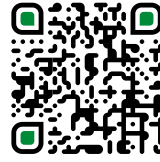


# Root MICROSENSE®

Soil  
Seed  
Root



Made in Germany



## ROOT ENHANCEMENT

Germination, rooting and the adaptation to the field can be streamlined with **MICROSENSE® Root**. Microbial organisms producing natural hormones such as Auxin and Gibberellin are combined with natural organic acids, amino acids and fulvic and humic acids to accelerate seed germination, boost root length and density and raise rhizospheric activity. Amino acids such as Lysine, Valine, Serine, Tryptophan and Glutamate optimize rooting in plants produced from seeds and cuttings. Improving germination and rooting affects nutrient uptake efficiency, accelerates growth rate and leads to higher yields.

## BENEFITS & RECOMMENDED APPLICATION

- Optimizes seed germination and root development from cuttings
- Increases vigor of seed germination
- Reduces soil compaction causing germination difficulties
- Minimizes damages caused by low temperature
- Leads higher yields
- Accelerates plant growth
- Increases fertilizer use efficiency with less nutrient leaching
- Promotes root respiration and vertical development
- Improves soil quality
- Regenerates degraded soil
- Increases soil biodiversity and biological activity in the rhizosphere
- Boosts root length and density

### FIELDS OF APPLICATION

- Open field and Greenhouse
- Agriculture
- Vegetable Production
- Fruit Production
- Substrate Cultivation
- Turf and Landscaping
- Seed Treatment

### RECOMMENDED APPLICATION RATES\*

Soil	Total amount/vegetation period 4 – 6 L / Ha (1 – 2 L / Ha per application)
Foliar	0.15 – 0.5 L / Ha via spaying
Substrates	0.30 – 0.50 L / m <sup>3</sup>
Seeds	1 L / 1 ton seed
Hydroponics	20 – 40 ml / 1.000 L nutrient solution during cultivation cycle

\* Standard recommendations that can vary according to soil properties, cultivated crop and local application conditions.

### SHAKE WELL BEFORE USE

Please remind to shake well the bottle or container prepared mix well before use.



### BLEND USE NOTICE

Before use in combination with other agents, first preparation of a sample mix in a small scale is recommended to avoid any risk of flocculation.



### PREPARATION OF MIXTURE

Make sure sufficient amount of solution is added to half water filled tank while agitator is running. Add additional substances or crop protection agents before filling the tank fully with water.



### INHERENT COMPOSITION\* (Typical values based on Fresh Matter)

Humic Acid	10 %	Azospirillum Brasseliense	1x10 <sup>7</sup> CFU/ml
Total Amino Acid	7 %	Nitrogen (N)	2 %
Bacillus Subtilis	1x10 <sup>7</sup> CFU/ml	Zinc (Zn)	1.5 %
Bacillus Megaterium	1x10 <sup>7</sup> CFU/ml	pH	4 – 5
Azotobacter Chroococcum	1x10 <sup>7</sup> CFU/ml	Density	1.15 – 1.16 g/cm <sup>3</sup>

\* Humintech keeps the right to change the composition of the product.

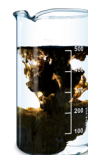
### CONDITIONS FOR SAFE HANDLING AND STORAGE

Store in a dry area, protected from frost, heat and direct sunlight.

**KEEP OUT OF THE REACH OF CHILDREN, PETS AND FOOD**



### DELIVERY SPECS



Bottle  
1 L

Canister  
5 / 10 / 20 L

IBC  
Container



German technology



Administration & Distribution: **HUMINTECH GMBH**

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