

ANCORA[®]

Microbial Insecticide



FOR CONTROL OF INSECT AND MITE PESTS ON VEGETABLES, FRUITS, ORNAMENTAL PLANTS GROWN IN GREENHOUSES OR OTHER COVERED STRUCTURES, OR IN NURSERIES.

Product Information Bulletin 166

GENERAL INFORMATION

ANCORA[®] is a naturally occurring fungus that infects both foliage and soil dwelling insects.

ANCORA microbial insecticide contains the organism *Isaria fumosorosea* Apopka Strain 97, that is native to the United States.

ANCORA has 20% active ingredient, and contains 1 x 10⁹ CFU/gram.

ANCORA contains blastospores which germinate and then penetrate the insect. Infection sets in and the insect dies in several days.

Common Name: *Isaria fumosorosea* Apopka Strain 97

Class: Biopesticides

| | | |
|-------|-----|-------------|
| GROUP | UNF | INSECTICIDE |
|-------|-----|-------------|

Packaging: 1 pound bag, 10 per case

RESTRICTED ENTRY INTERVAL (REI) AND SIGNAL WORD

REI = **4 hours** Signal Word = **CAUTION**

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicator and other handlers must wear:

- Long-sleeved shirt and long pants
- A dust/mist filtering respirator (MSHA/NIOSH approved number prefix TC-21C), or a NIOSH approved respirator with prefix N-95, R-95, or P-95.
- Shoes plus socks

ADVANTAGES OF ANCORA

- Controls Spider mites, thrips and others
- Broad-spectrum activity on both foliar and soil dwelling insects
- Labeled for use on herbs and vegetables
- 4-hour REI
- Compatible with beneficial arthropods
- Natural fit with IPM programs



CAN BE USED FOR ORGANIC PRODUCTION

PRODUCT APPLICATION TIPS

- Apply at first sign of pest activity on traps or plants to prevent outbreaks.
- **ANCORA** is most effective when the relative humidity is 80% or higher. The application itself, especially at high water volumes, will temporarily raise the relative humidity to support high effectiveness.
- Spray with enough water to penetrate foliage and obtain good coverage.
- Before final dilution, mix the recommended quantity of **ANCORA** with water in a separate beaker/container (up to 1/3 of the total water volume) to dissolve the granules.
- Agitate for 2-3 minutes and then allow the premix to stand for 20 to 30 minutes. This allows the blastospores to be released from the carrier substrate and into the water solution.
- When decanting into the spray tank, use a funnel with a 100 mesh screen to filter and prevent any clogging of spray nozzles.
- **ANCORA's** new formulation does not require decanting for most common uses including power, backpack or hand-held hydraulic sprayers and low-med volume foggers. Decanting is still recommended for use in auto foggers and other ultra low volume fogging equipment.
- Make a minimum of two applications, 3 to 5 days apart.
- Store **ANCORA** in its original unopened package. **ANCORA** is very stable in the unopened package for one year at 40° to 50° F.
- With an opened package, squeeze out the excess air and keep refrigerated (40° to 50° F). Use any remaining product within 30 days of opening.
- For best results use a spreader sticker or horticultural oil such as Triact[®] 70 (1 qt./100 gal. of spray solution) at the labeled rates.

MODE OF ACTION

Upon contact, the fungal spores in **ANCORA** germinate and pierce through the insect cuticle causing infection and death in 3 to 5 days.

USE SITES

ANCORA may be used in greenhouse and other covered structures (including lathe and shade houses), and nurseries. Plants may be potted, grown in the soil or in soilless mixtures, or grown hydroponically.

ANCORA MAY BE USED ON THE FOLLOWING CROPS

| | | |
|------------------|------------------|--------------|
| Bedding plants | Foliage | Shrubs |
| Cut flowers | Herbs and spices | Strawberries |
| Flowering plants | Nursery stock | Vegetables |
| | Melons | |

TARGET PESTS CONTROLLED Foliar Application

| | |
|--|--------------|
| Aphids | Psyllids |
| Leafminers | Spider mites |
| Mealybugs | Thrips |
| Plant bugs | Whiteflies |
| See label for complete list of insects controlled. | |

TARGET PESTS CONTROLLED Drench Application

| | |
|--|--------------|
| Black vine weevils | Thrips pupae |
| Coleoptera grubs | Rootworms |
| Lepidoptera | Wireworms |
| See label for complete list of insects controlled. | |

APPLICATION RATES

Foliar: Spray **ANCORA** on a preventative schedule or at the first sign of pest presence. Foliar spray rates range from 14 to 28 oz. of product per 100 gal. of water, depending on the target pest and spray frequency.

Drench: For drench applications, use **ANCORA** at the rate of 14 to 28 oz. of product per 100 gal. of water. Apply **ANCORA** in sufficient water and for sufficient duration to distribute evenly to entire treated area.

Apply to moderately moist soils using volumes that thoroughly wet the soil but do not cause significant runoff or drip from pots.

Use of Ancora according to the labeling is subject to the use precautions and limitations imposed by the label affixed to the container of Ancora. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read label directions and cautions before use.

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TANK MIXING

ANCORA users should adhere to any applicable restrictions on the tank mix partner-product. If compatibility is unknown, mix a small amount of the products at the appropriate proportion in a clear jar prior to mixing a large tank.

CHEMIGATION

ANCORA may be applied through drip (trickle), sprinkler, flood (basin), furrow, or border irrigation systems.

FOLIAR APPLICATION PROGRAM

Foliar spray applications: Repeat at 3 to 5 day intervals (using the low rate) if necessary to control insect populations. **ANCORA** is compatible with most pesticides. It can be mixed with copper-based fungicides without impacting performance. However, do not mix with other fungicides, or apply within 5 days of fungicide applications other than copper.

| FOLIAGE PESTS CONTROL PROGRAM (such as: Spider mites, aphids, whiteflies, and others) | | |
|--|---|-------------------------------------|
| Application | Foliar Spray or Sprech Rate of Product per 100 gal. | |
| | Product | Recommended Rate |
| Day 1 | Ancora® + Fulcrum® | 16 oz. + 6 to 8 fl. oz. |
| Day 5 | Ancora® | 16 oz. |
| Day 10 | Azatin® 0 + Triact® 70 | 10 fl. oz. + 1.00% (128 fl. oz.) |
| Day 14 | Ancora® + Triact® 70 | 16 oz. + 0.25% (32 fl. oz.) |

DRENCH APPLICATION PROGRAM

Drench: Drench applications are aimed at thrips pupae and other soil inhabiting insect pests.

Apply at 14 to 28 oz. of product per 100 gal. of water.

| Drench per container size | Rate of solution per pot |
|---------------------------|--------------------------|
| 6 inches or less | 4 fl. oz. per pot |
| 7 to 12 inches | 8 fl. oz. per pot |
| 12 inches or greater | 16 fl. oz. per pot |



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