

**Aminocore Complex** is formulated with enzymatically hydrolyzed, biologically active free **Amino acids**, **low molecular weight peptides** and a **complex of Metabolites** obtained by the exclusive **MetaCore™** technology, combined with fulvic acids, and plant extracts.

The natural Amino acids, low molecular peptides and Metabolites in **Aminocore 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



## 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/l | 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, petal-falling phase and fruit development
- Combined with chemical treatments to reduce stress
- Combined with fertilizer applications to increase their uptake
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**Aminocore 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.).

## 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   |



## Packaging

|                   |                         |
|-------------------|-------------------------|
| <b>IBC:</b>       | <b>1000 L</b>           |
| <b>BARREL:</b>    | <b>220 L</b>            |
| <b>CANNISTER:</b> | <b>5, 10 &amp; 20 L</b> |
| <b>BOTTLES:</b>   | <b>1 L</b>              |



**MetaCore™ Technology**  
Biological complexity. Preserved by design.

*\*above mentioned figures are indicative*

## Peptide groups

## Function

|                                |                                                        |
|--------------------------------|--------------------------------------------------------|
| PSK (Phytosulfokine)           | Promotes cell division and plant growth                |
| RGF/CLEL (Root Growth Factors) | Support root meristem maintenance and root development |
| PEP (Plant Elicitor Peptides)  | Activates plant's natural defense responses            |

## Metabolites

## Function

|               |                                                                              |
|---------------|------------------------------------------------------------------------------|
| Bile acids    | Triggering plant protection responses                                        |
| Lipids        | Key signaling molecules regulating growth and environmental stress responses |
| Carbohydrates | Provide energy, transport nutrients, regulate internal water balance         |
| Nucleotides   | DNA and RNA building blocks and regulators that driver photosynthesis        |



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