



BT 320 SULFUR 50 DUST

(BACILLUS THURINGIENSIS)

ACTIVE INGREDIENTS:

Bacillus thuringiensis subspecies Kurstaki	0.064%
Sulfur	50.000%
INERT INGREDIENTS	49.936%
	100.00%

There is no direct relationship between intended activity (potency) and the Percent Active Ingredient by Weight.

Potency: 145 Million International Units per pound of this product.

Potency units should not be used to adjust use rates beyond those specified in the Directions for Use section.

EPA Reg. No. 2935-485

EPA Est. No. 2935-CA-1

KEEP OUT OF THE REACH OF CHILDREN CAUTION

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if absorbed through the skin. Avoid contact with skin, eyes or clothing. Causes moderate eye irritation. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, and shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

As a general precaution when exposed to potentially high concentrations of living microbial products such as this, all mixer/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, or P-95.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface is present or to intertidal areas below the mean high-water mark. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from treated areas.

USER SAFETY RECOMMENDATIONS

Users should:

- A) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- B) Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- C) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

PHYSICAL HAZARDS

Sulfur dust suspended in air ignites easily. Keep away from heat, sparks or flame. Do not smoke while using this product.

NET CONTENTS = 50 POUNDS

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

RESPIRATORY PROTECTION STATEMENT

100 x conversion factor x Number of units/gram in the product = %b active ingredient by weight.

The conversion factor is "Weight (grams)/unit" and a unit is either one spore-crystal complex or one cell-toxin complex.

DIRECTIONS FOR USE

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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is: A) Coveralls; B) Chemical-resistant gloves made of waterproof material; C) Shoes plus socks.

Directions for use continued:

Apply recommended amounts when air is calm, using ground equipment, aircraft or hand duster. Apply at first sign of infestation and repeat at weekly intervals when needed to maintain control. Good underleaf coverage is essential since the insect must ingest BT 320 Sulfur 50 Dust. After eating BT 320 Sulfur 50 Dust, some insects stop feeding but may otherwise appear to be unaffected for several days. Use the higher recommendations against very heavy infestations, or where it is difficult to obtain good coverage due to rank foliage. BT 320 Sulfur 50 Dust may be applied in recommended amounts up to the day of harvest.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

PRECAUTION:

Applications of sulfur should not be made just prior to or during periods of high summer temperatures. Do not make applications within 2 weeks of an oil spray. Do not use or allow this material to drift onto sulfur sensitive Melons, Squash, Cucumbers, Apricots, Spinach or other plants which may be injured by sulfur. Concord and other labrusca type grapes may be injured by sulfur.

APPLICATION RATES

Do not mix or dilute with other products. Thorough coverage is essential when using BT 320 Sulfur 50 Dust.

CROP	PEST	LBS. PER ACRE
Broccoli, Cabbage	Cabbage looper	20 - 40
Collards, Kale Mustardgreens	Imported cabbageworm	20 - 35
Cauliflower	Cabbage looper	20 - 50
	Imported cabbageworm	20 - 40
Cotton	Cabbage looper	25 - 50
Celery, Lettuce	Cabbage looper	20 - 50
Potatoes, Spinach	Cabbage looper	20 - 40
Tomatoes	Cabbage looper	20 - 40
	Tomato Hornworm	20 - 35
Turnip Greens	Imported cabbageworm	20 - 35
Sugar Beets	Powdery Mildew	35 - 50
	Two-Spotted Mite	
	Pacific Mite	
	Strawberry Mite	
Grapes	Grape Leaf Folder	20 - 50
	Powdery Mildew	
Grapes (California)	Grape Leaf Folder	20 - 50
	Omnivorous Leaf Roller	
	Powdery Mildew	

Start treating as soon as possible after hatching and before larvae are protected by leaf folds. Apply by ground equipment to obtain thorough coverage of leaf surfaces. For the control of OMNIVOROUS LEAF ROLLER and GRAPE LEAF FOLDER with a scheduled program of 4 to 6 applications, apply 12.5 to 25 lbs. per acre for each application.

For POWDERY MILDEW control, this product may be substituted for a regularly scheduled (7 to 10 day) application of Dusting Sulfur.

STORAGE AND DISPOSAL

1. **Prohibitions:** Do not contaminate water, food or feed by storage or disposal.
2. **Pesticide Storage:** Store in original container only and keep sealed. Store in closed storage areas. Use caution when moving, opening, closing or pouring. Store in cool place.
3. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.
4. **Container Disposal:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.
4. **Pesticide Storage:** Store in original container only and keep sealed. Store in closed storage areas. Use caution when moving, opening, closing or pouring. Store in cool place.

SPRAY AND DUST DRIFT STATEMENTS

APPLIED AS DUST:

Do not allow dust to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands or animals.

GROUND RIG APPLICATION:

Apply product no more than 4 feet above the ground or the crop canopy and only when wind speed is 10 mph or less at the application site as measured by an anemometer.

FOR AERIAL APPLICATIONS:

Use upwind swath displacement and apply only when wind speed is 3-10 mph as measured by an anemometer.

HAND DUSTER APPLICATION:

Do not allow spray (or dust) to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreational areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands or animals. Apply only when wind speed is not more than 10 mph. For sprays, apply largest size droplets possible.

NOTICE: The statements made on this label are believed to be true and accurate, but because of conditions of use which are beyond our control, WILBUR-ELLIS COMPANY does not make, nor does it authorize any agent or representative to make, any warranty, guaranty or representation, expressed or implied, concerning this material or the use thereof, except in conformity with the statements on the label. Neither WILBUR-ELLIS COMPANY nor the seller shall be held responsible in any manner for any personal injury or property damage or loss resulting to the buyer or the other person from handling, storage or use of this material, not in accordance with directions. The buyer assumes all risk and liability resulting from improper handling, storage or use and accepts and uses this material on these conditions.

WILBUR-ELLIS Logo® and IDEAS TO GROW WITH® are registered trademarks of WILBUR-ELLIS COMPANY.

F-702

IN CASE OF EMERGENCY, CALL CHEMTREC: (800) 424-9300

Manufactured by: WILBUR-ELLIS COMPANY - P.O. Box 16458 - Fresno, CA 93755

ACCEPTED	
NOV 1	2002
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 2935-485	

