



Botamisol®

AMINO ACID CONCENTRATE FOR STRESS SITUATIONS. INVIGORATING.

Benefits of its use

BOTAMISOL is an organic fertilizer especially formulated with free amino-acids extracted from a double enzymatic vegetal protein hydrolysis, which allows obtaining a high amount of free and biologically active L- α -amino acids.

Its complete aminogram includes precursors necessary to activate phytohormone biosynthesis, and enhance the nutritional state and development of the plant, even during periods of abiotic stress.

BOTAMISOL contains specific amino acids that are directly involved in the "physiology of stress" by protecting crops against the damage caused by adverse environmental conditions (drought, salinity, high or low temperatures, excessive humidity, phytotoxicity due to plant protection products; among others), as well as by promoting crops recovery from these stressors.

In addition, **BOTAMISOL** stimulates important physiological processes such as metabolism and photosynthesis, and produces a significant improvement of development processes such as germination, root growth, flower blossom, fruit set and maturation.

BOTAMISOL allows obtaining fruits of bigger size, better coloration and higher sugars and vitamins concentrations.



Composition

(%w/w)

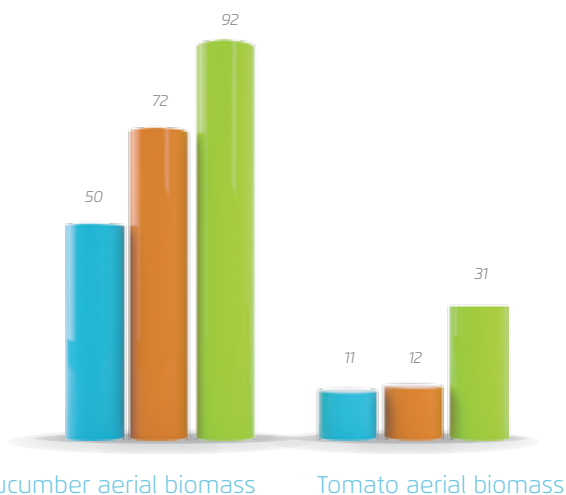
L-Free amino acids ¹	45,0
Total nitrogen	18,0

¹ **Aminogram:** Glutamic acid, arginine, serine, proline, aspartic acid, threonine, alanine, valine, glycine, lysine, phenylalanine, leucine, histidine, tyrosine, isoleucine, methionine, hydroxyproline

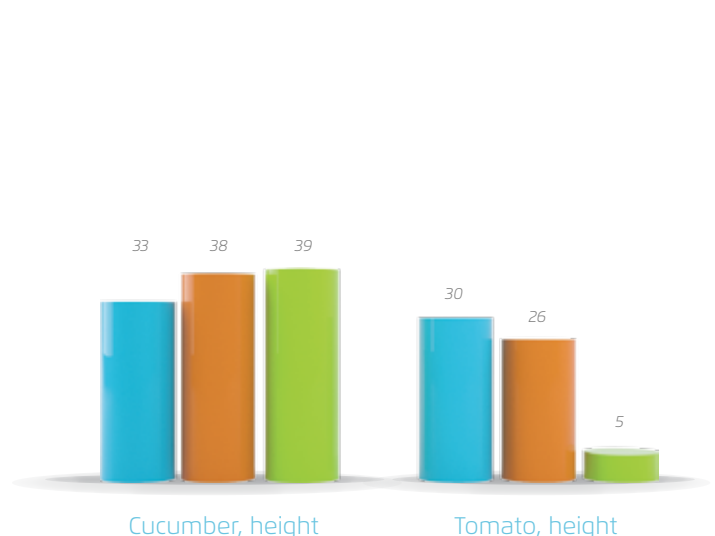
Efficacy trials

● Botamisol 0,15% ● Botamisol 0,30% ● Botamisol 0,60%

% Increase in foliar and root biomass, Futureco Bioscience



% Height Increase





% Increase in foliar and root biomass,
Futureco Bioscience

% Height Increase



Application System

BOTAMISOL can be applied by foliar spraying or through fertirrigation, during crop stages when an increase in metabolism can help the developmental processes (i.e. during fruit growth, or during vegetative growth in leaf vegetables). It is also suitable during stages with high sensitivity to environmental stress (transplant, flowering), and also to overcome any type of abiotic stress in other crop stages.

Stability And Storage

BOTAMISOL is stable during at least 3 years from the manufacture date.
Keep in a fresh and ventilated place with temperatures below 50°C.
Do not store for prolonged periods under direct sunlight.
Keep away from children.
Do not eat, drink or smoke while handling this product.

Dosages

CROPS	DOSAGE	APPLICATIONS
Vegetables	2 Kg/Ha	3-4 treatments after transplant
Fruit trees	3 Kg/Ha	Shooting, thinning and fruit growth
Citrus	2 Kg/Ha	Shooting, thinning and fruit growth
Table grape	2 Kg/Ha	After transplant and during abiotic stress situations. Foliar applications during shooting, pre-flowering and fruit setting and 3 weeks before harvest
Olive tree	3 Kg/Ha	Spring and autumn
Banana	1 Kg/Ha	October – November and March – April
Strawberry	1 Kg/Ha	3 treatments along the whole cycle
Cereals	2 Kg/Ha	Foliar applications together with plant protection products
Alfalfa	2 Kg/Ha	Foliar applications 10 days after each cutting
Cotton	2 Kg/Ha	Foliar applications during the first stages and at the beginning of flowering
Ornamentals	2 Kg/Ha	3 -4 treatments after transplant
Sugarbeet	1 Kg/Ha	3 - 4 treatments along the whole cycle
Potato	1 Kg/Ha	3 - 4 treatments along the whole cycle

In nurseries apply 1 Kg/Ha diluted between 0,1% and 0,3% with enough water volume to cover the whole crop area. To increase rooting applications must be done directly to the substrate, each 15 days, at the recommended dosages.

Compatibility

For mixing with any other product conduct a test in a small volume to assess compatibility.
If you have any doubt, please contact your local dealer for technical advice.