

# **COTTON (EAST OF THE ROCKY MOUNTAINS) - LAYBY TO BOLL OPENING**

## General Information

## DIRECTIONS FOR USE

## RESTRICTED USE PESTICIDE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## SPRAY DRIFT PRECAUTIONS

**AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR AND GROWER.**

### WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS:

- Do not apply by ground within 50 feet or by air within 75 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds; estuaries and commercial fish farm ponds.
- The above excludes irrigation canals and wasteways as well as man-made irrigation conveyance structures and impoundments, unless an exclusion contains water year-round.
- Risk of exposure to sensitive aquatic areas can be reduced by making applications when the wind direction is away from the aquatic area.
- Consider inclusion of a drift control agent in the spray tank.

### Wind direction and speed

- Only apply this product if the wind direction favors on target deposition.
- Do not apply when the wind velocity exceeds 15 mph.

### Temperature inversion

- Do not make aerial or ground applications into temperature inversions.

- Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

#### Droplet size

- For ground and aerial applications apply the coarsest droplet size spectrum that provides sufficient coverage and mite control.

#### Additional Requirements for Ground Applications

- For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy.
- For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

#### Additional Requirements for Aerial Applications

- The spray boom should be mounted on the aircraft as to minimize drift caused by wingtip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of the wing span or 80% rotor diameter.
- Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.
- When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

FOR CHEMIGATION APPLICATION, refer to Chemigation Use Precautions for Corn section; Dosage Instructions table exhibits application rate range.

#### RUNOFF PRECAUTIONS

Under some conditions, propargite may have a high potential for runoff into surface water for several days after application. Do not apply in the following areas:

- frequently flooded areas (excluding crop irrigation areas).
- areas where intense or sustained rainfall is forecasted to occur within 48 hours.

Care should be taken when making applications where the following conditions exist:

- poorly draining or wet soils with readily visible slopes toward adjacent surface water.
- areas with in-field canals or ditches that drain to surface water.
- areas not separated from adjacent surface waters with vegetated filter.

Consult your soil conservation service for recommendations in your use area.

## USE RESTRICTIONS

Do not apply in spray solution above pH 10.

It is best to use COMITE® II at pH 7 or lower.

Unless the rotated crop is a registered use for propargite, the following applies:

Do not plant any root crop in rotation within 6 months after last application of propargite to labeled crops.

Do not plant other crops in rotation within 2 months after last application of propargite to labeled crops.

Registered-labeled field and vegetable uses for propargite are:

Beans, dry; Corn (sweet, field and popcorn); Cotton; Hops; Jojoba; Mint; Peanuts; Potatoes; Sorghum; Seed crops only: Alfalfa; Carrot; Clover; Sugar Beets

## GENERAL INSTRUCTIONS

COMITE II is a liquid emulsifiable concentrate for preparing sprays to control mites.

COMITE II is not systemic in action, therefore complete coverage of both upper and lower leaf surfaces and of fruit is necessary for effective control. COMITE II can be used in concentrate sprays as directed by label.

COMITE II performance is best when day temperatures average above 70°F.

## COMPATIBILITIES

Do not use penetrating surfactants. Under certain conditions a non-penetrating surfactant can be added. Rely on your prior use experience or consult your local surfactant supplier for specific recommendations.

Do not apply in combination with petroleum based foliar spray oils as phytotoxicity may occur.

COMITE II is not compatible with alkaline materials such as lime, lime sulfur or Bordeaux. The effectiveness of COMITE II will be reduced.

Except as noted, COMITE II is compatible with many pesticides. Observe all cautions and limitation of labeling of all products used in mixtures. 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 large scale use.

Contact your supplier or the company representative for additional information on compatibility.

#### CHEMIGATION USE PRECAUTIONS FOR CORN

- 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 drawn 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 insecticide application.

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

O. 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.

#### Limitations, Restrictions, and Exceptions

#### COTTON (EAST OF THE ROCKY MOUNTAINS)

#### APPLICATION INFORMATION

- Apply high rate to areas with high mite infestation and areas which historically have had high mite infestations.
- COMITE II may be phytotoxic to young cotton under certain conditions. Age and climatic conditions result in a physiological hardening when plants are generally between 6 and 12 inches tall. Applications can begin after plants are hardened.
- COMITE II may be used in concentrate sprayers designed for concentrate row crop applications. Maintain COMITE II dosage rate per acre.
- Commercially acceptable mite control may be difficult to obtain where synthetic pyrethroids are or have been used.
- See COMPATIBILITIES section.

Ground Application: Apply in 25 - 50 gallons for layby to boll opening cotton.

Aerial Application: Apply in 5 - 15 gallons total volume per acre from mid season to boll opening.

COTTON RESTRICTIONS: Apply no more than 70 fl. oz. COMITE II (3.3 lbs. propargite a.i.) per acre per year. Apply only before bolls open. The feeding of treated foliage or cotton trash to livestock and application after bolls have opened are prohibited. Do not make more than 2 applications per season; the minimal spray interval is 21 days. See AGRICULTURAL USE REQUIREMENTS for general REI exemptions. There is no exception allowed for hand weeding.

#### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Pre-Harvest Interval

50 days

Rates

[field rates 0](#)

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Restricted Entry Interval

6 days

Timings

[Begin after plants are hardened.](#)