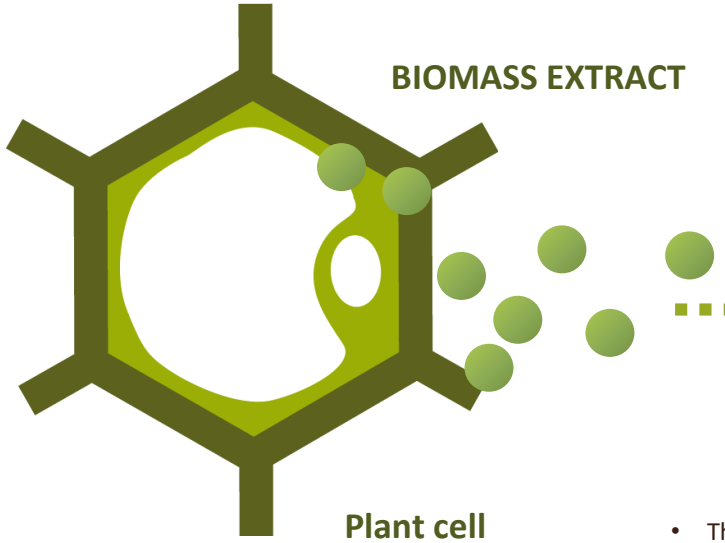
fyteko
The Science of Biopossible

Novel Signal Molecules for Agriculture – *Webinar:* Belgian Sustainable Food Systems | June 22nd 2021

TECHNOLOGY & CONCEPT | Inspired by nature

Lab experiment simulating extreme drought/heat stress on radish seedlings
(10 days without water, 35°C, rewatering, picture 24h after recovery)
Left: *Untreated controls*
Right: *Nurseed*



BIOMASS EXTRACT

Plant cell

Production process

Biocatalysis

NEW bioactive compound

SM SIGNAL MOLECULE

- The **signal molecules** (bioactive oligomers) are based on a naturally occurring molecules.
- Production is performed with an **eco-friendly process** (green chemistry, organic solvent free, non-hazardous conditions) l.

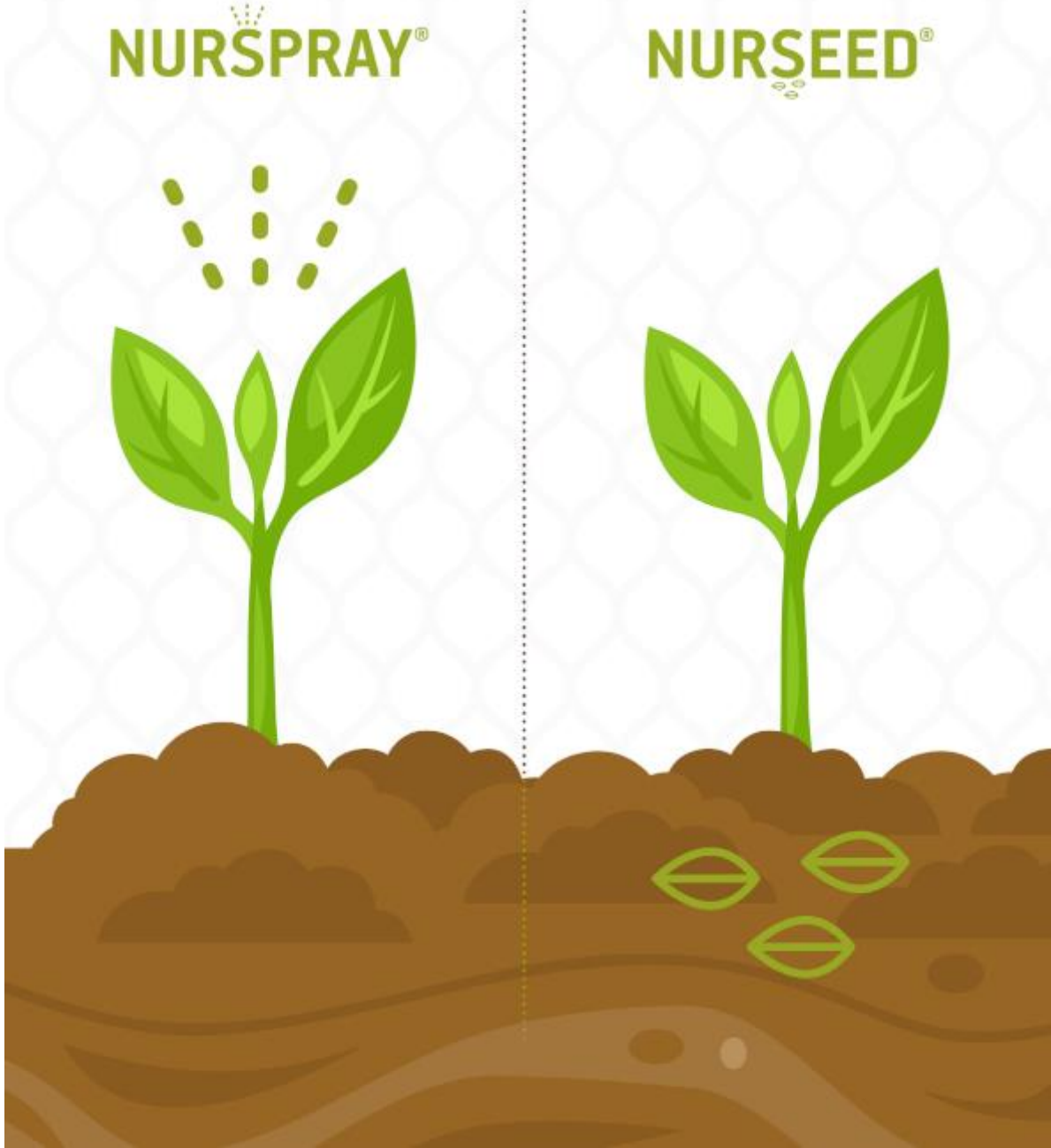
@FTTEKO we develop and produce proprietary biobased molecules that are:
- 100% biobased (plant origin)
- Chemically defined structure
- Safe to use
- Eco-friendly

SM SIGNAL MOLECULE

- Enhance tolerance to water stress
- Reduce internal crop’s damage due to abiotic stress

- Non toxic
- Safe for the operator and the environment
- A sustainable solution

- Help maintain soil biodiversity
- Compatible with sustainable farming



2014

Incorporation
Prototype Bioactive

2015

Innoviris RISE Grant

Patent submission

2016

Manufacturing scale-up
Formulations development
1st field trials

1st round invest.
(Seed round)

2017

Eurostar R&D Grant

Improvement of Formulations
Belgian Registration

2018-19

Evaluation agreements
Start int. registrations
Patent national phases (PCT)

2nd round invest.
(Series A)

2020-22

H2020 EIC Accelerator Grant (2,7 M€)

Go to Market – Start Sales
- Large scale DEMO
- Commercial agreements
- Registrations obtention

Additional patent(s)
Additional R&D

Planned 3rd round invest.
(Series B)

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Our vision is one where the world's farmers can feed a growing global population using safe and sustainable inputs.

We believe in a more sustainable agriculture.
With original research, we're making it happen.