

11273-2

5-31-78

1043



**THURICIDE® HPC  
AQUEOUS CONCENTRATE**

(EPA REG. NO. 11273-2)

**LABEL ADDITION**

CROP	PEST	QTS. PER ACRE
Cotton	Tobacco budworm Cotton bollworm	1 - 2

For the suppression of light to moderate infestations, apply at first sign of egg laying or newly hatched worms (1st and 2nd instar larvae). Reapply at 3-5 day intervals to sustain worm suppression or until adequate reduction of worm population is achieved. Use THURICIDE HPC under a pest management program that includes close scouting. If heavy worm populations occur, it may be necessary to apply an insecticide with rapid knockdown and good larvicidal activity as a replacement.

Apply from 5-15 gallons total spray per acre with ground equipment and from 2-5 gallons total spray per acre with aerial equipment.

**ACCEPTED**  
**MAY 31 1978**  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under No. 11273-2

## DIRECTIONS FOR USE

### GENERAL:

Apply at first sign of infestation when worms are small and repeat at weekly intervals as needed to maintain control. Thuricide HPC attacks the larval gut and must be eaten by the insect to be effective. Thorough underleaf coverage is, therefore, essential for best results. After eating Thuricide HPC, worms stop feeding and die within 2-3 days. Since the active ingredient, *Bacillus thuringiensis* is exempt from tolerance requirements, Thuricide HPC may be applied up to the day of harvest.

### MIXING:

Always shake or stir Thuricide HPC thoroughly before use. Pour recommended amount of Thuricide HPC onto surface of water in a nearly filled spray tank. Maintain agitation. Use the higher rates against very heavy worm infestations, or where it is difficult to get good coverage due to rank foliage. Do not allow dilute sprays to stand in the tank for more than 12 hours. Combinations with chemical insecticides, fungicides, spreader-stickers, and stickers in the tank are generally not deleterious to Thuricide HPC if the mix is used promptly.

### GROUND APPLICATION:

Use recommended amount of Thuricide HPC in a minimum of 5 to 50 gallons of water, depending on the type of crop and requirements of state regulations. Add a sticker, adhesive or deposit builder where heavy dew or rain is encountered.

### GROUND APPLICATION - TREES:

Use recommended amount of Thuricide HPC in 100 gallons of water in high pressure, high gallonage hydraulic sprayers. Wet foliage thoroughly with spray but not to the point of excessive runoff. For mist blowers use recommended amount in 10 gallons of water. To prevent washoff by rain add a sticker to the finished spray.

### AERIAL APPLICATION:

Use recommended amount of Thuricide HPC in 5 to 20 gallons of water. A sticker should be added under conditions of heavy dew or rain. Apply early morning or evening when the air is calm.



# thuricide®-HPC

HIGH POTENCY AQUEOUS CONCENTRATE

RECOMMENDATIONS: Thorough coverage is essential when using Thuricide

Crop	Pest
ALFALFA (Arizona, West Coast)	Alfalfa caterpillar
BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER, COLLARDS, KALE, MUSTARD GREENS, TURNIP GREENS	Cabbage looper
	Imported cabbage worm
	Diamondback moth
BEANS, CELERY, LETTUCE, SPINACH	Cabbage looper
CUCUMBERS (Southeast only), MELONS, POTATOES	Cabbage looper
COTTON (Arizona, California)	Cabbage looper
SOYBEANS	Soybean looper
	Cabbage looper, Green clover
	Velvetbean caterpillar
TOBACCO	Cabbage looper
	Tobacco budworm, Tobacco
TOMATOES	Cabbage looper
	Tomato hornworm
WATERMELONS (Florida)	Rindworm complex
GRAPES	Grape leaf folder
	Omnivorous leafroller (California)

ACTIVE INGREDIENTS: <i>Bacillus thuringiensis</i> Berliner, potency of 4,000 International Units (at least 6 million viable spores) per milligram *	0.8%
Petroleum hydrocarbon solvent	3.0%
INERT INGREDIENTS:	96.2%
	100.0%

\*Equivalent to 4.0 billion International Units per quart.

STORE IN A COOL PLACE

Activity may be impaired by storage at temperatures above 90° F. - Protect from freezing

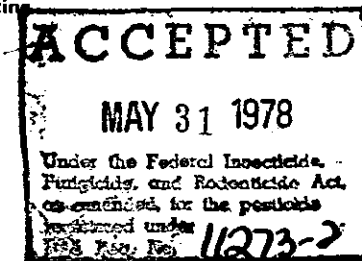
KEEP OUT OF REACH OF CHILDREN  
**CAUTION**

AVOID INHALATION OR CONTACT WITH EYES OR OPEN WOUNDS  
APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL

LOT \_\_\_\_\_  
EPA Reg. No. 11273-2  
Made in U.S.A.



Sandoz, Inc.  
Crop Protection  
Homestead, Florida 33030



NET \_\_\_\_\_  
U.S. Gallon(s)  
EPA Est. No. 36299-CA-1

The following must be applied by ground equipment only:

ORANGES (Arizona, California)	Fruit tree leafroller
	Orange dog
WALNUTS (California)	Redhumped caterpillar
SHADE TREES, ORNAMENTALS, FOREST	Spring & Fall cankerworm
	Great Basin Tent caterpillar
	Tent caterpillar
	Redhumped caterpillar (California)
	Oakmoth larvae (California)
	Gypsy moth (Northeast)

\*GYPSY MOTH: Aerial Application  
Thuricide HPC may also be applied by air to prevent excessive defoliation by gypsy expansion reaches 40% - 50%, and respray 14 days later. Use two quarts of Thuricide per acre. Incorporate in the spray mix an evaporation retardant, such as molasses, Cargill E-400, and a film-forming sticker. To obtain thorough coverage use spray equipment with an average diameter of less than 300 microns.