

Blast

Organo mineral fertilizer

Nitrogen (N) 15.2% - Boron (B) 2.4%

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ph: 7.3
EC: 4.1 mS/cm
Specific weight: 1.168g/L
100% water soluble
Appearance: Dark-Black

What is Blast?

Blast is a liquid organo mineral fertilizer that focuses on meeting the N and B needs of the plant. Its rich composition in organic matter and amino acids make it an ideal nutritional product for all crops but its effectiveness is considered particularly strong in boron demanding crops such as olive trees, vineyards, broccoli, sugar beet, etc.

Its action prevents the occurrence of boron deficiency or corrects the existing one while at the same time satisfying the nitrogen requirements of the crop at critical growth stages due to its high nitrogen content.

The role of Boron (B)

RELATES TO THE STRUCTURE AND FUNCTIONALITY OF THE CELL WALL

CONTRIBUTES TO THE STRUCTURAL INTEGRITY, STABILITY AND FUNCTIONALITY OF CELL MEMBRANES

REGULATES SEVERAL PHYSIOLOGICAL PROCESSES

ENSURES THE TRANSFER OF NUTRIENTS, ORGANIC COMPOUNDS AND WATER TO THE GROWING PARTS OF THE PLANT



CONTRIBUTES TO THE SMOOTH DEVELOPMENT OF TUBERCLES IN THE ROOTS OF LEGUMES FOR SUCCESSFUL NITROGEN FIXATION

FAVOURS THE FORMATION AND MAINTENANCE OF FLOWERS, THE ELONGATION OF THE POLLEN TUBE AND CONSEQUENTLY THE FRUITING AND THE FORMATION OF SEEDS

INTERACTS WITH OTHER NUTRIENTS

Boron deficiency in plants

Under boron-deficient conditions, symptoms initially appear on young leaves and include thicker, wrinkled, curled, deformed and fragile leaves with reduced laminae, short internodes that make them look like rosettes on the plant. In more extreme situations, necrosis of the leaf tips, hollowing of the stem in broccoli, etc.

The role of Nitrogen (N)

Nitrogen is the most essential nutrient for plant growth. Its importance lies in the fact that it is a component of many biomolecules. It is involved in the synthesis of proteins (a component of amino acids, which are the building blocks for proteins), DNA and RNA, the carriers of genetic information (a key component of nucleotides, which are the building blocks of nucleic acids), the chlorophyll molecule, enzymes that control a number of physiological processes in plants and secondary metabolites.

Why choose Blast?

Favours

growth in both the vegetative and reproductive stage

Improves

pollination and fruit set rate resulting in high crop yield

Reduces

early fruit drop associated with the formation of malformed fruit

Prevents

the occurrence of physiological abnormalities associated with the maintenance of cell wall elasticity

Method of Application and Dosage

Through the irrigation system (Fertigation) and foliar

Fertigation: 20-30 lt/Ha

Foliar application: 250-300 cc in 100 litres of water

Period of application

It is recommended to be used at the vegetative growth stage (sufficient leaf surface is a prerequisite) and before or during bud formation, before flowering and at the beginning of fruiting during the reproductive stage. In addition, the post-harvest use of the preparation on fruit trees after harvesting and before leaf fall (when the foliage is still green, before the onset of the normal colour change) is recommended, as it promotes fast and good growth in the following year, since a sufficient supply of nitrogen and boron will be available early in the spring for all the critical initial processes that occur in the tree (flowering, fruit setting, initial stages of fruit and shoot development).

COMPOSITION	% w/w
Total Nitrogen (N)	15.2%
Nitric Nitrogen	3.3%
Ammoniacal Nitrogen	3.4%
Ureic Nitrogen	8.5%
Boron (B)	2.4%
Organic Carbon	9.6%
Organic Matter	38.8%
Total Amino acids	2.48 g/100g



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.