

# **COTTON - 14 DAYS PHI OUTSIDE CALIFORNIA**

## General Information

### GENERAL INFORMATION

COURIER Insect Growth Regulator contains the active ingredient, buprofezin. It is effective against the nymph stages of whitefly, scales, mealybugs, planthoppers, and leafhoppers by inhibiting chitin biosynthesis, Suppressing oviposition of adults, and reducing viability of eggs. Treated susceptible pests may remain alive on the plant for 3- 7 days, but feeding damage during this time is typically very low.

COURIER is not disruptive to beneficial insects and mites. Good coverage is essential. Apply by ground or air in sufficient water volume. Orient nozzles to assure good coverage. Use of higher volume of water will assure better coverage, especially under adverse conditions such as hot, dry weather, and/or a dense canopy. The entire field should be treated.

Apply when economic infestations occur based on local information.

COURIER is restricted for use in Nassau and Suffolk counties in the State of New York.

### INSECTS CONTROLLED

Whiteflies: Silverleaf whitefly (*Bemisia argentifolii*); Sweet potato whitefly (*Bemisia tabaci*); Greenhouse whitefly (*Trialeurodes vaporariorum*); Ash whitefly (*Siphoninus phillyreae*)

### RESISTANCE MANAGEMENT

COURIER belongs to a class of chemicals not previously used as pesticides and not known to be cross-resistant to other classes of insecticides. However, insect pests are known to develop resistance to products used repeatedly. Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for the crop and use area. Such strategies may include rotating with insecticides with different modes of action. Consult your local pest control advisor or extension office for details. If resistance to

this product develops in your area, it may not provide adequate control. If you experience difficulty with control, and resistance is a likely cause, consult your local state university horticultural specialist or local agricultural authorities for the best alternative method of control.

To preserve the usefulness of COURIER, do not make more than two consecutive applications. Use an alternative chemistry with a different mode of action between applications. If a different crop in an adjacent field has been treated with COURIER against silverleaf whitefly within the past 28 days, do not apply COURIER as the first silverleaf whitefly application. Always consult your local crop advisor for the most appropriate control decision for your area. Resistance management strategies advise against applying rates lower than those recommended on the label.

## USE PRECAUTIONS

Apply in a minimum finished spray volume of 5 gallons per acre by air or 20 gallons per acre by ground unless otherwise specified in Directions for Use.

Do not plant food crops not listed on the label within 120 days following application.

Do not apply this product through any type of irrigation system.

## Limitations, Restrictions, and Exceptions

### Cotton

Do not apply within 21 days of harvest in California and 14 days outside California.

Treatment should be applied when population level reaches economic threshold. Consult local and State agricultural authorities for details. Good coverage is essential. Orient nozzles to assure good coverage. Use of a higher volume of water will assure better coverage, especially under adverse conditions, such as hot, dry weather and/or a dense canopy. The entire field should be treated.

Allow at least 28 days between applications.

See the RESISTANCE MANAGEMENT section.

### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Pre-Harvest Interval

14 days

Rates

[field rates 0](#)

[field rates 1](#)

[field rates 2](#)

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Restricted Entry Interval

12 hours

Timings

[When population level reaches economic threshold.](#)