



Amylose

Sugar Enhancing Biostimulant

ph: 6.9-7.2
EC: 25-30 mS/cm
Special weight: 1.100 g/L
100% water soluble
Appearance: Black color

What is Amylose?

Amylose is a natural, liquid, multifunctional biostimulant suitable for use in organic farming produced by the humification of banana, yeast and subsequent extraction. It is a rich source of bioactive substances such as polysaccharides (chitin, glucan, mannan), proteins, free amino acids, polypeptides, B vitamins, enzymes (amylase, catalase), natural hormones (cytokinin, auxin) as well as macroelements (potassium), trace elements and organic matter. It contains amylose (a component of starch) which acts as an energy store for plants, especially during the winter months.

Method of action

Shows rapid absorption and movement in plant tissues

Improves all crop yield and quality parameters

It is a biological medium for the application of sustainable cultivation practices that demonstrates a direct and indirect mechanism of action



Provides assimilable nutrients (macro-elements and trace elements) and natural hormones that enhance robust plant growth

It contains enzymes that delay the aging of plant tissues, particularly under stress conditions

Sugars and amino acids

01

Indirectly act as protection of osmosis by improving the water profile of the crop.

02

They protect the photosynthetic function.

03

They activate the antioxidant mechanism of plants under abiotic stress.

Why do we choose Amylose?

Increases

the rate of photosynthesis

Makes

plants tolerant to adverse environmental conditions (e.g. low temperatures, drought, salinity) by acting as an antioxidant

Enhances

microbial activity and diversity in the soil by increasing the population of beneficial microorganisms while at the same time

Improves

the structure and aeration of the soil

Method of application & Dosages

Amylose is mainly applied foliar but also with the irrigation system (fertigation). Apply during the cool hours of the day, early in the morning or in the evening in the absence of strong sunlight.

Recommended for all crops. Suitable for use in organic farming.

Dosages: 10-25 liters/Ha

Application period

It is recommended to be applied at the most demanding stages of plant growth and when plants are subject to stress conditions (environmental or insect and disease attacks) with the main objective of strengthening the growth rate and improving their tolerance to adverse conditions without inhibiting their growth and productivity. Amylose focuses on plant growth so it is important that its application starts from the early stages of crop growth and not at the end of the plant's biological cycle.

COMPOSITION	% w/w
Amylose	3%
Total Sugars	6%
Organic Matter	81.4%
Potassium (K ₂ O)	1.9%
Zinc (Zn)	1%



Giving back to Mother Nature

Ikorganic produces organic growth, nutrition and plant protection products. Our philosophy is based on the Circular Economy Model and the Zero Waste Food Strategy, as in our modern facilities we turn animal & plant by-products and herbs of the Greek land into organic fertilizers and new types of organo mineral fertilizers. Further to that, Ikorganic is also active in the field of Research for the production of biological pesticides, totally devoted to ensuring the environmental and human safety.