

# AMALGEROL<sup>®</sup> ESSENCE

All-round stress protection for your plants

- ▶ Activates plants and soil for increased stress tolerance
- ▶ Promotes root formation and increases plant growth
- ▶ For reliable yields in every situation!

Purely organic biostimulant

**100% GMO-free**

**100% natural raw materials**

AMALGEROL ESSENCE is approved for organic farming.







### Abiotic stress factors are now causing more damage to crops...

...than diseases, parasites and weed pressure combined, according to a study by the Technical University of Munich. This makes it essential to **protect your crops from stress**.

### Strengthen plants preventively instead of treating diseases

Drought, heat, late frosts, heavy rain, and storms, as well as soil compaction, erosion, humus deficiency, and side effects of plant protection, expose our plants to **multiple stresses** over many days and weeks. Therefore, it is crucial to **strengthen plants preventively to increase their resistance** to these stresses.



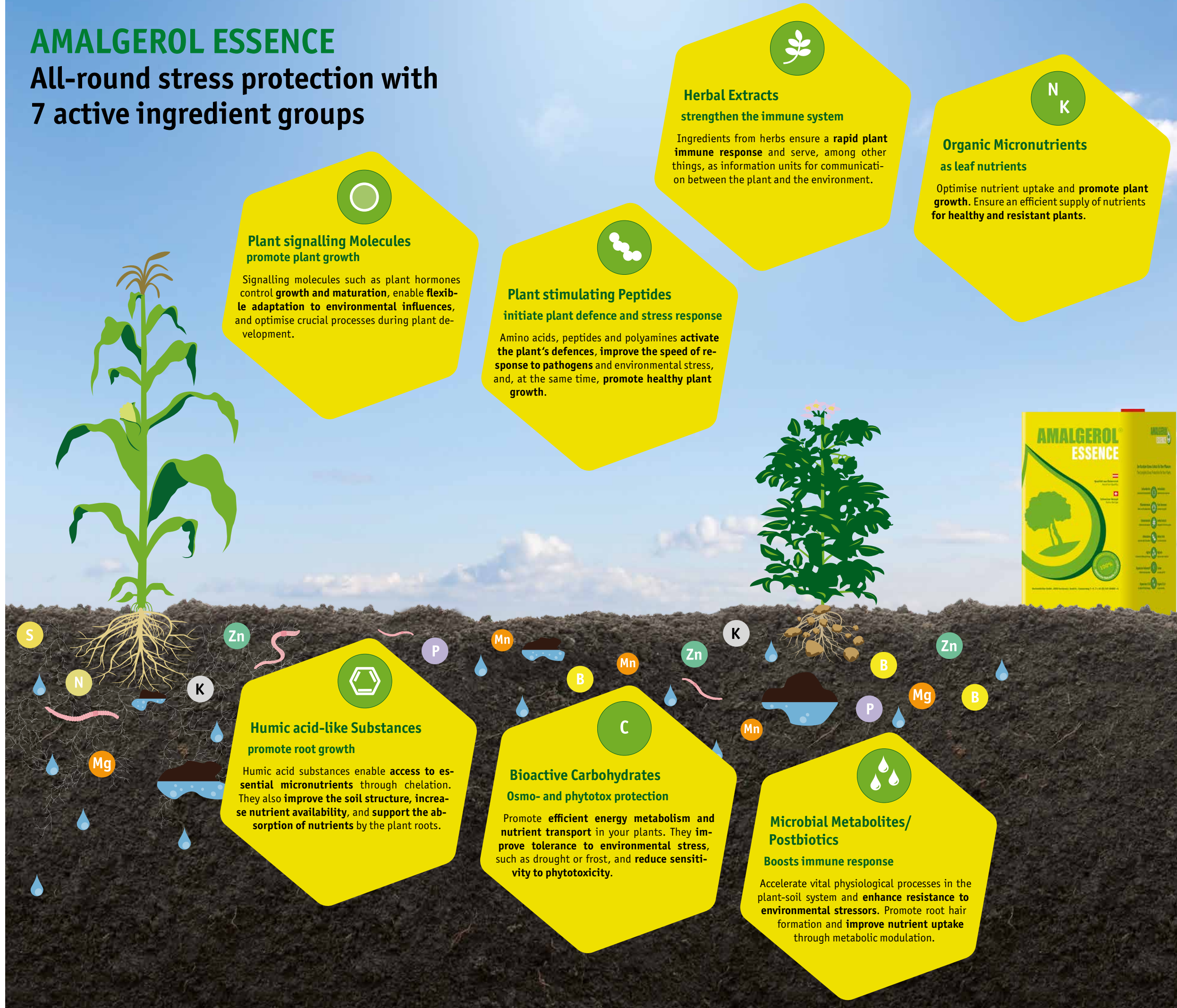
### Strengthening the immune system and protecting against stress

AMALGEROL Essence **enhances the plant's immune system** and effectively **supports it in coping with stress**. As a result, the plants thrive better and ensure a higher yield.

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## All-round stress protection with 7 active ingredient groups



**Plant signalling Molecules**  
promote plant growth

Signalling molecules such as plant hormones control **growth and maturation**, enable **flexible adaptation to environmental influences**, and optimise crucial processes during plant development.

**Plant stimulating Peptides**  
initiate plant defence and stress response

Amino acids, peptides and polyamines **activate the plant's defences**, **improve the speed of response to pathogens** and environmental stress, and, at the same time, **promote healthy plant growth**.

**Herbal Extracts**  
strengthen the immune system

Ingredients from herbs ensure a **rapid plant immune response** and serve, among other things, as information units for communication between the plant and the environment.

**Organic Micronutrients**  
as leaf nutrients

Optimise nutrient uptake and **promote plant growth**. Ensure an efficient supply of nutrients for **healthy and resistant plants**.

**Humic acid-like Substances**  
promote root growth

Humic acid substances enable **access to essential micronutrients** through chelation. They also **improve the soil structure**, **increase nutrient availability**, and **support the absorption of nutrients** by the plant roots.

**Bioactive Carbohydrates**  
Osmo- and phytotox protection

Promote **efficient energy metabolism and nutrient transport** in your plants. They **improve tolerance to environmental stress**, such as drought or frost, and **reduce sensitivity to phytotoxicity**.

**Microbial Metabolites/Postbiotics**  
Boosts immune response

Accelerate vital physiological processes in the plant-soil system and **enhance resistance to environmental stressors**. Promote root hair formation and **improve nutrient uptake** through metabolic modulation.





# AMALGEROL Essence strengthens a diversity of cultures

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**Wheat** ▶ Faster plant development ▶ Increase in productivity ▶ Increase in crop yield ▶ Higher protein content in the grain ▶ Improved soil penetration

**Maize** ▶ Increased yield due to better cob and grain filling ▶ More root mass and stronger stems ▶ Fast development from germination to flowering

**Oilseed rape** ▶ Better overwintering through autumn treatment ▶ More pods per plant with increased 1000-grain weight ▶ Increased tolerance to pesticide treatment

**Potato** ▶ Increased yields and increased starch content ▶ More uniform size distribution of the harvested tubers ▶ Healthier plants and a reduction in herb and tuber infections

**Sunflowers** ▶ Increased yield and increased oil content ▶ Faster growth in the first phases of development ▶ Healthier plants and, therefore, increased pathogen tolerance

**Apple** ▶ Increased yield due to more flowers and larger fruits ▶ More uniform ripening and size classes ▶ Protection against frost and sunburn

**Wine** ▶ Increased chlorophyll content leads to better plant performance ▶ Even berry development and higher Brix number ▶ More yeast-assimilable nitrogen (YAN)

**Pumpkin** ▶ Increased plant growth and higher yield ▶ Healthier plants and less rot ▶ Better storage life

**Carrot** ▶ Increased plant vitality and higher yield ▶ Reduced penetration resistance in the upper soil layers and thus better root formation ▶ Significant increase in soil activity



Rapeseed | Kachowka/Ukraine

**+17% yield**  
Yield increase from 3,81 to 4,46 t/ha with 2 x 3 l/ha in spring



## Product information

### Organic-based liquid biostimulant

AT: Organic fertiliser, individually approved under Section 9 of the Fertilizer Act 2021

EN: Organic NK fertiliser, liquid

CH: Organic fertiliser solution

### Ingredients

3% nitrogen (N)  
3% potassium oxide (K<sub>2</sub>O), water-soluble  
39% organic substance (corresponds to 75% in dry matter)

**pH value:** 5-6

**AMALGEROL ESSENCE** complies with Regulation (EU) 2018/848 as amended and is therefore **approved for organic farming**.

### Packaging units

Canister 15 l; 45 x 15 l/Pal.

Pallet tank 1000 l



Grain maize | Amstetten/Austria

**+1400 kg/ha additional yield**  
Increased from 14,5 t/ha to 15,9 t/ha



Cabbage | Gerbersdorf/Austria

**+17,6 % yield = +1150 €/ha**  
Perfect shelf life in storage, less cleaning loss



Potato | St. Andrä/Austria

**+7,2 t/ha additional yield**  
Increase in saleable goods by +12 %



Soya | Innviertel/Austria

**+390 kg/ha resa aggiuntiva**  
Yield increase from 3,0 to 3,4 t/ha (13 % moisture)  
+ 0,6 % protein content



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