



# Biostimulant from Baltic Red Seaweed — A New Local Resource with Proven Plant Growth Effects



## Opportunity

The world's largest known stock of *Furcellaria lumbricalis* is found in Kassari Bay, Estonia.

With an estimated biomass of around 150,000 tons, this largely unexploited resource offers a sustainable and traceable local feedstock for developing bio-based agricultural inputs.

Our company, Vetik, holds historical harvesting rights, providing direct access to this valuable natural resource.



Our seaweed harvesting vessel

## Product development

*Furcellaria lumbricalis* has never previously been used as a source for plant biostimulants. We therefore established a new extraction and formulation process specifically for this species.

Local harvesting and processing have enabled us to use the seaweed fresh, preserving its natural bioactive compounds without chemical solvents — fully aligned with clean-label and circular bioeconomy principles.



Arvi - our seaweed harvester



Biostimulant prototype

## Results

Tests carried out in the largest greenhouse in Estonia showed a consistent positive effect across four consecutive trials:

Application rate: 1 L / 20 000 plants (in sowing stage)  
+9% yield increase  
Higher nutrient content

Field trials with cereals show promising effects in seed treatment and foliar application.

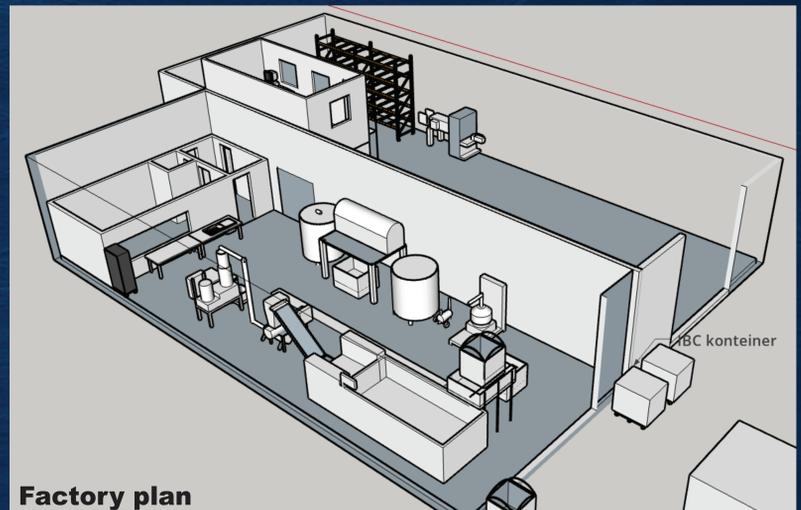


Biostimulant trials in the largest greenhouse in Estonia

## Next Steps & Collaboration

We are scaling up production to 3 tons per day and expanding trials to new crops.

Supported by over €900K in EU and national R&D funding and an angel investor, we are open to collaboration with research institutions, agricultural companies, and investors interested in bringing this solution to market.



Factory plan

## The Team

Tanel Ilmjärv - CEO, CTO  
Valmar Kasuk - Sales/marketing  
Arvi Talk - Seaweed harvesting

