

# COMPLEX

**Complex** is formulated with enzymatically hydrolyzed, biologically active free **Amino acids** and a **complex of Metabolites**, combined with fulvic acids, and plant extracts.

The natural Amino acids and Metabolites in **Complex** support plant maintenance, growth, vitality, and reproduction by supplying additional energy through the Krebs cycle and enhancing stress resistance. The fulvic acids improve the uptake of these amino acids, while the plant extracts provide a strong antioxidant effect.

This leads to enhanced plant and crop performance, including improved colour, larger foliage, more developed and active root systems, increased flowering, and higher yields with more or larger fruit, resulting in overall healthier crops.



## Benefits

- **Increases photosynthesis activity and chlorophyll content**
- **Increases nutrient uptake and utilization rate of mineral nutrients**
- **Improves efficiency of fertilizer and plant protection treatments**
- **Rapid recovery from critical situations**
- **Improves fruit set and quality**

## Composition

	(w/w)		(w/w)
<b>Free amino acids</b>	17%	Total amino acids	24%
Organic carbon	15%	Dry matter	35%
Organic nitrogen	4.0%	Total nitrogen	4.0%
<b>Fulvic acid</b>	1%	<b>Plant extract</b>	1%
<b>Biologically Active Metabolites</b> (incl. Bile acids, Lipids, Carbohydrates, Nucleotides Peptides)			>150
Specific weight	1.15 kg/ltr	pH	4.8-5.8

## Application rate

### Foliar application:

Row/field crop: 0.15-1 l/ha (2-3mL/L water)

Fruits/Vegetables: 0.5-2 l/ha (2-3mL/L water)

Apply in the early morning or late evening and clean equipment after use.

### Drip irrigation:

1-3 l/ha

Administer the first drip irrigation moments early in the morning so that the pipes are clean during the night.

Repeat the application every 10-15 days during the growth season.

### Application time:

It is advisable to use it during periods when the crop needs a physiological stimulus, such as:

- Start of the plant's vegetative cycle, as soon as it has sufficient leaf mass
- Pre-flowering and petal-falling phase
- Fruit development

**complex** is also recommended when the crop is subjected to adverse conditions (drought, cold, wind, root asphyxia, etc.) and in treatments for plant recovery following critical periods (transplants, damage due to frost, hail, wind, etc.).

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## Free Amino Acid Profile

## g/kg product

Alanine	11.28
Arginine	4.64
Aspartic acid	11.04
Cystine	0.4
Glutamic acid	13.28
Glycine	7.52
Histidine	4.72
Hydroxiprolin	0.35
Isoleucine	8.48
Leucine	16.64
Lysine	14.16
Methionine	4.4
Phenylalanine	7.76
Proline	8.56
Serine	8.56
Taurine	0.88
Threonine	9.5
Tyrosine	7.04
Valine	10.88
Tryptophan	1.8

*\*above mentioned figures are indicative*

## Storage information

Product is stable when stored under normal undiluted conditions. The original product in the state in which it is delivered is hazard-free concerning the transmission of pathogens. Close package properly after the use, store in a frost-free place and avoid storage at direct sunlight! Shake well before use.



The product is produced in conformity with EU Directives 837/2007 and 889/2008 and is therefore permitted for ecological growing.

