

## Composition

	%w/v
Manganese (Mn)	15,0
Zinc (Zn)	14,0
Copper (Cu)	6,0
Free Aminoacids	3,0
Density	1,56
pH	6-7



Product suitable for use in Ecological Agriculture in accordance with Regulations (EU) No. 2018/848 and 2021/1165. Control ECOCERT SA F – 32600



## Characteristics

**XMicr** Is a formulation of probiotic micro nutrients and a stable source of copper, manganese and zinc to ensure maximum assimilation.

**XMicr** complexed with Aminoacids ensures efficient and effective uptake of zinc, manganese and copper to optimize micronutrients nutrition of the plant that can help suppress certain external and internal plant stresses. It is a highly concentrated micronutrients solution designed to improve plant nutrition and vigor. **XMicr** is compatible with plant growth regulators, pesticides and other liquid fertilizers

## Benefits of XMicr

- Increases the levels of Copper Manganese and Zinc
- Increase the vigor of crops
- Decreases disease risk
- Contains essential nutrients for the formation of chlorophyll, enzymes and proteins

## Influence of micronutrients on plants

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|------------------|--|
| <b>Manganese</b> | <ul style="list-style-type: none"> <li>• Predominant in metabolism of organic acids</li> <li>• Activates the reduction of nitrite and hydroxylamine to ammonia</li> <li>• Role in important enzymes involved in respiration</li> </ul>   |
| <b>Zinc</b>      | <ul style="list-style-type: none"> <li>• Formation of growth hormones (auxin)</li> <li>• Seed an grain formation</li> <li>• Promotes maturity</li> <li>• Protein synthesis</li> </ul>  |
| <b>Copper</b>    | <ul style="list-style-type: none"> <li>• Major function in photosynthesis</li> <li>• Major function in reproductive stage</li> <li>• Indirect role in chlorophyll production</li> <li>• Increases sugar content</li> <li>• Intensifies colour</li> <li>• Improves flavor in fruits and vegetables</li> </ul> |


## Application

Crops	L/Ha	Problem/Target	Details
<b>CEREALS</b>	1-1,5 1-1,5 0,5-2	Shocking, yield, N-efficiency N-efficiency, photosynthesis performance, winter hardness Seed dressing with nutrients for improved youth development	In the spring from the start of vegetation In the autumn from 3-leaf stage Seed treatment
<b>POTATOES</b>	1-2	Shell quality, resistance	1-2 times from start of series
<b>SOYA</b>	1-1,5	Photosynthetic performance, resistance, winter hardness	1-2 times from 6-leaf stage
<b>CORN</b>	2	Yield, photosynthesis performance, resistance	From 4-leaf stage
<b>RAPE</b>	1 1	Yield, photosynthesis performance, resistance, winter hardness Yield, photosynthesis performance, resistance, winter hardness	1-2 times in spring from start of vegetation to early flowering In the autumn from 4-leaf stage
<b>SUNFLOWER</b>	1	Yield, photosynthesis resistance	From 4-leaf stage
<b>SUGAR BEET</b>	1	Yield, photosynthesis resistance	1-2 times from 6-leaf stage

**XMicr** is miscible with the usual plant protection agents. However a mixture test is advisable. For mixtures with leaf fertilizers or plant protection products, fill the syringe to 2/3 with water and add the products individually, add **XMicr** as the last component. Immediately apply with constant stirring.

**XMicr** is stable for at least 2 years since manufacturing date. Store in the closed original container in a cool and ventilated area. DO NOT store in direct sunlight. Keep away from food and animal feed. Keep out of the reach of children.



 SHAKE WELL BEFORE USE



**YIELD, QUALITY AND  
PROTEIN CONTENT**