



## DATA SHEET

**ColdProtect** owned by Microendo Inc, is the first product made from the selection of the best microorganisms for the protection of the cold of the plant, being a unique product in the market.

**ColdProtect** is a bio-inoculant made from a probiotic mixture of different microorganisms that reduces the cold stress of the plant by inhibiting the oxidative stress caused by cold. In addition, it strengthens the immune system of the plant and increases its nutrition, becoming a perfect cryoprotectant for plant cells. Providing you with a 100% organic solution in a more logical and natural way with the environment.

### AGRICULTURAL USE

**ColdProtect** guarantees a 100% organic and high quality product that can be used for the following crops, although this recommendation is not limited to other agricultural crops: **Vegetables in general:** Cabbage, cauliflower, broccoli, compass cabbage, radish. **Fruit trees in general:** Avocado, citrus, peach, guava, mango, coconut, banana, papaya. **Solanaceae:** Tomato, chili, potato, eggplant, pepper. **Cucurbits:** Cucumber, melon, watermelon, pumpkins. **Seeds:** corn and sorghum, wheat, barley, and oats. **Berries:** blueberry, raspberry, blackberry, blackberry. **Other crops:** Celery, asparagus, lettuce, onion, chives, carrot, walnut, pineapple, vine, sugar cane, cotton, agaves, oil palm.

### BIOLOGICAL COMPOSITION

- *Enterobacter spp*  $1 \times 10^{14}$  UFC/ml
- *Burkholderia spp*  $1 \times 10^{14}$  UFC/ml

### BENEFITS

- Plants more resistant against frost diseases.
- Decreases the cold stress of the plant.
- Strengthens the immune system.

### APPLICATION METHOD

**ColdProtect** comes from a fresh and metabolically active culture, so its use is recommended at the time of receipt. Very early or during the afternoon, avoiding long hours of sun and solar radiation.

- The product is applied injected to the root or in drench directly to the base of the plant. Always make sure that the implement to be used has not had a previous bactericide or fungicide. Wash the pump thoroughly before use. Preferably use neutral soap powder.
- Do not eat, drink or smoke during applications, wash your hands before and after using this product.

It is recommended to dilute per hectare, 1 liter of **ColdProtect**, in natural water as clean as possible for crops of 1-9 kg and for crops of 10-50 kg use 2 liters per hectare and 60-100 kg use 3 liters per hectare.

- Do not dilute in more than 500 L per liter of **ColdProtect** since microbial cultures require a minimum concentration to act.

## APPLICATION FREQUENCY

It is recommended to make 2-3 applications per hectare for an optimal colonization of the plant with a frequency of 7-10 days each, which will achieve in the plant a healthy nutrition and defense of the crop.

### Dosage:

Crop	General
Dosage	1L/1 ha
Frequency	7-10 days
Application	2-3 applications



## COMPATIBILITY WITH OTHER PRODUCTS

**ColdProtect** is compatible with some fertilizers.

In case of making an application of any bactericide, fungicide, pesticide or insecticide it is necessary to check the residence time of said product and make sure that the application of **ColdProtect** is outside this period, as well as washing well the material with which the application is going to be made, with neutral soap to ensure that traces of the product are avoided.

Consult your technical advisor for compatibility with other products.

It is not recommended to apply **ColdProtect** if you plan a subsequent application of bactericides, fungicides or any similar product as this would kill the population of microorganisms applied with **ColdProtect**.



## STORAGE AND TRANSPORT CONDITIONS

- Store the product in cool, covered places at room temperature.
- Do not expose it to the sun's rays.

## TOXICITY

**100% organic product.**

It is not phytotoxic at the recommended concentrations, stages and forms of application. In case of ingestion or discomfort at the time of use, induce vomiting and consult your doctor.

**Let's treat our crops with organic products!**



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