ACCEPTED

MAR 5 1985

... Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No 43382-2

BACTOSPEINE®

WETTABLE POWDER

ACTIVE INGREDIENT *Bacillus thuringiensis* Berliner var *kurstaki* primary powder fermentation product potency of 16 000 International Units per milligram of product (equivalent to 7 3 billion International Units per pound of product) 20%
INERT INGREDIENTS 80%
100%

CAUTION: KEEP OUT OF REACH OF CHILDREN

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

STORAGE AND DISPOSAL
Storage: Tightly reclose containers of unused Bactospeine 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 (*Bacillus thuringiensis*) 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 ½ filled tank and agitate Fill tank and maintain agitation until the mixing process is complete Bactospeine 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

For most trees, the recommended amount of product may be applied by high pressure hydraulic sprayers in 100 gallons of water per acre Cover foliage thoroughly, but avoid runoff Mist blower applications may use 10 20 gallons of water per acre

Spreaders and stickers improve coverage and are recommended

For vine, pome, citrus and tropical fruits, use recommended amount per 100 gallons water and apply 100 to 500 gallons of spray dilution per acre

Aerial application should use recommended rates in 5 to 10 gallons of water per acre during early morning or evening hours when winds are low Spray systems which produce a 50 300 micron droplet size are preferable

For small quantity, use 2 teaspoonfuls per gallon of water to provide an application rate of 1 lb/acre in 100 gallons of water

Note 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

Notice: Local conditions may affect the use of Bactospeine 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/(WETTABLE POWDER)

Crop	Pest	Lb/Acre
[illegible]	Armyworms	[illegible]
[illegible]	Tomato fruitworm Corn earworm Bollworm	[illegible]
[illegible]	Variegated cutworm	[illegible]
[illegible]	Salt marsh caterpillar	[illegible]
[illegible]	Mimosa webworm	[illegible]
[illegible]	Tobacco budworm	[illegible]
[illegible]	Loopers Melonworm Pickleworm	[illegible]
[illegible]	Diamondback moth	[illegible]
[illegible]	Imported cabbageworm	[illegible]
[illegible]	Green cloverworm	[illegible]
[illegible]	Hornworm Artichoke plume moth	[illegible]
[illegible]	Tobacco budworm	[illegible]
[illegible]	Loopers	[illegible]
[illegible]	Hornworms	[illegible]
[illegible]	Tobacco budworm bollworm	[illegible]
[illegible]	Loopers Sunflower moth	[illegible]
[illegible]	Salt marsh caterpillar	[illegible]
[illegible]	Green cloverworm Sorghum budworm	[illegible]
[illegible]	Skippers	[illegible]
[illegible]	Alfalfa caterpillar	[illegible]
[illegible]	Sod webworm	[illegible]
[illegible]	Rangeland caterpillar	[illegible]
[illegible]	Grapevine skeletonizer	[illegible]
[illegible]	Loopers Salt marsh caterpillar	[illegible]
[illegible]	Grape leaffolder leafroller	[illegible]
[illegible]	Hornworms	[illegible]
[illegible]	Loopers	[illegible]
[illegible]	Tobacco budworm	[illegible]
[illegible]	Budworm	[illegible]

Crop	Pest	Lb/100 Gallons (Ground Application)	Lb/Acre Air Application
[illegible]	Gypsy moth	[illegible]	[illegible]
[illegible]	Walnut caterpillar	[illegible]	[illegible]
[illegible]	Leafrollers	[illegible]	[illegible]
[illegible]	Cankerworms	[illegible]	[illegible]
[illegible]	Tent caterpillars	[illegible]	[illegible]
[illegible]	Redhumped caterpillar	[illegible]	[illegible]
[illegible]	Fall webworm	[illegible]	[illegible]
[illegible]	Armyworms	[illegible]	[illegible]
[illegible]	Pine butterfly	[illegible]	[illegible]
[illegible]	Spruce budworm	[illegible]	[illegible]
[illegible]	Western spruce budworm	[illegible]	[illegible]
[illegible]	Douglas fir tussock moth	[illegible]	[illegible]
[illegible]	Diamondback moth	[illegible]	[illegible]
[illegible]	Gypsy moth	[illegible]	[illegible]
[illegible]	Elm spanworm	[illegible]	[illegible]
[illegible]	Bagworm Saddled prominent	[illegible]	[illegible]
[illegible]	Saddleback caterpillar Leafrollers	[illegible]	[illegible]
[illegible]	Loopers Western tussock moth	[illegible]	[illegible]
[illegible]	Tobacco budworm Bollworm Corn earworm	[illegible]	[illegible]
[illegible]	Io moth Mimosa webworm	[illegible]	[illegible]
[illegible]	Jack pine budworm	[illegible]	[illegible]
[illegible]	Oleander moth	[illegible]	[illegible]
[illegible]	Fall webworm	[illegible]	[illegible]
[illegible]	Tent caterpillars	[illegible]	[illegible]
[illegible]	Redhumped caterpillar	[illegible]	[illegible]
[illegible]	Cankerworms Webworms Hornworms	[illegible]	[illegible]
[illegible]	Leafrollers Hornworms Loopers	[illegible]	[illegible]
[illegible]	Orangeleg	[illegible]	[illegible]
Stored Products	Indian meal moth	[illegible]	[illegible]
[illegible]	Almond moth	[illegible]	[illegible]
[illegible]	Mediterranean flour moth	[illegible]	[illegible]

EPA Registration No
43382-2
EPA Est No
43382-FR-01

Net Weight

Lot No

Biochem Products

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A Member of the Solvay Group
Montchanin Delaware 19710

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