

Aminocal is formulated with enzymatically hydrolyzed, biologically active free **amino acids**, **peptides** a **complex of Metabolites** obtained by the exclusive **MetaCore™** technology and natural chelated **Calcium** to deliver yields that are higher in quality and quantity.

The natural Amino acids, peptides and Metabolites in **Aminocal** supports plant maintenance, growth, vitality and reproduction by supplying additional energy through the Krebs cycle and enhancing stress resistance.

The natural chelated Calcium corrects the main physiological disorders of calcium deficiency and improves the firmness of green tissues and fruits, extending the crop's shelf life. This results in improved plant and fruit colour, larger leaves, longer roots, more flowers, more fruit and/or larger fruit.



AMINOCAL
*improving the firmness
of green tissues and fruits*

Benefits

- **Triple action: Bio-stimulant, Fertilizer and Calcium deficiency corrector**
- **Fast and efficient leaf penetration of calcium**
- **Rapid recovery from critical situations**
- **Improves fruit set, quality and shelf life**
- **Reduces Calcium deficiency problems like bitterpit & blossom end rot**

Composition

	(w/w)		(w/w)
Free amino acids	10%	Total amino acids	14%
Organic matter	20%	Dry matter	30%
Organic nitrogen	1.8%	Total nitrogen	2.1%
Calcium (CaO)	5%	Ca	3.6%
Biologically Active Metabolites (incl. Bile acids, Lipids, Carbohydrates, Nucleotides Peptides)			>150
Specific weight	1.075kg/liter	pH	5-8

Application rate

Foliar application: 500ml-1 l/ha (200-300mL/hL water)

- Apply in the early morning or late evening
- Clean equipment after use.

Drip irrigation: 2-3 l/ha

- Apply 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 Calcium deficiencies and when the crop needs a physiological stimulus, such as:

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

Aminocal also prevents the risk of Bitter pit and Fruit cracking in pome fruits, blossom-end rot in tomatoes and solonaceous crops like tomatoes and tobacco, tip burn in leafy vegetables and leaf and stem spot in melons.

Free amino acid profile g/kg product

Alanine	9.7
Arginine	2.8
Aspartic acid	9.1
Cystine	0.1
Glutamic acid	11.1
Glycine	6.5
Histidine	3.9
Hydroxyproline	0.1
Isoleucine	5.7
Leucine	10.3
Lysine	12.0
Methionine	3.0
Phenylalanine	7.7
Proline	7.7
Serine	6.9
Taurine	0.8
Threonine	7.7
Thryptophan	1.5
Tyrosine	1.3
Valine	8.8



Packaging

IBC:	1000 L
BARREL:	220 L
CANNISTER:	5, 10 & 20 L
BOTTLES:	1 L



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 permitted for ecological growing.