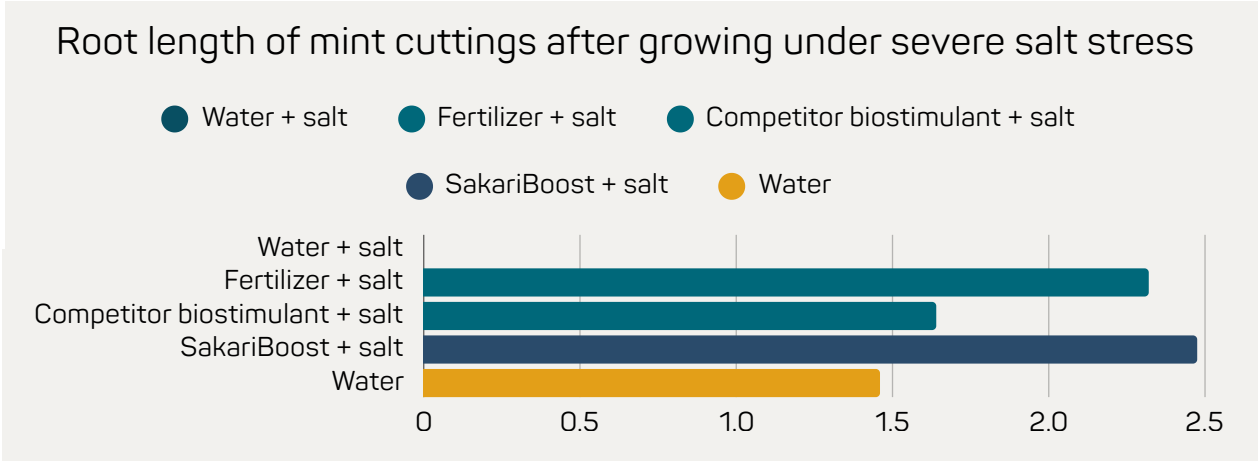
Mint cuttings were grown in nutrient solutions containing 7% salt and treated with fertilizer alone, SakariBoost, or competitor com seaweed biostimulant. Effects of severe salt stress were measured in affected leaves, development of new shoots, and root initiation.

Results were compared with an untreated control to evaluate the effectiveness of SakariBoost under severe salt stress conditions.

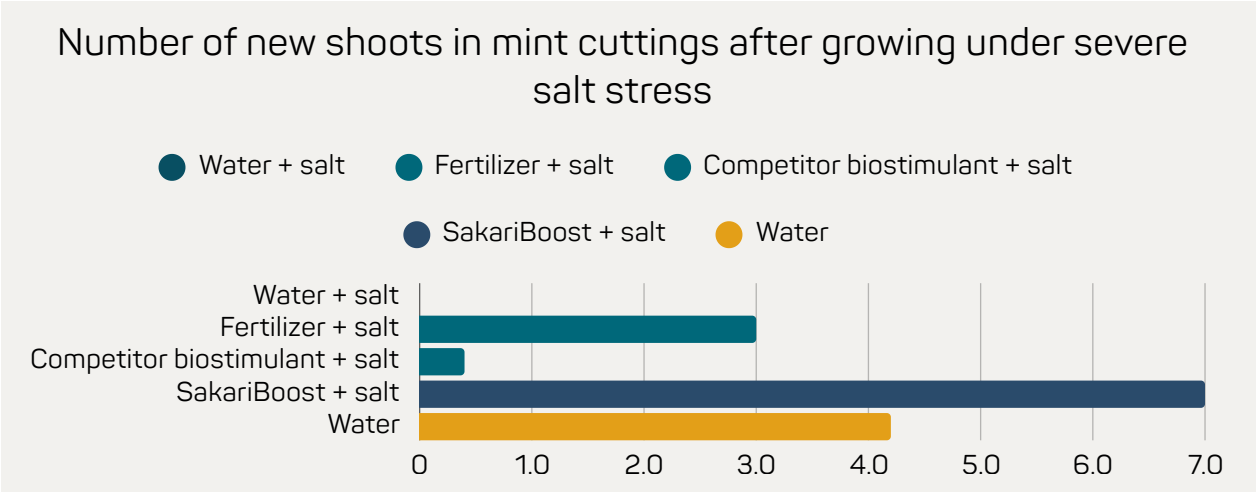
Results



Six days after initiation of the test, SakariBoost had the least amount of dead leaves compared to other salt stressed groups, and performed the most similar as the water control.



Six days after initiation of the test, salt stressed mint treated with SakariBoost had developed the longest roots and outperformed the non-stressed water control.



Six days after initiation of the test, salt stressed mint treated with SakariBoost had developed the most new side shoots and outperformed the non-stressed water control.

SakariBoost provided the strongest protection against severe salt stress in hydroponically grown mint. Compared with the saltwater control, fertilizer, and the commercial seaweed biostimulant, SakariBoost maintained the highest proportion of healthy leaves, supported root growth, preserved healthy root systems and promoted new shoot formation.

These results indicate that SakariBoost can effectively enhance mint stress tolerance to high saline growing conditions.

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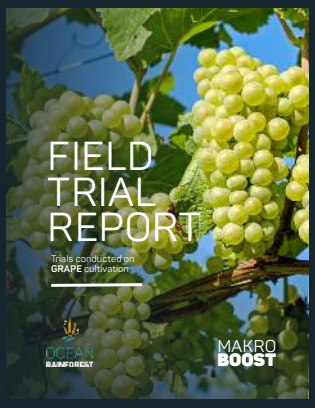





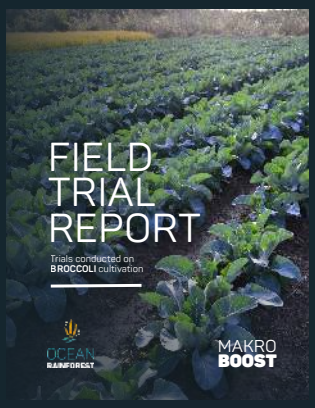





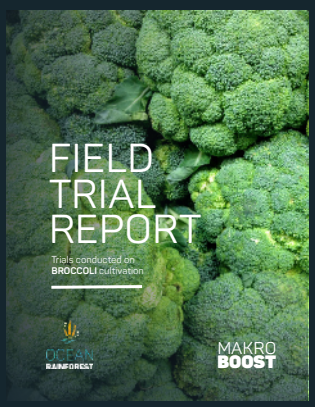







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