

# **COTTON (FOLIAR: EAST OF ROCKIES ) - BOLLWORM, TOBACCO BURDWORM (ADULTS LARVAE, EGGS/DEADHATCH)**

## General Information

### GENERAL INFORMATION

ORTHENE 90 S, a soluble powder, is an insecticide for control of pests on cotton. The active ingredient in ORTHENE 90 S is acephate, a water-soluble insecticide readily absorbed by plant roots and foliage to give systemic control of feeding insects. Insect pests are generally controlled more effectively by ORTHENE 90 S through ingestion than by contact. Application of ORTHENE 90 S to maintain control should be repeated only as directed.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THE LABEL MAY RESULT IN POOR INSECT CONTROL, CROP INJURY AND/OR ILLEGAL RESIDUES.

### WATER SOLUBLE PACKAGING

This bag contains multiple water soluble packets of ORTHENE 90 S. Do not handle the packets with wet gloves or allow the packets to become wet prior to addition to spray tank. Do not break open packets. Refer to the Tables of Equivalentents to calculate the number of packets to use. If all packets are not used, close and reseal outer bag to protect remaining packet(s).

### PREPARATION OF SPRAY SOLUTION

To prepare spray solution, drop the unopened packet(s) of ORTHENE 90 S into a spray tank containing at least one-half the total quantity of water required. Direct water at the floating packet(s) and continue to add water with the agitator running until the spray volume is reached. Do not add any liquid fertilizers, micronutrients or adjuvants to the spray solution until after the packet and its contents have completely dissolved. Water soluble packet(s) should completely dissolve in approximately five minutes. Dissolution rate may be slowed by cold water, lack of agitation or water containing high concentrations of boron or sulfur.

### GENERAL USE PRECAUTIONS

Do not use treated seed for food or feed purposes or process for oil.

Do not feed treated forage or gin trash to livestock.

Do not allow animals to graze on treated areas.

Do not apply more than 4.4 lbs./A (4 lbs. ai) ORTHENE 90 S per crop cycle. This includes all foliar spray, in-furrow application and seed treatment uses.

For repeat applications use a minimum spray interval of 3 days for application rates up to and including 0.56 lb./A and a minimum of 7 days for rates exceeding 0.56 lb./A.

For Aerial Application:

Do not apply more than 1.1 lbs./A ORTHENE 90 S per application to cotton grown in AZ and CA.

Do not apply more than 0.83 lb./A ORTHENE 90 S per application to cotton grown in all other states except AZ and CA.

## RESISTANCE-MANAGEMENT

Cotton pest control programs, especially those for control of silverleaf whitefly populations, should employ a properly designed resistance-management strategy. Such resistancemanagement strategies include mixture or rotation of alternative classes of chemistry including organophosphates, carbamates, pyrethroids or insect growth regulators. Consult your state or area agricultural extension service for local resistance management strategies and advice on alternative insecticides.

Limitations, Restrictions, and Exceptions

## COTTON

Early Season: Use 0.56 lb./A for light infestation.

Mid and Late Season: Use 0.8 to 1.1 lb./A for moderate to severe infestations.

Moths of budworm larvae are controlled by direct contact with spray. Moth kill is most likely to occur when late evening applications are made.

DEADHATCH: Control of emerging larvae by consumption of treated egg casings.

By Ground: 10 to 25 gals./A of spray

By Air: 3 to 10 gals/A of spray (minimum of 5 gals./A in AZ & CA)

Days To Harvest: 21

For Aerial Application: Do not apply more than 1.1 lb./A ORTHENE 90 S per application to cotton grown in AZ and CA. Do not apply more than 0.83 lb./A ORTHENE 90 S per application to cotton grown all other states except AZ and CA.

For repeat applications, use a minimum spray interval of 3 days for application rates up to and including 0.56 lb./A and a minimum of 7 days for rates exceeding 0.56 lb./A.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field\\_rates 0](#)

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Restricted Entry Interval

24 hours

Timings

[When eggs first appear.](#)