EPA REGISTRATION NO. DATE OF ISSUANCE U.S. ENVIRONMENTAL PROTECTION AGENCY . . OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) TERM OF ISSUANCE WASHINGTON, D.C. 20460 NAME OF PESTICIDE PRODUCT NOTICE OF PESTICIDE: PREGISTRATION of the letter of the contract All Collit 1 . 1 . REREGISTRATION (Under the Federal Insecticide, Fungicide, in leques in retreentrol. and Rodenticide Act, as amended) NAME AND ADDRESS OF REGISTRANT (Include ZIP code)  $\vdash$ tesmos itorestres, inc. one Podney Square, Saite eta will return be a 601 NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number. On the basis of information furnished by the registrant, the above named peaticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act. A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith. Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others. This product is conditionally registered in accordance with FIFRA sec.  $\beta(c)(7)(\lambda)$  provided that you: 1. Submit and/or cite all data required for registration/reregistration of your product under FiFRA sec. 3(c)(5) when the Agency require: all registrants of similar products to submit such data. 2. Add the phrase "EPA Registration No. 46364-2" to your lawel before you release the product for shipment. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final princed labeling. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFkA sec. 6(e). Your release for chipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. BEST WIALLINGE COPY Timothy A. Gardner Product Manager (17) Insecticide-Rodenticide Branch Redistration Division (15-767) ATTACHMENT IS APPLICABLE SIGNATURE OF APPROVING OFFICIAL 46-20-

EPA Form 8570-6 (Rev. 5-76)

PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED.

# cosmos BT

## FLOWABLE CONCENTRATE Biological Insect Control

### IRECTIONS FOR USE

is a violation of Federal Law to use this oduct in a manner inconsistent with its beling

"(Bacillus thuringiensis) Flowable ncentrate provides best control when terpillars are newly hatched (1st or 2nd star) and most susceptible to the product tich must be eaten. Good leaf coverage is sential to achieve effective insect control gher rates are generally necessary when festations are heavy and foliage is dense.

r armyworm control, apply to plants and oroughly to adjacent soil when larvae are und

obtain a suitable mixture with water, ur the recommended amount into a % led tank and agitate. Fill tank and mainin agitation until the mixing process is mplete. BT is compatible with various secticides, fungicides, spreaders, and ckers except those that are highly alkalis in nature. Reagitate if dilute spray is owed to stand for more than 6 hours.

r most trees, the recommended amount product may be applied by high pressure draulic sprayers in 100 gallons of water racre. Cover foliage thoroughly, but avoid noff. Mist blower applications may use -20 gallons of water per acre.

ACCEPTED
with COMMENTS
in EPA Letter Date

SEP13 1984

Under the besterd Insecticida. Functioned, and Rodenticide Act as uncoded, for the pesticide registered under EPA Rog. No.

# cosmos B

FLOWABLE CONCEN Biological Insect C

For vine, pome, citrus and tropical fruita, use recommended amount per 100 gallons water and apply 100 to 800 gallons of spray dilution per acre.

Aerial application should use recommended rates in up to 10 gallons of water per sore during early morning or evening hours when winds are low. Spreaders and stickers improve coverage and are recommended.

For small quantity, use 4 teaspoonfuls or two tablespoonful per gallon (water.

Mote: Because the active ingredient,
Bacillus thuringiensis, is exempt from
tolerance requirements, this product may
be applied up to the day of harvest and in
storage.

Motice: Local conditions may affect the use of BT. Consult State Agricultural Extension or Experiment Station Specialists for specific recommendations related to local crop protection problems Cosmoe Properties makes no warranty, express or implied, including the warranties of commercially acceptable quality and/or fitness for any particular purpose concerning this material other than those which are contained on this label

"Equivalent to 4,400 ITU per milligram product or 17 billion ITU per gall

## CAUTION: KEEP OUT OF REACH OF C

#### PRECAUTIONARY STATEMENTS

Hazards to Humans: Avoid inhalation or contact with eyes or of

## STORAGE AND DISPOSAL

**Storage:** Tightly reclose containers of unused BT. Store in cool plase impaired by continuous storage at temperatures above 100°F. **Disposal:** Drums can be used for non-food products after thoroug water. Smaller sized containers should not be reused. Perforat discard container according to local trash disposal regulations.

bull to

# FLOWABLE CONCENTRATE Biological Insect Control COSMOS

EPA Registration No. 40564-8 EPA Bet. No. 48364-DE-01 Wet Contents: 8.8 (ale 8.46 L Lot. No.

Cosmos Properties, Inc. Suite 828 824 Market Street Wilmington, DE 19801

Product of United States

Grop	Post	Quarts/Acre
Vegetables including	Armyworms	2-4
Brcocoli, Spinach, Collarda	Tomato fruitworm/Corn earworn	<b>√</b>
Cauliflower, Kale, Lettuce,	Boliworm	2(every8-7days)
Turnipa Turnip greena Besta		2
Calery, Mustard greens, Beans		<b>44-2</b>
Cabbaga, Brussel sprouts, Pear		<b>%-2</b>
Chinese Cabbage, Sweet potato		<b>4.2</b>
Kohlrabi, Endiva Sweet corn,	Loopers, Melonworm, Pickleworn	
Tomatoes, Peppers, Eggplant,	Diamondback moth	<b>⅓.1</b> ⅓
Escarole, Lentila, Potato,	Imported sabbageworm	W-1W
Carrota, Cucumbera,	Green cloverworm	₩-1₩
Melona, Squaah	Hornworm	₩·1₩ ———————————————————————————————————
Tobacco	To bacco budwozan	1.2
	Loopers	1-2
	Hornworms	₩-1₩
water per 400 lbs tobacco ur bundling or to opened bundle	ig storage use 6 fluid oz or 12 tablespo informly applied as a spray mist to is and to walls and floors of storage	leaf surfaces befor area
water per 400 lbe tobacco ur bundling or to opened bundle Bafflower, Sugar beets,	niformly applied as a spray mist to a and to walls and floors of storage Tobacco budworm/bollworm	leaf gurfaces befor area. %-2
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water per 400 lbs tobacco ur bundling or to opened bundle Samower, Sugar bests, Mints Peanuts, Alfalfs, Soybeans, Sunflowers, Hay, Pastures, Small grains, Forage crops  Turt, Rangeland  Grapes, Elueberries, Blackberries, Currants, Raspberries, Dewberries,	informly applied as a spray mist to and to walls and floors of storage  Tobacco budworm/bollworm Loopers Salt marsh enterpillar Velvetbean enterpillar Green cloverworm Skippers Alfalfa enterpillar  Sod webworm Rangeland enterpillar  Grapeleaf skaletoniser Loopers, Salt marsh enterpillar Grape leaffolder/leafrollers Hornworms	Heaf surfaces beforence.  46-2 46-2 46-2 46-2 46-2 46-1 4-8 46-1 46-2 46-2 46-2 46-2 46-2 46-2 46-2 46-2

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Apply at first and 1st and 2nd instar budworms or bollworm larvae. Use at least 7 gallons tots: - . - sy with ground equipment or 2-8 gallons/scre with serial equipment. To continue worm suppression reapply at 3.5 day intervals or use scouting report recommendations.

BT at 0.5 to 2.0 quart/acre may be tank mixed with methomyl at .225 to .675 lbs. active ingredient (Al)/acre to suppress infestations of early instar larvae

 Orop	-	Gailons (Ground Application)	Quarte/Acre (Air Application)
Peaches, Phums	Gypsy moth	1-4	2-4
Cherries, Walnuts,	Walnut caterpillar, Loopers	1-2	1.2
Almonda Pecana	Leafrollers, Green fruitworm	1-2	1-2
Filberta,	Ounkerworms	<del>¼</del> -2	1.2
Apples, Pears	Tent esterpillers	<b>4-2</b>	1.2
Avocados	Redhumped caterpillar	¼·2	1.2
	Fall webworm	1	1
Foresta Shade trees.	Armyworms	2-4	_
Ornamental plants,	Pine butterfly	2	2
Flowers	Spruos budworm	2-4	2-4
	Western spruce budworm	8	2
	Douglas fir tuesock moth	2	2
	Diamondback moth	<b>¼-2</b>	2
	Gypsy moth	1-4	2-4
	Elm spanworm	1.2	1-2
	Begworm, Seddled prominent	1-2	1-2
	Saddieback osterpiller, Leafrollers	1.2	1-2
	Loopers, Western tussock moth	1.2	1.2
	Tobacco budworm/Bollworm/ Corn sarworm	1-2	1-2
	Io moth, Mimosa webworm	1-2	1.2
	Jack pine budworm	1-2	1-2
	Oleander moth	1-2	1-2
	Fall webworm	1	1
	Tent osterillars	<b>44.2</b>	<b>14-2</b>
	Redhumped ceterpillar	¥4-2	4.2
	Cankerworms, Oakworms	₩.2	4-2
	Hornworms	<b>₩-2</b>	W-2
	(ypey moth, apply when young larv b. Repeat in 1 to 3 weeks if needed	se are present	and when les
	<ul> <li>Repeat in 1 to 3 weeks if needed.</li> <li>pruce budworm, apply when 80% of the</li> </ul>	he larvae are i	n the 3rd or 4t

Citrus Tropical fruits	Leafrollers, Hornworms, Loopers Orangedog	1 2 4 1	1-2
Stored Products: grain legumes	Indian meal moth Almord moth	20 quarts/100 gallons (6.4 fluid oz/gallon)	
peanuts, cilectic, and other seeds and grains	Mediterranean flour moth		

Continuously writate spray solution and spray at the rate of six pints per ten bushels to grain going into storage bins or bags on a conveyor or auger to obtain thorough mixing. Alternately, the top 4-6 inches of grain in a bin may be treated during the bin filling process or after filling with one quart in ten gallons water per 800 square feet surface area and raked in