

RhizoVital® C5

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



Andermatt
Biocontrol



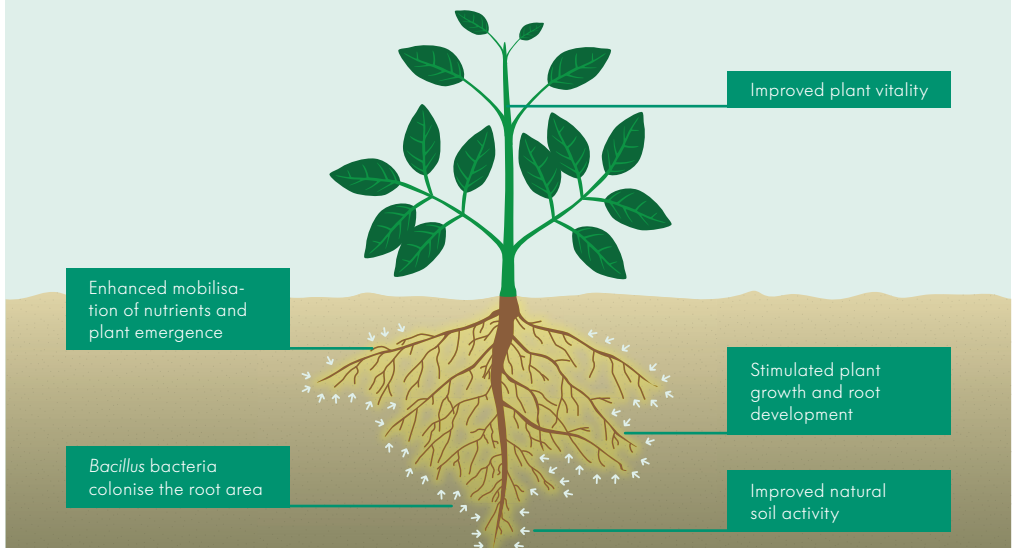
RhizoVital C5 – the good bacteria for the soil

RhizoVital C5 is a biostimulant containing spores of the soil bacterium *Bacillus atropheus* 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 atropheus* 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 fertilisers

Ensures that your plants grow strong and healthy!

RhizoVital C5 helps the plant to build a strong and healthy root system and to improve its tolerance towards abiotic stress (water deficiency, salinity). RhizoVital C5 is already active at very low soil temperatures (8 °C) and hence favours a healthy plant development, also during cold periods. Consequently, application of RhizoVital C5 results in increased plant growth and higher yields. **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.



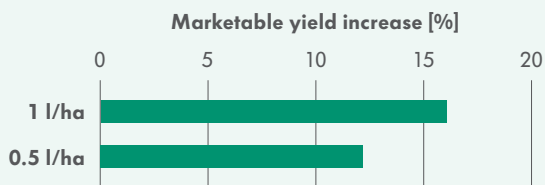
Application

Use RhizoVital C5 as an integral part of a future oriented production strategy. A first application at sowing or planting is highly recommended for any crop. 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

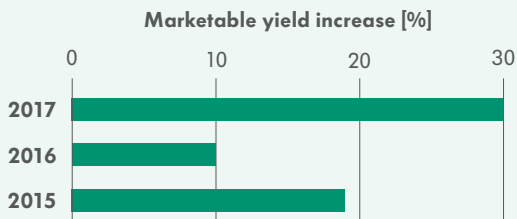
RhizoVital C5 can be applied as a seed treatment, by watering or spraying before or just after planting or sowing. RhizoVital C5 can also be directly injected into fertigation or hydroponic systems.

Onions



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

Carrots



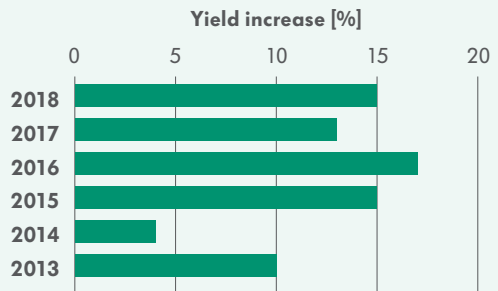
Yield increase after directed band treatment at sowing with ABi05 (0.5 l/ha), compared to untreated control.
(Source: AgroNord, Sanitz, Germany)

Potatoes

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

- Improved nutrient mobilisation and plant emergence
- Improved root development and tuber formation
- Increased yield

Potatoes

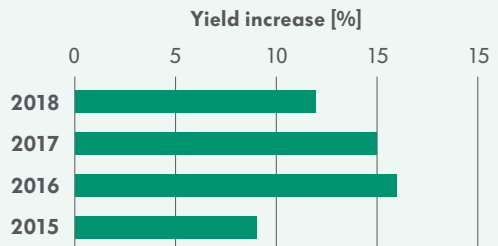


Yield increase after directed band treatment at sowing with ABi05 (1 l/ha), compared to untreated control. (Source: AgroNord, Sanitz, Germany)

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
- Root dipping
- Mixing into soils and substrates
- In combination with plant protection products or fertilisers

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 and seed coating.

RhizoVital C5

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

