BEARING CROPS - CANEBERRY SUBGROUP 13-07A, WILD RASPBERRY

General Information

USE INFORMATION
ACRAMITE-50WS is a wettable powder in water soluble bags. ACRAMITE-50WS is a selective miticide for the control of a variety of mite pests on the crops listed on this label. When used as directed and applied to the foliage, it provides quick knockdown through contact activity, and long residual control. Due to its carbazate chemistry, mode of action and selective nature, ACRAMITE-50WS is relatively inactive against beneficial/predaceous mites and insects and therefore is compatible with IPM and resistance management programs.

ACRAMITE-50WS is not systemic in action; therefore complete coverage of both upper and lower leaf surfaces and of fruit is necessary for effective control.

MIXING INSTRUCTIONS
Always reseal the outer bag in a manner that protects the remaining packets from moisture. Fill spray tank with 1⁄2 the desired amount of water. Then add the required number of water soluble bags of ACRAMITE-50WS with agitation running to fully disperse the product. Then fill the tank with the remaining amount of required water. When tank mixing, thoroughly mix the water soluble bags before adding other products in the following order: other water soluble bags, wettable powders, dry flowables, liquid flowables, liquids and emulsifiable concentrates. Always allow each tank mix partner to disperse fully before adding the next product. Do not add products that release free chlorine or contain boron with water soluble bag formulations. Boron and free chlorine will inhibit the solubility of the water soluble bag material causing it to precipitate and form insoluble residue inside the spray tank.

Like many pesticides, ACRAMITE-50WS stability can be impacted by high pH and high temperature. For optimum performance,
maintain spray mixtures containing ACRAMITE-50WS within a range of pH 5.5 to 6.5.

Restrictions: Do not remove the water soluble bags from the container except for immediate use. Use the entire contents of one water soluble bag; do not break open

to use partial contents of a bag. Do not sell individual water soluble packets. Do not handle the inner bag with wet hands or wet gloves. Do not allow pouches to become wet prior to adding to the spray tank. Tank mixtures are permitted only in those states where the tank mix partner is registered. When tank mixing, follow the label directions for most restrictive of label precautions and limitations.

Compatibility: To obtain broad spectrum insect control ACRAMITE-50WS can be tank-mixed with other insecticide products. However, due to variations in water quality, e.g., hardness and pH, it is required that users conduct small scale trials under local conditions to ensure compatibility prior to any large scale use.

USE RATES AND DIRECTIONS
Refer to USE INSTRUCTIONS table for application rates, application number, and PHI for labeled crops.

For ground application, also refer to USE INSTRUCTIONS table for minimum gallons of spray solution per acre using equipment such as, but not limited to, compressed air, hydraulic ground boom or air-blast sprayers.

For aerial application, also refer to USE INSTRUCTIONS table for minimum gallons of spray solution per acre (or the minimum permitted by your state, but not less than shown) using either a fixed-wing aircraft or helicopter. Always use a spray volume adequate to assure complete coverage of the crop canopy.

For chemigation application, refer to CHEMIGATION USE PRECAUTIONS FOR CRANBERRY AND MINT section; USE INSTRUCTIONS table exhibits application rate range. Only one application may be made per year. Sprinkler systems must be operated at 80 to 100% during treatment application to apply the minimum amount of water possible.

To provide maximum residual control, application must be made as soon as mites appear. Use the low rate where mite infestations are light. The higher rate may be required for heavy infestations or for extended residual control.

When used as directed, ACRAMITE-50WS is effective for the control of a variety of mites species, especially spider mites, red mites and grass mites. NOTE: It is not effective against rust mites, broad mites and flat mites. ACRAMITE-50WS is primarily active on the motile stage of mites, but also has ovicidal activity against spider mites (Tetranychus species).

Restrictions:
Rotational Crops - This product has a plantback restriction of 30 days. Do not plant another crop within 30 days after last ACRAMITE application due to chances of bifenazate residues showing up in rotational crops.
- Do not tank mix oil with ACRAMITE-50WS when applying to Golden Delicious apples.
- Do not exceed the maximum amount of bifenazate allowed per crop per season, regardless of the bifenazate-containing product(s) used.

CHEMIGATION USE PRECAUTIONS FOR CRANBERRY AND MINT

A. Apply this product only through sprinkler systems, including center pivot, lateral move, end tow, side (wheel) roll, traveler,
big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system.
B. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.
C. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
D. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.
E. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make the necessary adjustments should the need arise.
F. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
G. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
H. The pesticide injection pipeline must also contain a functional, normally closed,

solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

I. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

J. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

K. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

L. Do not apply when wind speed favors drift beyond the area intended for treatment.

M. Constant agitation must be maintained in the chemical supply tank during the entire period of miticide application.

N. Inject the product with a positive displacement pump into the main line ahead of a right angle turn, to insure adequate mixing.

0. Application of more than label recommended quantities of irrigation water per acre may result in decreased product
performance by removing the chemical from the zone of effectiveness.

P. Do not apply when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Q. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of more dilute mixture per hour. Pesticide should be applied continuously for the duration of the water addition.

R. Where sprinkler irrigation patterns do not overlap sufficiently unacceptable mite control may result. Where sprinkler distribution patterns overlap excessively crop injury may result.

S. Check with state lead agencies for state specific chemigation requirements.

STRATEGIES FOR RESISTANCE PREVENTION

When used as directed, ACRAMITE-50WS combines high activity on mites with safety to benefi cial/predaceous mites and insects. In addition, the carbazate chemistry of ACRAMITE-50WS provides a means of controlling mites which have

developed resistance to commonly used products. These properties can result in fewer miticide/insecticide applications as well as general reduction in the problems caused by resistance.

ACRAMITE-50WS has demonstrated no cross resistance with other commercial miticides. ACRAMITE-50WS contains an active ingredient classified as a Group un acaricide. ACRAMITE-50WS is suitable to be used as a rotational partner with other miticides.

Follow the mite control strategies below:
- Incorporate IPM techniques into your insect control program.
- Ensure thorough spray coverage to all foliage.
- Scout regularly and apply ACRAMITE-50WS as soon as infestations are observed. Do not wait until large populations have established.
- Always apply ACRAMITE-50WS at the required rates and according to label information.
- Unless labeled otherwise, use only one application of ACRAMITE-50WS per year, and rotate to a product with a different mode of action grouping.
- Because of its selectivity, ACRAMITE-50WS can be used in conjunction with most biological control organisms available for mite control. ACRAMITE-50WS, when used as directed, does not adversely affect populations of beneficial/predaceous mites and insects (SEE table in the label.)
- The use of these organisms in conjunction with ACRAMITE- 50WS is encouraged as a means of reducing the number of chemical applications.

Limitations, Restrictions, and Exceptions

USE INSTRUCTIONS BEARING CROPS

CANEBERRY SUBGROUP 13-07A and WILD RASPBERRY

Amount Acramite-50ws Per Acre
- Use the higher rate under heavier mite pressure. For maximum control. applications must be made as soon as mites appear.
- Each water soluble bag contains 0.5 lbs. of ACRAMITE-50WS

Minimum Gallons Per Acre
Ground: 50

Minimum Days Between Applications

- 30 days
- Use a miticide with a different mode of action between any 2 applications of ACRAMITE-50WS.

Method
Broadcast/Foliar Ground
Pre-Harvest Interval

1 day

Rates
field_rates 0

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Restricted Entry Interval

12 hours

Timings
As soon as mites appear