



Botamisol®

AMINO ACID CONCENTRATE FOR STRESS SITUATIONS. INVIGORATING.

Benefits of use

BOTAMISOL® is an organic fertiliser especially formulated with free amino-acids extracted from a enzymatic hydrolysis of vegetal proteins, 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.

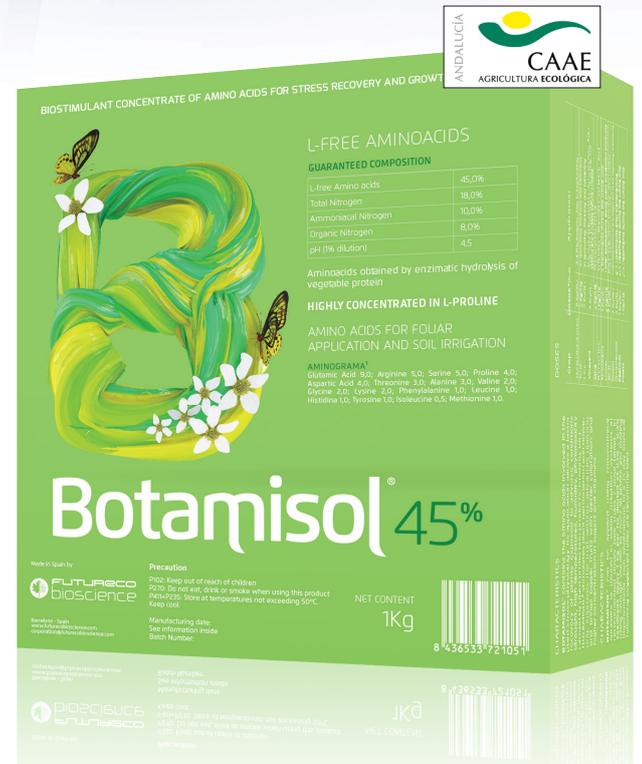
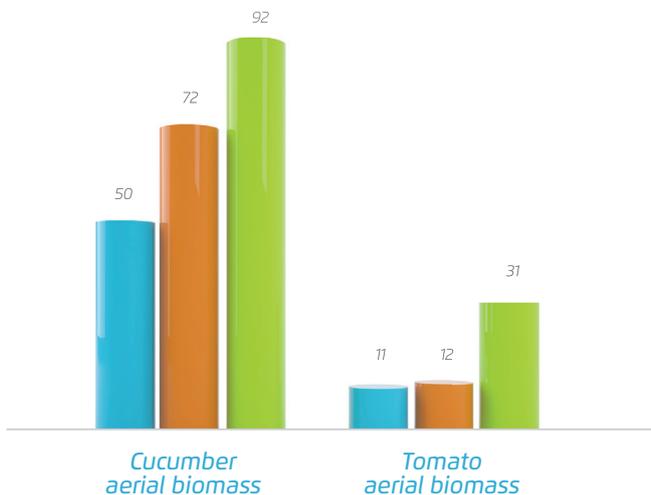
BOTAMISOL® contains specific amino acids that are directly involved in the "physiology of stress" by protecting crops against the damage caused by adverse environmental conditions (drought, salinity, high or low temperatures, excessive humidity, phytotoxicity due to plant protection products; among others),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

Efficacy trials

% Increase in foliar and root biomass, Futureco Bioscience

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

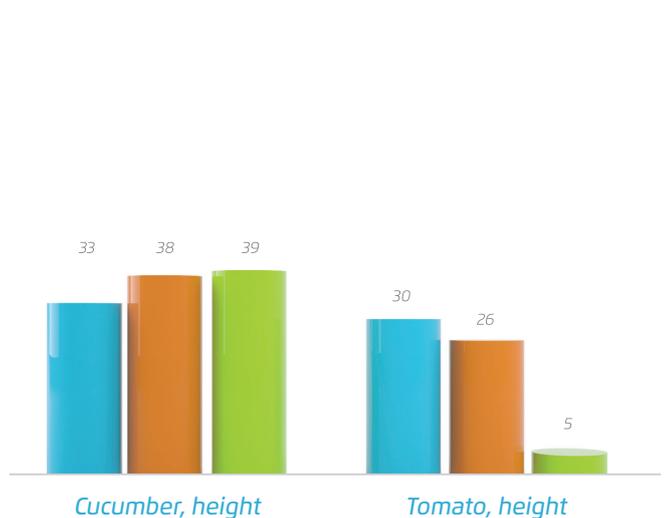


Composition (1kg) (%w/w)

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

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

Effect on weight and size, Kiwi (Chile)





% Increase in foliar and root biomass, Futureco Bioscience



% Height Increase



System and time of application

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.

Dosage

CROPS	DOSAGE	APPLICATIONS
Vegetables	2 Kg/Ha	During the whole crop cycle.
Fruit tree	3 Kg/Ha	Pre-flowering, flowering and fruit setting.
Citrus	2 Kg/Ha	Pre-flowering, flowering and fruit setting.
Table grape	2 Kg/Ha	Beginning of vegetative activity, pre-flowering, flowering and fruit setting.
Olive Tree	3 Kg/Ha	Pre-flowering, flowering and fruit setting.
Banana	1 Kg/Ha	During the whole crop cycle.
Strawberry	1 Kg/Ha	During the whole crop cycle.
Cereals	2 Kg/Ha	Together with phytosanitary products.
Alfalfa	2 Kg/Ha	After each cut.
Cotton	2 Kg/Ha	Beginning of vegetative activity and pre-flowering.
Ornamentals	2 Kg/Ha	3-4 treatments after transplant.
Sugar beet	1 Kg/Ha	3-4 treatments during the whole crop cycle.
Potato	1 Kg/Ha	3-4 treatments during the whole crop 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, it is necessary to conduct a compatibility test in small volume. For further information, technical advice or any other enquiries, please contact your local distributor.