

<p style="text-align: center;">US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460</p> <p><b>NOTICE OF PESTICIDE:</b> <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">EPA REGISTRATION NO. <b>43382-22</b></td> <td style="width: 50%; padding: 2px;">DATE OF ISSUANCE <b>NOV 25 1985</b></td> </tr> <tr> <td colspan="2" style="padding: 2px;">TERM OF ISSUANCE</td> </tr> <tr> <td colspan="2" style="padding: 2px;">NAME OF PESTICIDE PRODUCT <b>Bactospeine® HG Wettable Powder</b></td> </tr> </table>	EPA REGISTRATION NO. <b>43382-22</b>	DATE OF ISSUANCE <b>NOV 25 1985</b>	TERM OF ISSUANCE		NAME OF PESTICIDE PRODUCT <b>Bactospeine® HG Wettable Powder</b>	
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<p>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> <p>Biochem Products 100 Rockland Road, Suite G P.O. Box 264 Montchanin, DE 19710</p> </div> <div style="width: 35%; text-align: center; font-size: 2em;"> <math display="block">\begin{array}{r} 160 \overline{) 162,878} \\ 17 \end{array}</math> </div> </div>							
<p><b>NOTE:</b> 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.</p>							
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>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.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> <li>1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.</li> <li>2. Add the phrase "EPA Registration No. 43382-22" to your label before you release the product for shipment.</li> <li>3. 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 printed labeling.</li> </ol> <p>If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.</p> <p>A stamped copy of the label is enclosed for your records.</p> <div style="text-align: right; margin-top: 20px;"> <p>Timothy A. Gardner Product Manager (17) Insecticide-Rodenticide Branch Registration Division (TS-767)</p> </div> <p style="margin-top: 20px;">Enclosure</p>							
<p><input type="checkbox"/> ATTACHMENT IS APPLICABLE</p>							
<p>SIGNATURE OF APPROVING OFFICIAL </p>	<p>DATE <b>11-25-85</b></p>						

BACTOSPEINE<sup>R</sup>-HG WETTABLE POWDER

ACTIVE INGREDIENTS: <u>Bacillus thuringiensis</u> Berliner, var. <u>kurstaki</u> , primary powder fermentation product *.....	20%
INERT INGREDIENTS:.....	80%
	<u>100%</u>

\*Bactospeine-HG Wettable Powder contains 16,000 International Units per milligram which is equivalent to 7.3 billion International Units per pound.

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CAUTION: KEEP OUT OF REACH OF CHILDREN

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PRECAUTIONARY STATEMENTS:

Hazards to Humans: Avoid inhalation or contact with eyes or open wounds.

STORAGE AND DISPOSAL:

Storage: Tightly reclose containers of unused Bactospeine-HG. Store in cool, dry place.

Disposal: Do not reuse empty container. Perforate or crush and discard container according to local trash disposal regulations and in a safe place.

DIRECTIONS FOR USE

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

Bactospeine-HG Wettable Powder provides best control when caterpillars are newly hatched (1st or 2nd instar) and most susceptible to the product which must be eaten. Good leaf coverage is essential to achieve effective insect control. Higher rates are generally necessary when infestations are heavy and foliage is dense.

To obtain a suitable mixture with water, pour the recommended amount into a  $\frac{1}{2}$  filled tank and agitate. Fill tank and maintain agitation until the mixing process is complete. Bactospeine-HG is compatible with various insecticides, fungicides, spreaders and stickers except those that are highly alkaline in nature. Reagitate if dilute spray is allowed to stand for more than 6 hours.

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

Notice: Local conditions may affect the use of Bactospeine-HG. Consult State Agricultural Extension or Experiment Station Specialists for specific recommendations related to local crop protection problems. Biochem Products 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.

# APPLICATION RATES FOR BACTOSPEINE-HG (WETTABLE POWDER)

CROP	PEST	TEASPOONS/GALLON OF WATER
<b>Field and Greenhouse vegetables, including:</b>		
Broccoli, Spinach, Collards	Armyworms	2 - 4
Cauliflower, Kale, Lettuce, Rappini, Artichokes	Tomato fruitworm/Corn earworm	2 (every 5-7 days)
Turnips, Turnip greens, Beets	Bollworm	2
Celery, Mustard greens, Beans,	Variegated cutworm	1/2 - 2
Cabbage, Brussels Sprouts, Peas,	Salt marsh caterpillar	1/2 - 2
Chinese Cabbage, Sweet Potato,	Mimosa webworm	1/2 - 2
Kohlrabi, Endive, Sweet Corn,	Tobacco budworm	1/2 - 2
Tomatoes, Peppers, Eggplant,	Loopers, Melonworm, Pickleworm	1/2 - 1 1/2
Escarole, Lentils, Potato,	Diamondback moth	1/2 - 1 1/2
Carrots, Cucumbers,	Imported cabbageworm	1/2 - 1 1/2
Melons, Squash, Watercress	Green cloverworm	1/2 - 1 1/2
	Hornworm, Artichoke plume moth	1/2 - 1 1/2
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Turf	Sod webworm	4 - 8
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Grapes, Blueberries,		
Blackberries, Currants,	Grapeleaf skeletonizer	1 - 2
Raspberries, Hops,	Loopers, Salt marsh caterpillar	1 - 2
Strawberries,	Grape leafroller/leafrollers	1 - 2
Dewberries	Hornworms	1/2 - 1 1/2
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Peaches, Plums,	Gypsy moth	1 - 4
Cherries, Walnuts,	Walnut caterpillar	1 - 2
Almonds, Pecans,	Leafrollers	1 - 2
Filberts,	Cankerworms	1/2 - 2
Apples, Pears,	Tent caterpillars	1/2 - 2
Avocados, Kiwis	Redhumped caterpillar	1/2 - 2
	Fall webworm	1
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Forests, Shade trees,	Armyworms	2 - 4
Ornamental plants,	Pine Butterfly	2 - 4
Flowers, Shrubs	Spruce budworm	2 - 4
	Western spruce budworm	2 - 4
	Douglas fir tussock moth	2 - 4
	Diamondback moth	1/2 - 1 1/2
	Gypsy moth	1 - 4
	Elm spanworm	1 - 2
	Bagworm, Saddled promient	1 - 2
	Saddleback caterpillar, Leafrollers	1 - 2
	Loopers, Western tussock moth	1 - 2

APPLICATION RATES FOR BACTOSPEINE-HG (WETTABLE POWDER) - Continued

CROP	PEST	TEASPOONS/GALLON OF WATER
Forests, Shade trees, Ornamental plants, Flowers, Shrubs - Continued...	Tobacco budworm/Bollworm/Corn earworm	1 - 2
	Io moth, Mimosa webworm	1 - 2
	Jack Pine budworm	1 - 2
	Oleander moth	1 - 2
	Fall webworm	1
	Tent caterpillars	1/2 - 2
	Redhumped caterpillar	1/2 - 2
	Cankerworms, Oakworms, Hornworms	1/2 - 2

For best control of Gypsy moth, apply when young larvae are present and when leaf expansion is 40 - 50%, Repeat in 1 to 3 weeks.

For best control of spruce budworm, apply on population below 35 larvae per 18-inch branch tip and when 50% of the larvae are in the third and fourth instar.

Citrus, Tropical fruits	Leafrollers, Hornworms, Loopers	1 - 2
	Orangedog	1/2 - 1

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

NOV 25 1985

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

43382-22

EPA Registration No. 43382-

Net Weight: 4 ounces

EPA Est. No. 43382-FR-01

Biochem Products  
A Division of Salsbury Laboratories, Inc.  
A Member of the Solvay Group  
Montchanin, Delaware 19710