

Liquid Organomineral Calcium - Boron Fertilizer



NPK 0-0-3+2%CaO+1%B

STRONG-CaB is a liquid organomineral Potassium, Calcium and Boron fertilizer with additional properties of soil activator. It has a high content of humic and fulvic acids, which derive from natural leonardite deposits, very rich in micro-nutrients. Calcium is chelated with EDTA, therefore it is readily assimilable by plants. Moreover, Boron due to the presence of fulvic acids is easily uptaken by the roots and transported to the above-ground plant tissues, where it plays a crucial role in fruit setting.

STANDARD ANALYSIS

Humic & Fulvic Acids	13,0 %
Calcium (Ca-EDTA)	15,0 %
Boron (B ₂ O ₃)	3,0 %
Potassium (K ₂ O)	3,0 %

PROPERTIES

- ✦ It corrects Calcium deficiency fast and efficiently.
- ✦ It increases yields.
- ✦ It increases fruit size in fruit cultures.
- ✦ It promotes fruit setting.
- ✦ It promotes the growth of the root system.
- ✦ It helps release soil Calcium.
- ✦ It corrects soil salinity problems.
- ✦ It enhances plants resistance to stress caused by low temperatures and drought.
- ✦ It increases water retention and availability to plants.
- ✦ It increases fertilizers assimilation by the root system.
- ✦ It improves soil structure by modifying its natural, chemical and biological attributes.



Calcium is involved in cell reproduction and in the formation of a strong cellular wall, leading to the enhancement of plants resistance against diseases and enemies and to the improvement of production quality. Moreover, it is essential for the development of an abundant and healthy root system. Calcium, although required in big quantities by plants, it is not always readily disposable when needed. For this reason it is very important to ensure its constant and abundant availability.

Chelated Calcium by chelating agents such as EDTA and humic and fulvic acids is totally assimilable by plant tissues and in addition it is gradually released. It should be underlined that Calcium gets absorbed more effectively with the contribution of Boron, which promotes the growth of the root system and the improved operation of cellular membranes.



HUMOFERT





Boron plays a fundamental role in blossoming, fruit setting and cells proliferation. When adequate organic matter is present in the soil, it is easily absorbed by the roots and transported to the above-ground plant tissues.

Potassium influences the function of a wide range of enzymes, having an impact this way on the metabolism of carbohydrates and the synthesis of proteins. As a consequence, it provokes increased size and improved quality of fruits, as well as better resistance of plants to stress caused by low temperatures and drought. Moreover, it helps regulate the osmotic dynamic of

both the root and the above-ground part of the plant, contributing to the absorption of water and nutrients by the root and to their transport through the xylem to the rest of the plant.

Humic and fulvic acids have a fundamental role in the improvement of soil structure and the adjustment of its natural, chemical and biological characteristics in such a way so as to increase water retention and availability to plants as well as the absorption of fertilizers by the roots. Moreover, the organic substance of the soil incites roots growth, corrects salinity problems and prevents the erosion.



DOSAGES

STRONG-CaB is suitable for soil applications by any fertigation-irrigation system but also for foliar sprayings, according to the following rates and applications frequency.

Fertigation: 10-20 L per hectare

Foliar spraying: 250-400 ml per 100 L water

Hydroponics: 5-20 L per hectare

CROPS

APPLICATIONS

Tomato, Cucumber, Pepper, Aubergine, Squash, Melon, Watermelon, Strawberry

Apply mainly via fertigation. 1st application 7-10 days after transplanting and repetition every 15 days till the end of harvest.

Lettuce, Spinach, Celery, Bean, Onion, Carrot, Potato, other green vegetables

Apply foliarly to transplanted cultures 15-20 days after transplanting and repeat 15 days later. To other cultures apply foliarly 20-25 days after planting and repeat 15 days later. If there is fertigation possibility, make the first application 10 days after planting or transplanting and then repeat once or twice, at 15-day-intervals between applications.

Fruit trees

Apply via fertigation. 1st application at the beginning of the new vegetation. Repeat once every month till maturation.

Vine, Kiwi

Apply via fertigation. 1st application before flowering and then 2-3 repetitions each 20-30 days till maturation.

Flowers, Ornamental plants

Apply via fertigation. 1st application 10-15 days after planting or at the beginning of new vegetation and then repetition every 15-20 days till the end of growing season.

Cereals, Maize, Cotton

Apply foliarly or, where it is possible, via fertigation once or twice during the growing season. 1st application takes place 20-30 days after planting. 2nd application before flowering.