

**MATERIAL SAFETY
DATA
SHEET
FC 100**



FC 100
BIOLOGICAL FUNGICIDE
Emulsifiable Concentrate

FOR INDOORS AND OUTDOORS USES

PRODUCT RANGE:

FC 100 is certified to have a combination of plant based extracts in an emulsifiable form and does not contain any synthetic /organic pesticides.

USER SAFETY RECOMMENDATION

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or areas where surface water is present or to inertial area below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water or rinse it.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. Causes eye irritation. Do not get in eyes.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES:

Flush eyes with plenty of water for 15 minutes. Call a physician, if irritation persists.

IF INHALED:

Move to fresh air. Clear lungs and air ways. Get medical attention, if irritation develops.

IF ON SKIN:

Wash with plenty of soap and water. Get medical attention, if irritation develops.

IF SWALLOWED:

Do not induce vomiting. Contact a physician immediately.

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.



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 rinse –it 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.

CROPS IN WHICH FC 100 CAN BE USED

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

IMPORTANT NOTE:



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 adjuvants 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.

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 the application every 7 – 12 days or as needed.

Dilute solutions containing **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 gallons to obtain uniform and complete coverage.

Low Volume:

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

Aerial Application:

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 **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

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 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.

DISCLAIMER

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PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below.

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- chemical resistant gloves
- shoes plus socks
- protective eye wear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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