

Technical Data Sheet



Agroplex® B-Mo

AGROPLEX® B-Mo

GENERAL INFORMATION

Category

Inorganic nutrient-activating fertilizer.

Guarantee of composition

Composition	%w/w
Boron	10.0%
Molybdenum	150 ppm
Diluents and conditioners	90.0%

Key feature

Agroplex® B-Mo is a boron and molybdenum-based foliar fertilizer that acts by supplying part of the demand for these elements and effectively correcting deficiencies of these elements in plants.

Manufacturer/ Formulator/ Distributor

IQ Chemicals & Labs S.A. de C.V.
IQ Chem & Labs S.A. de C.V.
Agroenzymas México S.A. de C.V.

Registration

In accordance with the regulations of the law, as of March 28, 2005, co-adjuvants do not require registration with COFEPRIS.

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MODE OF ACTION AND EFFICACY:

Agroplex®B-Mo is a formulation based on complexed boron and molybdenum, which makes them highly assimilable by plant tissues. Ideal for correcting and preventing deficiencies of these elements or as part of a program of applications for crops. Due to its conditioners, it is highly assimilable by plant tissues and, once inside the tissue, boron performs many functions in plants, such as increasing pollen tube germination after pollination, helping to mobilize calcium by being a component of an enzyme that participates in this process, and being related to the formation of many physiological processes. Molybdenum, on the other hand, is one of the microelements required in smaller quantities, although it is essential (as a metal) for the enzymes nitrate reductase and nitrogenase. Nitrate reductase has one iron atom and two Mo atoms and is the enzyme that catalyzes the reduction of nitrate to nitrite in leaves, a fundamental step in the utilization of nitrogen by plants. Thus, Mo is considered necessary and critical in the nitrogen metabolism of plants.

METHOD OF APPLICATION:

Agroplex®B-Mo is designed for foliar applications. Although **Agroplex®B-Mo** easily enters crops, it is recommended to add a penetrant or adhesive to the spray solution to ensure adequate coverage of the compounds.

To prepare the solution, it is recommended to dilute the indicated dose in a separate container with water, fill 50% of the spray container, add **Agroplex®B-Mo**, shake, and then fill the container to 100% capacity.

EFFECTS ON CROPS:

Agroplex®B-Mo, due to its essential element content, has the following effects:

- Increased fertilization
- Increased flower and fruit setting
- Increased fruit size and quality
- Greater assimilation of N and Ca
- Greener plants
- Greater accumulation of dry matter in fruits and vegetative structures
- Increased amount of antioxidants in plants

GENERAL RECOMMENDATIONS:

Apply early in the morning. Do not apply on windy or rainy days. Fully soluble in water. Application with a non-ionic adjuvant is recommended to improve its application.

COMPATIBILITY:

Agroplex®B-Mo is compatible with most currently registered products; however, given the reactivity of the material, it is advisable to conduct compatibility tests prior to application.

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PHYTOXICITY AND RESIDUES:

Agroplex®B-Mo is not phytotoxic at recommended doses and crops.

Do not contaminate water, food, or animal feed when storing or handling the product. Keep it in its original container. • Storage: Keep in a cool place. • Product disposal: If the material is not used in its entirety, keep it in its original container until it is used. • Do not remove the label or repackage the product. Container disposal: Do not reuse the container. Do not refill the container. Take to collection centers. Triple wash as follows: Empty the remaining contents into a waste tank for 10 seconds until the container begins to drip. Fill the container 1/4 full of water and shake. Shake for 10 seconds. Pour the rinse into the waste container, repeat the operation from side to side, and repeat a third time from top to bottom.

CROP	DOSE	PERIOD OF APPLICATION
Avocado, mango, peach, plum, apple, wine grape, and citrus fruits	100 mL / 100 L of water in each application	1a.- During flowering 2a.- Fruit formation begins
Pumpkin, chili pepper, tomato, cucumber, melon, watermelon, and strawberry	0.5 L per ha in each application	1st - During flowering 2nd - Repeat after 15 days
Soybeans, beans, and cotton	0.5 L per ha in each application	1a.- During flowering 2a.- 30 days after
Potato	0.5 L per ha in each application	1a.- Beginning of tuberization 2a.- 30 days after
Avocado, mango, peach, plum, apple, grapevine, and citrus fruits	100 mL / 100 L of water in each application	1a.- During flowering 2a.- Fruit formation begins