COTTON - COTTON APHID - LOW RATE (UP TO 7 DAYS RESIDUAL CONTROL)

General Information

GENERAL INFORMATION

Carbine 50WG is a 50 percent water dispersible granular formulation of the insecticide flonicamid. Carbine 50WG provides control of a variety of aphid and plant bug pests and suppression of some non-aphid pests in cotton.

The rate of application is dependent upon the insect species present, the level of insect pressure, and the amount of foliage preesnt. Begin applications before populations begin to build or at economic thresholds according to local economic guidelines. Refer to local Cooperative Extension Guidelines and/or time applications for scouting results. Thorough plant coverage is essential for good performance.

Mode of Action. Carbine 50WG is a member of the pyridinecarboxamide class of chemistry. Carbine 50WG controls target pests by contact and ingestion provoking rapid feeding cessation. Aphids and other insects could remain on the plant until they desiccate

Resistance Management. Some insects are known to develop resistance to products used repeatedly for insect control. Carbine 50WG is effective for strategic use in programs that attempt to minimize pest resistance. Carbine 50WG is a Group 9C (selective feeding blocker) insecticide and may be tank mixed or rotated with insecticides from different groups. An insect management program that includes alternation and/or tank mixes between Carbine 50WG and other labeled insecticides that have a different mode of action and/or control insects not controlled by Carbine 50WG is essential to prevent insect resistant populations from developing. Consult with your Federal or State Cooperative Extension Service representatives for guidance on the proper use of Carbine 50WG in programs that seek to minimize the occurrence of pest resistance.

Use Restrictions

Do not use this product in greenhouses.

Do not use this product in home gardens.

Application Information

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers. Use the largest droplet size consistent with good pest control.

Thorough spray coverage of plant foliage is essential for optimum control. Apply in sufficient water to ensure good coverage. Finished spray volumes should be increased under extreme pest populations or dense plant foliage.

Ground Application

Utilize a boom and nozzle sprayer equipped with the appropriate nozzles, spray tips and screens and adjusted to provide optimum spray distribution and coverage at the appropriate operating pressures. Utilize nozzles that produce minimal amounts of fine spray droplets. Do not exceed 30 psi spray pressure unless otherwise required by the manufacturer of drift reducing nozzles. Sprayers should be adjusted to position spray tips a minimum of 18 inches above the crop. Be aware that overlaps and slower ground speeds while starting, stopping or turning while spraying may result in higher application rates.

Aerial Application

Utilize a boom and nozzle sprayer equipped with the appropriate nozzles, spray tips and screens and adjusted to provide optimum spray distribution and coverage at the appropriate operating pressures. Utilize nozzles that produce minimal amounts of fine spray droplets. Do not exceed 30 psi spray pressure unless otherwise required by the manufacturer of drift reducing nozzles. Use nozzle types and arrangements that will provide optimum coverage while producing a minimal amount of fine droplets.

Limitations, Restrictions, and Exceptions

COTTON

Begin applications as populations begin to build or at economic thresholds

according to local pest management guidelines. Use LOW RATE for building populations and/ or shorter residual.

NOTE:

Thorough spray coverage of plant foliage is essential for optimum control. Apply in sufficient water to ensure good coverage; use a minimum of 10 gallons per acre when applied by ground; use a minimum of 3 gallons per acres by air. Finished spray volumes should be increased under extreme pest populations or dense plant foliage. Banded applications should reduce the total treated area proportionally; see GENERAL INSTRUCTIONS. Allow a minimum of 7 days between applications. If identification of aphid species has not been confirmed, use HIGH RATE.

Method
Broadcast/Foliar Air
Broadcast/Foliar Ground
Pre-Harvest Interval

30 days

Rates
field_rates 0
field_rates 1

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Restricted Entry Interval

12 hours

Timings
Before populations begin to build or at economic thresholds according to local economic guidelines.