

Promofruit BZ

*Promoter of
flower fertility and
fruit set*



+ safety



+ production



+ quality



Promofruit BZ

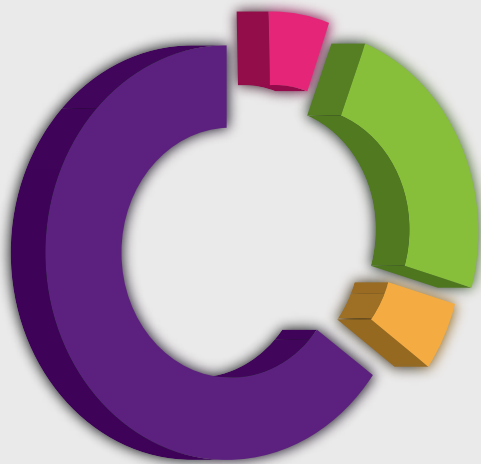
Promofruit BZ is a promoter of flower fertility and fruit set and today represents the TOP of its category in horticulture and fruit growing to improve and optimize these delicate phenological phases.

Promofruit BZ stimulates the synthesis of endogenous phytohormones and naturally provides all the precursors necessary for the reproductive development of the plant by directly influencing:

1. the fertility of the flower;
2. fruit setting, even in case of stress;
3. fruit swelling.

The active components

What distinguishes Promofruit BZ is its advanced and studied formulation at the Agriges Research and Development laboratories that can "activate" the mineral fraction with a quality organic matrix.



- **Bioactive molecules**
(tryptophan, humic and fulvic acids)
- **Boron**
- **Zinc**
- **RyZea**

Mineral matrix

In the mineral matrix of Promofruit BZ there are two essential microelements, Zinc and Boron.

| | |
|--------------|--|
| Zinc | Zinc positively influences plant metabolism: it improves the resistance to cold and late frosts, prevents chlorosis and premature fall of the leaves, improves the development of flower buds. Furthermore, last but not least, Zinc is a precursor of tryptophan , which, as a precursor to auxins in turn, directly influences the process of rooting, fruit set and enlargement of the fruit. |
| Boron | The contribution of Boron is essential for the flowering and for the correct pollination of the flowers as it can increase the pollen vitality and therefore improving the flower fertility . This also affects the fruit set and fruit growth and uniform set. Boron deficiency, in fact, is one of the factors that determine the <i>millerandage of the grapes</i> , that is the irregular development of the grapes that sees a cluster composed simultaneously of large and small berries. Finally, Boron is also involved in the metabolic processes of the production of sugars and proteins, and influences calcium uptake in plant, improving both the characteristics of the peel and reducing the problems during fruit conservation. |

Bioactive organic matrix

The organic matrix of Promofruit BZ consist of different bioactive components, each one performing a specific function.

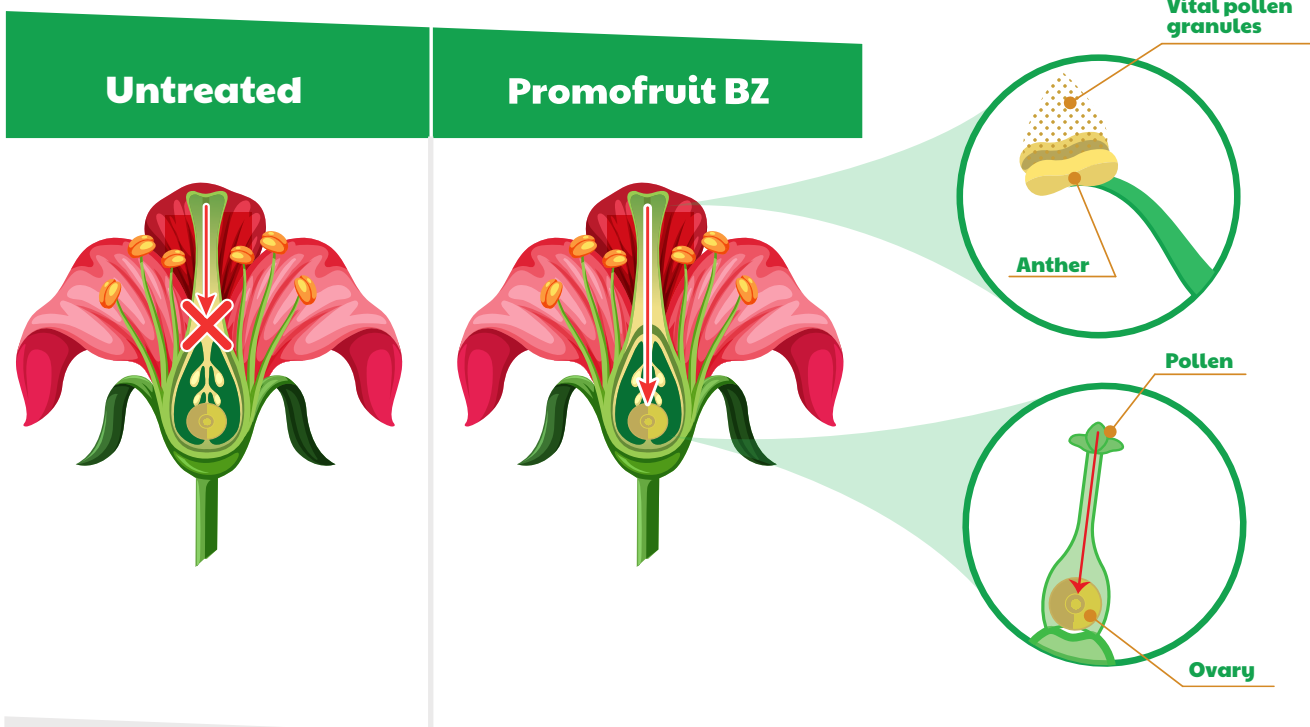
| | |
|-------------------------------------|---|
| Tryptophan of natural origin | <p>Tryptophan prepares the plant for a more intense cell division of fruit structures. This allows the fruit to grow without losing elasticity. Furthermore, since tryptophan is a precursor of natural auxins, it can stimulate naturally the production of natural promoters of cell division:</p> <ul style="list-style-type: none">-Indole-3-Acetic Acid (IAA);-4-cloiroindol-3-acetic acid (4-Cl-IAA);-Phenylacetic acid (PAA). |
| RyZea | <p>The composition of Promofruit BZ is enhanced by RyZea, Agriges' exclusive production technology which involves extraction and keeps the maximum concentration of fine organic molecules contained in three brown algae active. Among these extracts, polysaccharides (laminarine, mannitol, alginates, etc.) and vitamins (tocopherol, vitamin D, etc.) allow plants to regulate the fertilization and fruit setting processes even in situations of environmental stress, such as cold returns, which often occur in orchards during flowering. RyZea determines:</p> <ul style="list-style-type: none">- an intense cell multiplication with accumulation of dry matter in fruits;- distension and strengthening of cell walls;- a greater translocation of nutrients and photosynthetic products to the fruits (greater dilation of the conducting vessels) |
| Amino acids | <p>Promofruit BZ brings a high content of levorotatory amino acids, biologically active and quickly used by the plant. These amino acids perform several functions:</p> <ul style="list-style-type: none">- they are a source of ready-to-use energy, indispensable during intense growth activities such as flowering;- accelerate and intensify the processes of pollination and fruit setting;- increase the amount of nutrients that can be used by cellular metabolism;- improve the plant's responses to environmental stress. |
| Humic and fulvic acids | <p>The presence of humic and fulvic acids determines a greater absorption of nutrients, both by leaf and by root and stimulates the growth of leaves, roots and fruits. On the soil, humic and fulvic acids provide a medium and long-term energy reserve and stimulate rhizogenesis, increasing yield and improving soil structure.</p> |

Advantages and why use Promofruit BZ

Promofruit BZ enhances flowering and supports fruit set

Inside the peduncle and the flower button, before flowering there is an intense cell division activity, where phloematic vessels and floral organs develop. Promofruit BZ stimulates cell division and, by providing readily usable energy in this phase of intense metabolic activity, **it stimulates the growth of flowers, improves vascularity and promotes uniform development of the shoots.**

- 1 Promofruit BZ improves the fertility of the floral organs and the fertilization of the flowers.**

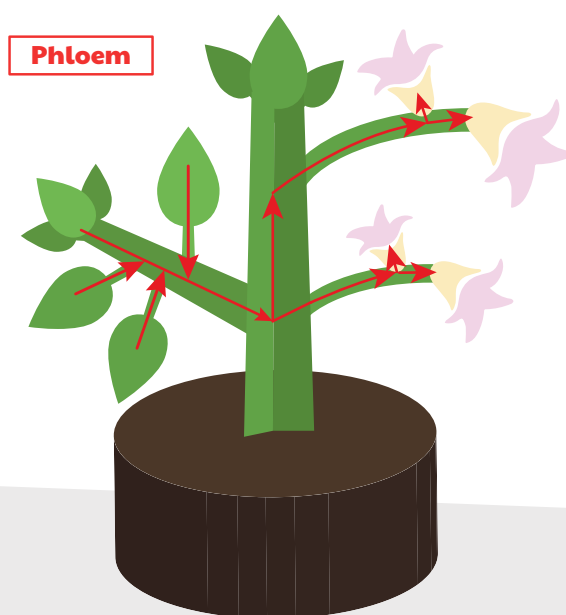


- 2 Promofruit BZ provides energy to support the intense cell division.**

cell division



3 Promofruit BZ stimulates the development of new phloematic vessels for the transport of nutrients and metabolites, essential for fruit growth.



When the application is recommended

Promofruit BZ is used from pre-flowering to the fall of the petals to improve flowering, promoting the development of male and female floral organs and to enhance fruit setting processes. Furthermore, if used early, in the buds breaking phase, it helps to promote a more uniform budding and flowering.

Doses and instructions for use

| Crops | Foliar application | Dose ml/hl |
|---------------|------------------------------------|------------|
| Three | from flowering until fruit setting | 40-80 |
| Horticultural | from flowering until fruit setting | 40-80 |
| Industrial | pre-flowering | 40-80 |
| Ornamental | pre-flowering | 40-80 |

| Crops | Application in Fertigation | Dose ml/hl |
|----------------------|-------------------------------------|------------|
| Three, Horticultural | from flowering until fruit swelling | 0,8-1,2 |
| Ornamental crops | pre-flowering | 0,8-1,2 |

The indicated doses have an indicative value and can vary according to the pedoclimatic characteristics of each zone.

WARNINGS

In case of mixture with other products, it is advisable to carry out small preliminary tests to verify compatibility, miscibility and possible varietal sensitivities. The product can entail drawbacks if distributed with copper-based products and systemic products. Mixing with white oils and formulations with an acid reaction is not recommended. It is recommended to carry out a treatment with Pryoter Ca/Mg after an interval of 10 days from the last use in order to structure the fruit.

FORMULATION DENSITY (T=20°C)

Soluble liquid

approx. 1240 kg/m³

PACKAGES

0.25 - 0.5 - 1 - 10 l

pH (sol. 6%)

approx. 9.8

CONDUCTIVITY (sol. 10%)

approx. 18,7 dS/m



Exclusive Agriges production technology



Foliar application



Fertigation



Allowed in Organic Agriculture





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