



Greenlife

CROP PROTECTION AFRICA

Your growth, Our Growth

BIODISTINCTION EXTRA[®] 700 SC

A revolution of all Coppers

TECHNICAL DATA SHEET



BIODISTINCTION EXTRA 700 SC

PRODUCT OVERVIEW

A brand new powerful suspension concentrate fungicide/bactericide with excellent contact properties for the prevention of different diseases on a wide range of crops such as ornamentals fruits and vegetables such as French bean, tomatoes, snow peas, broccoli, chilies, baby corn, coffee, avocado and mangoes among others.

ACTIVE INGREDIENT

Copper oxychloride 700 g/L

Formulation

Suspension concentrate

Mode of action

FRAC M1, M; Multi-site: Inorganic

Copper Oxychloride is a broad-spectrum contact fungicide/bactericide with protective action. They are classified as multisite and act by disrupting cellular proteins. Copper has a strong bonding affinity to amino acids and carboxyl groups, reacts with protein and acts as an enzyme inhibitor in target organisms. This is by denaturing proteins and enzymes in cells of pathogens they contact that have not yet infected the plant.

Copper kills spores by combining with sulphahydral groups of enzymes. Spores actively accumulate copper and thus germination of spores is inhibited, even at lower concentrations. Deposits must be on the crop before the fungal spores begin to germinate

Why Use BIODISTINCTION EXTRA 700 SC:

- Enhanced contact and preventative actions from a new copper compound.
- An ideal preventative alternative program with other fungicides and a tool for managing resistance.
- Protective actions saving extra cost on expensive post curative fungicides after out breaking of diseases.
- Does not accumulate in the environment due to easy degradation on plant surface and soil
- Has less pre harvest interval thus it can be incorporated in the spray programs of horticultural exporting firms.
- No discoloration of the crop. High market quality of crop and more photosynthetic activity.
- Faster absorption thus reduced wash off.
- It is easy to handle due to its true liquid formulation.
- No sedimentation and nozzle wear and clogging.
- Instant release of copper ions for faster activity on pathogens on crops.
- High copper bioavailability results in increases adhesion, cuticle penetration and rain fastness, which increases the efficacy.
- Low rate of use thus prevents phytotoxicity. It is also cost effective.

RATE AND DIRECTION OF USE.



Target Crop	Diseases	Rate	Method of application
Roses, Carnation, Hypericum, Gyph-sophilla	Downy mildew	750ml/ha in 1000 L of water (15ml in 20 L of water)	The first application before infection, when the weather is favourable to development of diseases, apply the following applications on a 10 day interval period. Maximum 3 applications per season.
Tomatoes, Potatoes, Chillies, Capsicum	Early Blight and Late Blight, Bacterial spots	750ml/ha in 1000 L of water (15ml in 20 L of water)	Spray once every 10 days and a maximum of 3 times in a season. PHI: 3 days for all edible crops
French beans, Beans, Green grams, Snow peas, pignon peas.	Halo Blight, Angular leaf spot, Anthracnose and Rust, Downy mildew		
Broccoli, cabbages, kale, cauliflower, spinach	Black Rot, Black Leg and Soft Rot, Downy mildew		
Onions, Basils, Chives, Garlic, Dill, parsley,	Downy mildew, purple blotch, Angular leaf spots, rusts		
Cucumber, watermelon, Pumpkins, Courgette	Downy mildew, Anthracnose Angular leaf spots	750ml-1L/ha in 1000 L of water (15-20ml in 20 L of water)	Spray once every 14 days and a maximum of 3 times in a season.
Coffee	Coffee leaf rusts, coffee berry disease, Bacterial blight, Iron spots		
Mangoes, Avocados, Papaya, Macadamia, Passion fruits, Guavas	Powdery mildew, Anthracnose, Blotch, Scabs, Phyphthora blight		
Cherries, Strawberries, grapes	Bacterial blast, Blossom brown rot, cherry leaf spots,		
Citrus (Oranges, Pixies, Grapefruits)	Citrus canker, Phyphthora root rot, Citrus Gummosis.		
Bananas	Sigatoka, Black pitting disease		





DISCLAIMERS

BIODISTINCTION EXTRA 700 SC Technical Bulletin is provided for reference purposes only and is not a substitute for or an addition to a product label or Material Safety Data Sheet (MSDS). Always read and follow label directions for the country of use for registered pesticides. The information and any recommendations in this bulletin ("information") are presented in good faith; however, GCPAL makes no representations as to the completeness or accuracy of the information. The information is supplied upon the conditions that the persons receiving it will make their own determinations as to its suitability for their purposes prior to use and consult with their advisors to ensure compliance with all Government, and local regulations. In no event will GCPAL be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION OR THE PRODUCTS TO WHICH THE INFORMATION REFERS.