

RhizoVital[®] C5

**The next generation bacterial
inoculant ensuring that your
plants grow strong and healthy**



Andermatt
Biocontrol



**where Nature
leads Innovation**

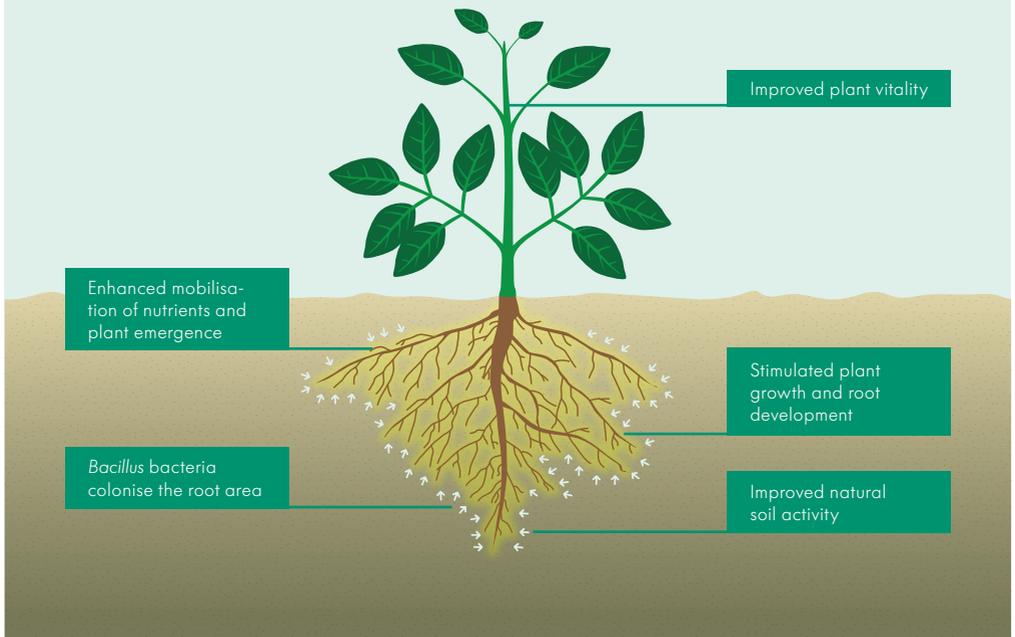
RhizoVital C5 – the good bacteria for the soil

RhizoVital C5 is a biostimulant containing spores of the soil bacterium *Bacillus atrophaeus* ABi05 ($>2.5 \times 10^{10}$ cfu/ml). After application, the spores germinate and colonise the young growing roots. The bacteria release enzymes and further compounds which stimulate plant growth and mobilise plant nutrients.

- ✓ *Bacillus atrophaeus* ABi05
- ✓ High concentration: 2.5×10^{10} cfu/ml
- ✓ Germination at 8 °C soil temperature
- ✓ Easy storage: 2 years at < 25 °C
- ✓ Highly compatible (with plant protection products and fertilizers)

Ensures that your plants grow strong and healthy!

RhizoVital C5 helps the plant to build more and stronger roots and to improve its tolerance towards abiotic stress (water deficiency, salinity). RhizoVital C5 is already active at very low soil temperatures (8 °C) and favours a healthy plant development, also during cold periods. **RhizoVital C5 is your insurance** to overcome and cope better with unfavourable conditions (e.g. water stress, sudden drop in temperatures) and therefore always has to be applied as early as possible. For these reasons RhizoVital C5 increases plant growth and effects higher yields.



Application

Use RhizoVital C5 as an integral part of a future oriented production strategy. The application is highly recommended in almost any crop. Application is recommended as early as possible, preferably at sowing or shortly after. RhizoVital C5 is highly compatible and can be flexibly mixed with other plant protection and plant nutrition products. In combination with fertilisers, fungicides or conventional seed treatments, synergistic effects can be achieved.

Horticulture

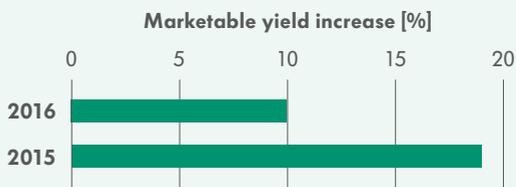
RhizoVital C5 can be applied as a seed treatment, by watering or spraying before or just after planting or sowing. RhizoVital C5 can also be directly injected into fertigation- or hydroponic systems.

Onions



Yield increase after directed band treatment at sowing with ABi05, compared to untreated control.
(Source: AgroNord, Sanitz, Germany, 2016)

Carrots



Yield increase after directed band treatment at sowing with ABi05 (0.5 l/ha), compared to untreated control.
(Source: AgroNord, Sanitz, Germany)

Potatoes

Apply RhizoVital C5 on seed potatoes by dipping, spraying, or directly as an in-furrow application during planting.

- Improved plant emergence and root development
- Improved plant emergence and tuber formation
- Increased yield of 5 to 10% (average over several years)

Potatoes

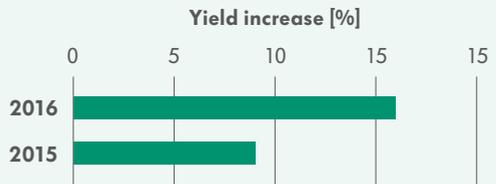


Yield increase after directed band treatment at sowing with ABi05 (1 l/ha), compared to untreated control. (Source: AgroNord, Sanitz, Germany)

Cereals

RhizoVital C5 seed treatments help to produce higher yields, especially in poor or dry soils. It can also be used in combination with conventional seed coatings or mineral fertilisers.

Maize (Corn)



Yield increase after directed band treatment at sowing with ABi05 (0.5 l/ha), compared to untreated control. (Source: AgroNord, Sanitz, Germany)

Application methods

- Seed treatment or in-furrow spray
- Watering or spraying on soil surface
- Injection into fertigation- or hydroponic systems
- In combination with plant protection products or fertilisers
- Root dipping
- Mixing into soils and substrates

Application rates

Crop	Application rate*	Application method
Potato	0.5–1 l/ha or 0.1 l/500 kg tubers	 / 
Tomato, cucumber, others	1–2 l/ha	2 ×  / 
Lettuce	0.5 l/ha	 / 
Carrots, turnip, cabbage, others	0.5 l/ha	 + 
Strawberry	1 l/ha	2 ×  / 
Cereals (maize, grains, rice)	0.2 l/100 kg seeds	
Seeds (ornamentals, vegetables etc.)	0.2–0.5 l/100 kg seeds	
Herbs	1 l/ha	 / 
Bulbs	1–2 l/ha	 / 
Ornamentals	1–2 l/ha	2 ×  / 
Turf	1 l/ha	2 ×  / 
In hydroponics	1–2 l/ha	

Depending on the crop, re-application is recommended after 4 to 6 weeks

 seed treatment  dipping  watering  spraying  Hydroponics

* All indications given for liquid formulation

PRODUCT-FACTS

Formulation

The standard formulation is liquid, but RhizoVital C5 can also be provided in different powder formulations or as raw material e.g. for the formulation with fertilisers, seed coating etc.

Storage

RhizoVital C5 can be stored at room temperature for 2 years.

RhizoVital C5

- ✓ **Increases crop yield**
- ✓ **Improves root growth and nutrient mobilisation**
- ✓ **Enhanced plant emergence**
- ✓ **Well mixable with fertilisers and plant protection products**
- ✓ **Easy to store and apply**
- ✓ **Fully compatible with organic and residue free production**

