--- proizvodnja biognojiva / biostimulatora ---

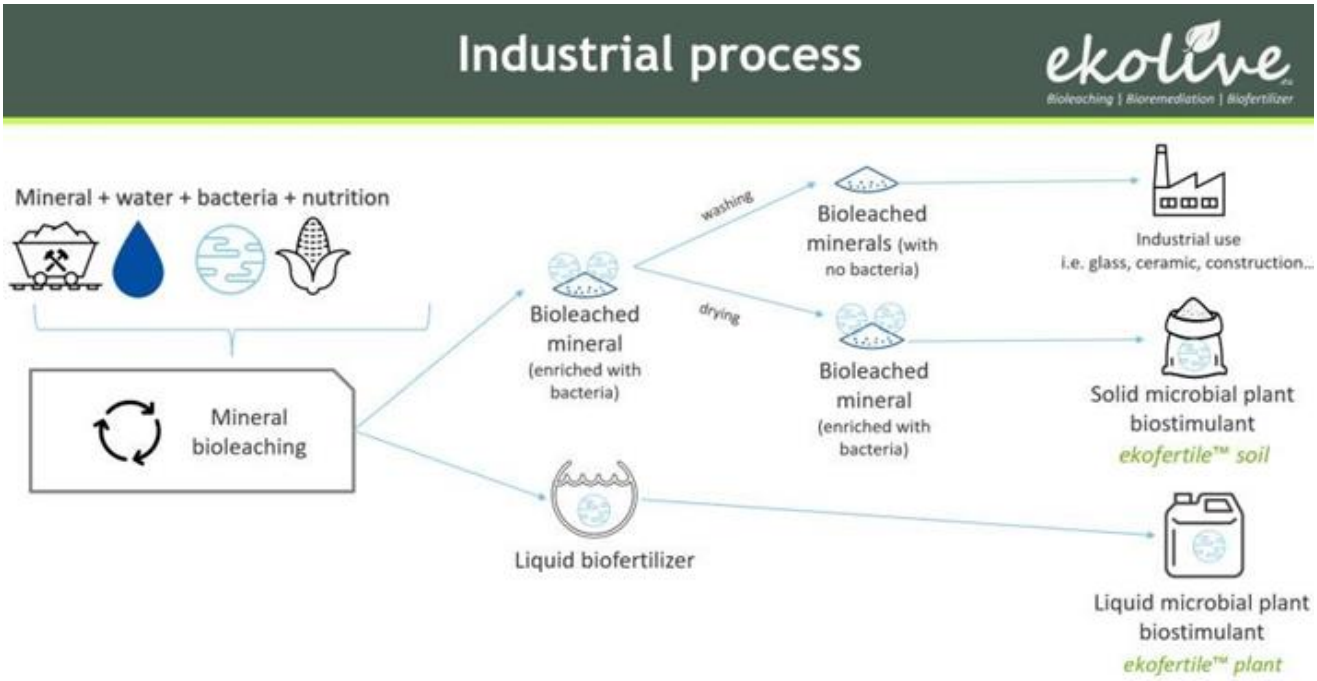
U SURADNJI S EKOLIVE S.R.O

ekofertile™ plant

Mikrobni stimulans biljaka – PFC 6(A)

ekofertile™ soil

Mikrobni stimulans tla – PFC 6(A)



U SURADNJI S EKOLIVE S.R.O

ekolive

VICTORY ORGANICS d.o.o.
Kandlerova 8
52100 Pula

Kontakt
Telefon: +385 99 4664 888
Mail: info@victory-organics.com
Web: www.victory-organics.com
Web: www.victory-minerals.com

Matični broj tvrtke: 130087552
Trgovački sud Pazin (HRVATSKA)
PDV: HR7700103466

Rezultati

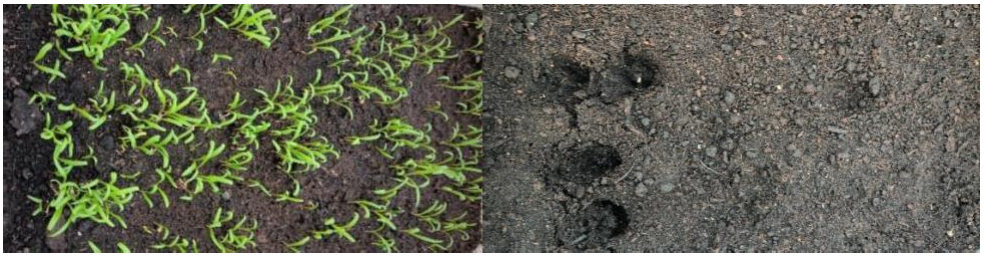
Bosiljak (lijevo sa *ekofertile™ plant*, desno bez); Hrvatska – 6 tjedana

Krumpiri (ispod sa *ekofertile™ plant*, iznad bez); Mađarska – 14 tjedana
– Veličina i količina krumpira značajno se povećala –

Čili (lijevo sa *ekofertile™ plant*, desno bez); Hrvatska – 6 tjedana
– Novo cvijeće i lišće –

Začinsko bilje (Thymus serpyllum) (lijevo sa *ekofertile™ plant*, desno bez); Slovačka – 4 tjedna

Začinsko bilje (Melissa officinalis) (lijevo sa *ekofertile™ plant*, desno bez); Slovačka – 4 tjedna
– Nicanje novih listova –



Špinat (lijevo sa *ekofertile™ plant*, desno bez); Hrvatska
– Značajno brži razvoj –

Špinat (lijevo sa, dsno bez *ekofertile™ plant*); Hrvatska
– Veća masa i veći listovi –

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Jagode (lijevo sa *ekofertile™ plant*, desno bez); Hrvatska
– Značajno brži razvoj ploda –

Zumbul (sa i bez *ekofertile™ plant*); Hrvatska
– Veća korijenska masa i listovi, znatno dulje cvjetanje –

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Trava (lijevo bez, desno sa *ekofertile™ plant*); Hrvatska
– Veća masa korijena –

Origano (lijevo sa *ekofertile™ plant*, desno bez); Hrvatska
– Veća masa listova –

Peršin (lijevo sa *ekofertile™ plant*, desno bez); Hrvatska
– Značajno veća masa listova–

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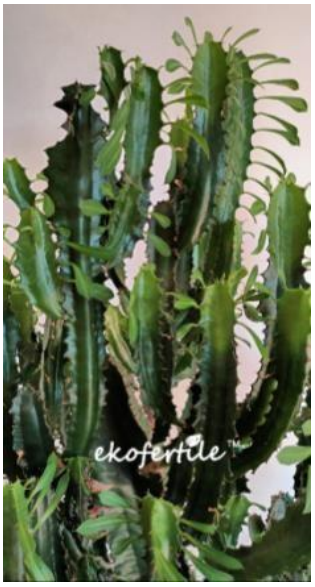

Kaktus sa *ekofertile™ plant*; Hrvatska

– Mnogo novih izdanaka –

Lavanda (lijevo sa, desno bez *ekofertile™ plant*) – Hrvatska

– Veća masa listova –

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Znanstvena referenca

John R. Lamont, Olivia Wilkins, Margaret Bywater-Ekegärd, Donald L. Smith, From yogurt to yield: Potential applications of lactic acid bacteria in plant production, Soil Biology and Biochemistry,Volume 111,2017, Pages 1-9, ISSN 0038-0717, https://doi.org/10.1016/j.soilbio.2017.03.015.

Dokazane primjene i učinci (od različitih autora)

Species	Crop	Effect	Proposed Mechanism	Citation
Lactobacillus plantarum	Radish	Increased yield	None	Higa and Kinjo, 1991
Lactobacillus acidophilus	Tomato	Increased shoot branching, shoot and root growth	None	Hamed et al., 2011
Lactobacillus sp.	Tomato	Increased shoot branching, shoot and root growth	None	Hamed et al., 2011
Lactobacillus plantarum	Tomato	Increased shoot branching, shoot and root growth	None	Hamed et al., 2011
LAB	Tomato	Increased germination rate	None	Lutz et al., 2012
Lactobacillus plantarum	Tomato	Increased shoot and root growth	Bacteriogenic metabolites	Limanska et al., 2013
Lactobacillus plantarum	Tomato	Increased germination rate, shoot and root growth	Bacteriogenic metabolites	Limanska et al., 2013
Lactobacillus plantarum	Tomato	Increased germination rate, root growth	Bacteriogenic metabolites	Limanska et al., 2013
Lactobacillus acidophilus	Wheat	Increase height and chlorophyll content	Bacteriogenic IAA	Mohite, 2013
Lactobacillus casei	Cucumber	Increased germination rate, inhibited seedling growth	None	Rzhevskaya et al., 2014
Lactobacillus lactis	Cucumber	Increased seedling growth rate	None	Rzhevskaya et al., 2014
Lactobacillus plantarum	Cucumber	Increased germination and seedling growth rate	None	Rzhevskaya et al., 2014
Lactobacillus sp.	Pepper	Increased root length, shoot length, root fresh weight and chlorophyll content	Bacteriogenic IAA, phosphate solubilization	Shrestha et al., 2014
Unidentified LAB	Pepper	Increased root length, shoot length, root fresh weight and chlorophyll content	Bacteriogenic IAA, phosphate solubilization	Shrestha et al., 2014
Unidentified LAB	Pepper	Increased root length, shoot length, root fresh weight and chlorophyll content	Bacteriogenic IAA, phosphate solubilization	Shrestha et al., 2014
Lactobacillus plantarum	Wheat	Osmotic stress alleviation	Bacteriogenic NO signaling	Yarullina et al., 2014
Lactobacillus plantarum	Cucumber	Increased growth, nutrient uptake and amino acid content	Increased nutrient availability via succinic acid and lactic acid production	Kang et al., 2015
LAB	Citrus seedling	Increased height, stem diameter, dry root and shoot weight	Phosphate solubilization, nitrogen fixation	Giassi et al., 2016
Lactobacillus plantarum	*Swertia chirayita*	Salt stress alleviation	Altered plant stress response	Phoboo et al., 2016