

CO-CREATION: HYDROXY FARMING

Project duration: 1.6.2019.–30.11.2019

WANTED PARTNERS:

- *Fertilizer manufacturers from both conventional fertilizer manufacturing and also manufacturers of fertilizer from sludge and other waste.*
- *Industry with side-streams or waste containing hydroxy acids. Such streams/waste include black liquour, sawdust, textile and clothes waste. Bascially any waste rich in **POLYSACCHARIDES***

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SUSTAINABLE FARMING



Hydroxy acids the future of sustainable farming

CO-CREATION: HYDROXY FARMING

AIM & CONTENT OF THE CO-CREATION PROJECT

The aim of the project is to develop designer fertilizers that contain bio-based additives for improving nutrient transfer to plants, improved crop growth, increased microbial soil activity and overall healthier crops. The aim is to also be more environmentally responsible by utilizing waste to produce the hydroxy acids and utilization of the hydroxy acids in fertilizers made from different wastes including municipal and food waste.

BENEFIT & COMPETITIVE ADVANTAGE OF THE SOLUTION

The main benefits is the hydroxyl acids come from biobased waste providing a sustainable fertilizer additive and at the same time brings additional properties to fertilizer not currently available. In addition the hydroxy acids can be made from any form of polysaccharide waste and therefore is easily available in all locations reducing costs of logistics.

TARGET MARKETS & GLOBAL MARKET POTENTIAL

Target markets include Finland, Europe, Africa. The Global market potential 1.5-2 B€