

# AMINO POWER<sup>®</sup> Liquid 50

made in Germany



## PRO-ACTIVE PLANT BIOSTIMULANT

**AMINO POWER<sup>®</sup> Liquid 50** is a liquid organic biostimulator based on amino acids and peptides. Amino acids act as natural complexing agents to various nutrients and stimulate the plant's absorption of dissolved nutrients from the soil and foliar applications with trace elements. Therefore, it is widely used as a foliar fertilizer in combination with other water-soluble fertilizers and with almost all commercial plant protection agents to enhance their efficiency.

Due to the excellent surface adhesion of **AMINO POWER<sup>®</sup> Liquid 50**, the absorption of trace nutrients through the leaf surface is improved. The direct benefit of amino acids is that they will be taken up by the roots and leaves and are readily available as building blocks for protein biosynthesis. This saves energy for other plant metabolic processes such as yield formation. Amino acids and peptides are a further nitrogen source for the plant while N mineralization takes place in the soil. **AMINO POWER<sup>®</sup> Liquid 50** can be mixed with other fertilizers and used as a foliar application, in hydroponic systems or applied as normal in the root zone (Pre-mixing test advised).

## BENEFITS & RECOMMENDED APPLICATION

- Chelating and complexing of nutrients
- Stimulates nutrient uptake by the root system and through the leaf surface
- Benefits the energy balance of plants
- Provides amino acids for direct absorption
- Has a positive influence on plant protein biosynthesis
- Increases biomass production and yield
- Increases the tolerance of plants towards abiotic stress (drought, heat, cold, salt)
- Improve the capacity of yields

### FIELDS OF APPLICATION

- Agriculture
- Vegetable Production
- Fruit Production
- Substrate Cultivation
- Hydroponics
- Turf and Landscaping
- Seed Treatment

### RECOMMENDED APPLICATION RATES\*

Soil	5 – 7 L/ha against abiotic stress divided into several applications (2 – 3 L/ha) during the vegetation period
Foliar	0.3L/100 L water every two weeks during the vegetation period
Substrates	1 L/m <sup>3</sup>
Seeds	0.3 % or 300 mL/100 kg seeds as dressing according to thousand grain weight (T.G.W.)
Hydroponics	5 – 10 ml/1000 L nutrient solution during the cultivation cycle

\* These are standard recommendations that can vary according to soil properties, cultivated crop and local system conditions.

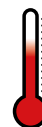
### INHERENT COMPOSITION (Typical values based on Fresh Matter)

Amino Acids / Peptides	50 %	Organic Substance	50 %
Free Amino Acids	3 %	pH – value	5 – 6,5
Organic Nitrogen	9 %	Density	1.2 kg/L
Dry Matter	55 %		

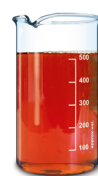
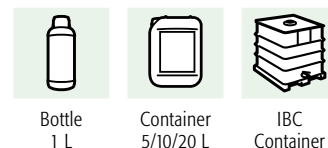
### STORAGE

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

STORE OUT OF THE REACH OF CHILDREN



### DELIVERY SPECS



German technology

Administration & Distribution: **HUMINTECH GMBH**

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