



## **BOTANICAL EXTRACT<sup>®</sup> FC 100**

**(Liquid Bio Fungicide)**

(First broad-spectrum herbal biological fungicide)

### **DIRECTIONS FOR USE**

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

### **CROPS IN WHICH BOTANICAL EXTRACT FC 100 CAN BE USED**

<b>Crop</b>	<b>Disease &amp; Indication</b>	<b>Treatment</b>
Cotton and Other Fibre Crops	Root rot	Root Application
	Blight Wilt Leaf Spot	Foliar Spray
Chillies, Potato, Bhendi (okra), Turmeric, Betelvine Onion, Garlic, Tomato & other Vegetables & Fruits	Root rot	Root Application
	Blight Wilt Leaf Spot	Foliar Spray
	Ripe Rot Damping off Powdery Mildew	
Tobacco and Flowers, Tea, Coffee and Banana	Root rot	Root Application
	Blight Wilt Leaf Spot	Foliar Spray
	Ripe Rot Damping off Powdery Mildew	

**BOTANICAL EXTRACT FC 100** can be used indoors and outdoors. Plants may be potted, grown in the soil or soil-less mixtures or grown hydroponically.

### **APPLICATION METHODOLOGY**

#### **PROPHYLACTIC**

25 days after germination or 10 days after transplantation use Botanical Extract FC 100 at 500 ml/acre diluted in 100 liters of water (50ml / 10 lit. tank) and spray using power sprayer ensuring uniform coverage.

#### **CONTROL**

## **Root Application**

Mix in the ratio of 1 liter of Botanical Extract FC 100 in 100 liters of water sufficient to wet the roots of affected plants in on acre area at the first sign of disease/infection. Repeat the exercise after 15 days interval, if the problem persists.

## **Foliar Application**

For every acre mix 1 liter of Botanical Extract FC 100 Liquid in 100 liters of water (100ml / 10 lit. tank) and spray the mixture using power sprayer ensuring uniform foliar coverage at the first sign of disease/infection. Repeat the exercise after 15 days interval, if the problem persists.

## **TRUNK INJECTION**

2-4 ml per caliper inch.

## **IMPORTANT NOTE:**

**BOTANICAL EXTRACT FC 100** has been evaluated for phytotoxicity on a wide range of plants. However, since all combinations or sequences of pesticide sprays including fertilizers, surfactants and adjuvant have not been tested, it is recommended that a small area be sprayed first to make certain that no phytotoxicity occurs.

## **MODE OF ACTION:**

This product controls fungal infections very effectively and helps the crop rejuvenate from the pathogen attack. The positive effect is visible in 24 to 48 hrs. The mechanism of action for control of fungal pathogens is not yet clearly known.

## **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and the Worker Protection Standard. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval.

Do not enter or allow workers entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is:

Coveralls  
Chemical-resistant gloves  
Shoes plus socks  
Protective eye wear.

## **STORAGE AND DISPOSAL**

### **GENERAL:**

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.  
Do not reuse container.

### **STORAGE:**

Do not store above 100°F or below -20°F for extended periods of time. Keep containers tightly closed when not in use.

### **PESTICIDE DISPOSAL:**

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or reconstituted concentrate is a violation.

### **CONTAINER DISPOSAL:**

Do not reuse as a container. Triple rinse or equivalent, then offer for recycling or reconditions, or puncture and dispose of in an incinerator or landfill or by other procedures approved by state and local authorities.

## **APPLICATION DIRECTIONS**

Read all directions before usage

Dilute this product at a rate of 80 to 90 ml in 10 liters of water (considering that a power sprayer is used with a tank holding capacity of 10 liters and ten tanks i.e. 100 liters is used to cover one acre of plantation containing up to 350 – 400 plants). Apply using any suitable ground or aerial equipment, in a manner to obtain uniform and complete plant coverage. Avoid over spraying to the point of excessive runoff.

Applications should be made when the first symptom is observed. Repeat application every 7 – 12 days or as needed.

Dilute solutions containing **BOTANICAL EXTRACT FC 100** should be maintained at a pH between 6 and 7, and applied soon after preparation. Do not store for later use.

This product may be pre-mixed in a supply tank with water. Agitation is necessary (see Mixing Directions). Crop injury or lack of effectiveness may result only if uniform distribution is not achieved or irrigation is not done post spraying.

## **SPRAY**

### **High Volume:**

When plant foliage is dense, use the higher label rates and increase spray gallonage to obtain uniform and complete coverage.

### **Low Volume:**

Apply **BOTANICAL EXTRACT FC 100** with an appropriate carrier for the application equipment. For best results, ensure uniform and complete plant coverage.

### **Aerial Application:**

**BOTANICAL EXTRACT FC 100** aerially applied using suitable equipment such as fixed wing aircraft or helicopter. Select appropriate carrier and equipment to provide uniform and complete coverage.

## **DRENCH**

This product is effective as a soil drench for controlling soil borne fungal pathogens.

Apply **BOTANICAL EXTRACT FC 100** in sufficient water and for sufficient duration to distribute the recommended rate evenly to the entire treated area.

Apply to moderately moist soil. Use volumes that thoroughly wet the soil, but do not cause significant surface runoff or excessive drip from pots.

## **MIXING DIRECTIONS**

### **BOTANICAL EXTRACT FC 100 WITH WATER**

For best results:

1. Use clean equipment.
2. Fill tank 1/2 full to 3/4 full with water and begin agitation.
3. Add pesticide to the tank.
4. Fill the tank completely with water and mix thoroughly before applying.
5. Adjust spray solution to between 5 and 7 pH, where necessary.
6. Pesticide mix should be sprayed immediately after mixing.

7. If the mixture is not applied immediately, agitate before application.
8. Thoroughly clean equipment following application.

**TANK MIXTURES OR FLUID FERTILIZERS WITH BOTANICAL EXTRACT  
FC 100**

1. Before using this product in a tank mix with fertilizer determine compatibility by conducting a compatibility test with a small amount of each product.
2. Observe all cautions and limitations on labels of all products used in combination.
3. Follow all tank mix directions and observe limitations listed in the combination product(s) label.