

# FULCRUM<sup>®</sup>

## Insect Growth Regulator



An American Vanguard Company

FOR CONTROL OF INSECTS ON SHRUBS, ORNAMENTALS, FLOWERING PLANTS, FOLIAGE PLANTS, GROUND COVERS, ORNAMENTAL TREES, AND NON-BEARING FRUIT, NUT TREES AND VINES.

### Product Information Bulletin

480

## GENERAL INFORMATION

**Fulcrum<sup>®</sup>** is a highly effective insect growth regulator (IGR) used to control a broad-spectrum of greenhouse and nursery insects.

**Fulcrum** insecticide is an 11.23% formulation of pyriproxyfen and contains 0.86 lbs. of active ingredient per gallon.

**Common Name:** Pyriproxyfen

**Class:** Pyridine insect growth regulators

GROUP	7C	INSECTICIDE
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**Packaging:** 1 quart (32 fl. oz.) container, 4 per case

## RESTRICTED ENTRY INTERVAL (REI) AND SIGNAL WORD

REI = **12 hours** Signal Word = **CAUTION**

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Coveralls over short-sleeved shirt and short pants, or long sleeved shirt and pants
- Chemical resistant gloves, such as barrier laminate or viton ≥ 14 mils
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing or loading product

## MODE OF ACTION

**Fulcrum** interferes with the key molting hormone, ecdysone, which prevents insects from progressing from one life stage to the next.

## ADVANTAGES

- **Contact and Ingestion and Translaminar Activity**
- **Natural fit with IPM programs**
- **Soft on beneficials**
- **Controls tough pests such as fungus gnats, shore flies, and whiteflies**

## USE SITES

- **Foliage plants**
- **Ground cover**
- **Flowering plants**
- **Non-bearing fruit, nut trees**
- **Ornamental trees**
- **Ornamental plants**
- **Shrubs**
- **Vines**

## APPLICATION AND RATES

**Foliar spray:** Spray **Fulcrum** on a preventative 14-day schedule or at the first sign of insect presence. Foliar spray rates range from 6 to 12 fl. oz. per 100 gallons of water, depending on target insect.

**Drench:** Use **Fulcrum** at the rate of 2 fl. oz. per 100 gallons of water. Apply **Fulcrum** in sufficient water and 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.

## INSECTS CONTROLLED

Fungus Gnats  
Leafminers  
Hard Scales

Soft Scales  
Shore Flies  
Whiteflies

## PRODUCT APPLICATION TIPS

- **Fulcrum** controls nymphs/larvae and pupae, and negatively affects development of viable eggs.
- **Fulcrum** penetrates the leaf surface of several ornamental plants. Therefore, it is active to the insect when feeding on plant tissue.
- Apply in early to mid-morning or late after- noon. This is especially important with whitefly adults which are typically sedentary on the undersides of leaves at this time.
- While adequate coverage is recommended, **Fulcrum** provides effective control in instances when complete coverage of underside of leaves has not been achieved.
- **Fulcrum** has been shown to be effective for foliar applications using Electrostatic Spraying Systems, PulsFog® Systems or other low volume systems.

- Do not use low volume systems to control soil inhabiting insects such as fungus gnats and shore flies.
- Do not apply to Salvia, Ghost Plant, Boston Fern, Schefflera, Gardenia, and Coral Bells due to observed injury.
- Do not apply to Poinsettia after bract formation.

## TANK MIXING

**Fulcrum** user should adhere to any applicable restrictions on the tank mix product. If the compatibility of tank mix partners are unknown, mixing a small amount of the products in a clear jar is advised prior to mixing a large tank.

## CHEMIGATION

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

California only: Do not apply **Fulcrum** through any type of irrigation system.

## FULCRUM RECIPE FOR SUCCESS ON KEY PESTS

**Fulcrum** should be an integrated part of any insect control program. **Fulcrum** is compatible with most insecticides and fungicides. **Fulcrum** will help growers achieve control of tough insect pests as part of a total program.

Insect	Application	Application comments	Rate per 100 gallons	General comments
Fungus Gnat / Shore Fly	Drench	One application per crop cycle.	2 fluid ounces	Saturate only the top 1" to 1.5" of soil or media. For optimal control apply under benches or where insects tend to breed.
Whitefly	Spray	Make a second application 14 to 28 days later.	6 to 8 fluid ounces	Spray when adult insects are first observed.
Soft and Hard Scales	Spray	Apply to all plant surfaces to the point of runoff.	8 to 12 fluid ounces	Time applications to coincide with the crawler stage of the insect.

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

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