

63191-1

4/22/2010

1 of 2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Biopesticides and Pollution Prevention Division (7511P)  
1200 Pennsylvania Avenue NW  
Washington, DC 20460

EPA Reg. Number:  
63191-1

Date of Issuance:  
APR 22 2010

Term of Issuance: Unconditional

Name of Pesticide Product:  
Milky Spore Powder

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):  
Theodore E. Reuter d/b/a St. Gabriel Organics  
14044 Litchfield Drive  
Orange, VA 22960

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA registration number.

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 (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on her 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.

Based on your response to the Reregistration Eligibility Document, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain registration of your product.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

*W. Michael McDavit*

Date:

APR 22 2010

W. Michael McDavit, Acting Director  
Biopesticides and Pollution Prevention Division

EPA Form 8570-6

CONCURRENCES

SYMBOL	7511P	7511P	7511P				
SURNAME	KAUSCH	Reynolds	Philly				
DATE	04/20/2010	4/20/10	4/21/10				

EPA Form 1320-1A (1/90)

Printed on Recycled Paper

OFFICIAL FILE COPY

ST. GABRIEL ORGANICS

# MILKY SPORE

**POWDER**

## MASTER LABEL

Sublabel A: Residential-Use

Sublabel B: Commercial-Use

**Active Ingredient:**

Spores of <i>Bacillus popilliae</i> * .....	0.02%*
Other Ingredients.....	99.98%
Total.....	100.00%

\* Equivalent to  $1 \times 10^8$  *Bacillus popilliae* spores/g

EPA Registration No. 63191-1

EPA Est. No. 63191-VA-1

MADE IN THE USA BY:

St. Gabriel Organics  
14044 Litchfield Drive  
Orange, VA 22960

**ACCEPTED**

APR 22 2010

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for  
the pesticide registered under  
EPA Reg. No. 63191-1

2012

ST. GABRIEL ORGANICS

# MILKY SPORE

## POWDER

### JAPANESE BEETLE CONTROL

For use on lawns and other grassy areas around homes, ornamental gardens and flower beds. Also for use on mulched beds and ornamental ground covers.

### READY TO USE

ACTIVE INGREDIENT:	w/w
Spores of <i>Bacillus popilliae</i> * . . . . .	0.02%*
OTHER INGREDIENTS: . . . . .	99.98%
TOTAL	100.00%

\*Equivalent to 1x10<sup>8</sup> *Bacillus popilliae* spores/g.

See other panels (or product insert) for precautionary statements, first aid, and directions for use.

### KEEP OUT OF REACH OF CHILDREN CAUTION

(Alternative Residential-Use Product Sizes:

- Net Wt. 10 oz. - TREATS 2,500 sq. ft. by spot application
- Net Wt. 1 lb - TREATS 4,000 sq. ft. by spot application
- Net Wt. 2.5 lbs - TREATS 10,000 sq. ft. by spot application
- Net Wt. 10 lbs - TREATS 1 Acre by spot application)

EPA Reg. No. 63191-1 EPA Est. No. 63191-VA-1

- LABEL RIGHT SIDE PANEL -

#### PRECAUTIONARY STATEMENTS:

##### Hazards to Humans and Domestic Animals:

**CAUTION** Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

FIRST AID	
<b>If inhaled:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.
<b>If on skin or clothing:</b>	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.
<b>If in eyes:</b>	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. Call a poison control center or doctor for treatment advice.

- LABEL RIGHT SIDE PANEL, Continued -

#### HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information or other questions call 1-800-801-0061, Monday through Friday, 9 a.m. to 5 p.m., Eastern time. During other times, call your poison control center at 1-800-222-1222.

#### Environmental Hazards:

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when heavy rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden, will help prevent run off to water bodies or drainage systems.

- LABEL LEFT SIDE PANEL -

#### DIRECTIONS FOR USE:

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

**SHAKE PRODUCT TO FLUFF POWDER BEFORE USING.** Powder tends to settle during shipment.

#### FOR USE ON LAWNS AND GRASSY AREAS, ORNAMENTAL GARDENS AND FLOWER BEDS, MULCHED BEDS AND GROUND COVER BEDS:

To control Japanese beetle grubs in lawns and these other areas, apply one level measuring teaspoon of MILKY SPORE powder on top of grass or on the ground between plants, in spots every four feet along rows four feet apart. Use 10 oz. to treat 2,500 sq. ft., 1 pound for 4,000 sq. ft., 2.5 lbs for 10,000 sq. ft., or ten pounds of MILKY SPORE powder per acre of lawn.

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- LABEL LEFT SIDE PANEL, continued -

MILKY SPORE can also be applied with the Milky Spore Dispenser Tube. Directions are included with the dispenser.

Treat your lawn or other areas specified on this label during any season of the year when the ground is not frozen and water lightly after application to soak spores into the soil.

Areas between treated spots will be inoculated naturally. Uniform, highly efficient control cannot be expected until the entire area has been inoculated.

ALTERNATE MIXING AND APPLICATION DIRECTIONS:

For lawns and other grassy areas around homes, MILKY SPORE powder can be thoroughly mixed with a granular fertilizer which has been formulated for lawns or turf and spread evenly over the treatment area with a drop spreader. Use the amount of fertilizer specified for the area of lawn you wish to treat and double the amount of MILKY SPORE powder needed for this same area (equivalent to 1.25 lbs per 2,500 sq. ft., 2 lbs per 4,000 sq. ft., or 5 lbs per 10,000 sq. ft. of lawn). The additional product is necessary to assure that the concentration of Milky Spore, present throughout the area, is high enough to initiate and maintain infection

See product insert for detailed instructions for product mixing and specified spreader settings.

- LABEL BACK PANEL -

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a cool, dry place away from direct sunlight. Keep container tightly closed to protect product from moisture.

**PESTICIDE DISPOSAL AND CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill container.

**If empty:** Place in trash or offer for recycling, if available.

- LABEL BACK PANEL, continued -

**If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**WARRANTY:**

To the extent consistent with applicable law, St. Gabriel Organics makes no other express or implied warranties, either of merchantability or fitness, for a particular use and shall not be liable for misuse or conditions beyond its control, such as handling or storage.

JAPANESE BEETLE LARVAE LIVE IN THE SOIL  
FEEDING ON TENDER GRASS ROOTS.

**USE MILKY SPORE  
TO KILL  
JAPANESE BEETLE GRUBS**

**1,000 ADULT BEETLES PRODUCE  
50,000 GRUBS EACH YEAR**

**Free Brochure:** "Organizing a Community  
Campaign against the Japanese Beetle."

Telephone: (800) 801-0061  
www.milkyspore.com

|| BarCode ||

MADE IN USA BY:  
ST. GABRIEL ORGANICS  
14044 LITCHFIELD DRIVE  
ORANGE, VIRGINIA 22960

BATCH CODE \_\_\_\_\_

- ALTERNATE MARKETING STATEMENTS -  
(FRONT OR BACK LABEL PANELS)

RID YOUR LAWN OF UNSIGHTLY BROWN SPOTS  
CONTROLS JAPANESE BEETLE GRUBS IN THE SOIL

JAPANESE BEETLE PREVENTION

USE ON GRASS AND MULCH BEDS

JAPANESE BEETLE LARVAE LIVE IN THE SOIL  
FEEDING ON TENDER GRASS ROOTS.

USE MILKY SPORE TO KILL JAPANESE  
BEETLE GRUBS

1,000 ADULT BEETLES PRODUCE 50,000 GRUBS EACH YEAR

JAPANESE BEETLE LIVE CYCLE  
GRUB: (Photo or Graphic)  
PUPA: (Photo or Graphic)  
ADULT BEETLE: (Photo or Graphic)

MILKY SPORE POWDER can be applied any time the ground is not frozen.

(Milky spore infects and controls Japanese beetle grubs in the soil and,) Once established, (MILKY SPORE) may remain viable for many years.

**TEN YEAR GUARANTEE ON THIS PRODUCT WHEN  
APPLIED AS DIRECTED**

40812

(Text of Residential-Use Product Insert)

St. Gabriel Organics

**MILKY SPORE  
POWDER**

EPA Reg. No. 63191-1

**ALTERNATIVE  
APPLICATION METHODS**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**PRECAUTIONARY STATEMENTS:**

**Hazards to Humans and Domestic Animals:**

**CAUTION** Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

FIRST AID	
<b>If inhaled:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.
<b>If on skin or clothing:</b>	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.

<b>If in eyes:</b>	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. Call a poison control center or doctor for treatment advice.
<b>HOTLINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information or other questions call 1-800-801-0061, Monday through Friday, 9 a.m. to 5 p.m., Eastern time. During other times, call your poison control center at 1-800-222-1222.	

**Environmental Hazards:**

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when heavy rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden, will help prevent run off to water bodies or drainage systems.

**DIRECTIONS FOR USE:**

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

**SHAKE PRODUCT TO FLUFF POWDER BEFORE USING.** Powder tends to settle during shipment.

**TRADITIONAL SPOT INOCULATION METHOD (BY TEASPOON):**

To control Japanese beetle grubs in lawns and other grassy areas, ornamental gardens and flower beds, in mulched beds and ornamental ground covers, apply one level measuring teaspoon of MILKY SPORE powder on top of grass or between plants, in spots every four feet along rows four feet apart. Use 10 oz. to treat 2,500 sq. ft.,

1 pound for 4,000 sq. ft., 2.5 lbs for 10,000 sq. ft., or ten pounds of MILKY SPORE powder per acre (43,560 sq. ft.). Treat your lawn or other areas specified on this label during any season of the year when the ground is not frozen and water lightly after application to soak spores into the soil.

Areas between spots will be inoculated naturally as grubs become infected with Milky Disease, multiplying the spore and spreading it to areas between inoculation spots.

Uniform, highly efficient control cannot be expected until the entire area has been inoculated.

**SPOT INOCULATION METHOD WITH MILKY SPORE POWDER DISPENSER TUBE:**

Milky Spore dispenser tubes take the work out of treating large areas. Each dispenser holds up to 2.5 pounds of MILKY SPORE powder; enough to treat up to a quarter of an acre (10,000 sq. ft.) before refilling.

To apply powder, simply hold the dispenser tube 6 inches above the ground and shake at four foot intervals as you walk over the area being treated. The adjustable slider port at the bottom of the dispenser tube allows for rate control when powder flow is affected by high or low humidity.

**Filling and Use Directions for Dispenser Tube:**

- FLUFF POWDER while in its original container by vigorous shaking.
- Remove solid cap at top of dispenser and pour the powder through a funnel into the dispenser. A piece of paper\* rolled into a funnel will work as well.
- Invert filled dispenser tube and rotate the dispenser cap to expose the push tab. Remove the tab with a knife point or the end of a strong key.
- Adjust position of slider port in the rotating cap and test over a sheet of newspaper\* until one shake of the dispenser releases one teaspoon of MILKY SPORE powder.
- To apply powder in a checkerboard pattern, simply hold the dispenser tube 6 inches above the ground and shake at four foot intervals along rows that are four feet apart throughout the treatment area.
- Water the treated lawn or other treated area lightly after application to soak spores into the soil.

50412

*(Text of Residential-Use Product Insert-Continued)*

\* User must dispose of any paper used to fill the dispenser tube and any newspaper used to calibrate the dispenser in an appropriate manner once they have completed the relevant steps.

**INOCULATION BY DROP SPREADER:**

For lawns and other grassy areas around homes, MILKY SPORE powder can be thoroughly mixed with a granular fertilizer which has been formulated for lawns or turf and spread evenly over the treatment area with a drop spreader. Use the amount of fertilizer specified for the area of lawn you wish to treat and double the amount of MILKY SPORE powder needed for this same area (equivalent to 1.25 lbs of MILKY SPORE powder per 2,500 sq. ft., 2 lbs per 4,000 sq. ft., or 5 lbs per 10,000 sq. ft. of lawn). The additional product is necessary to assure that the concentration of Milky Spore, present throughout the area, is high enough to initiate and maintain infection. Use the drop spreader setting specified for your spreader on the fertilizer label.

Instead of granular fertilizer, you may mix MILKY SPORE powder with dry top soil, sand, finely ground clay (Fuller's Earth), peat moss or organic compost, or your own custom mixture of these materials. Make sure that none of the components of the mixture will clog the drop spreader you use.

**MIXING & DROP SPREADER APPLICATION DIRECTIONS:**

- Empty the specified amount of granular fertilizer (or other diluents mentioned above) for your treatment area into a large plastic tub or tray. (A clean cement mixing tray or wheelbarrow would be ideal.)
- Add twice the amount of MILKY SPORE powder that would be used to spot inoculate the treatment area. Use a hoe or shovel to thoroughly mix the granular fertilizer (or other diluents) and spore powder.
- Fill the drop spreader with this mixture.
- Apply the mixture uniformly over the treatment area with the spreader settings specified on the label of the granular fertilizer or the primary component of your custom mixture. If the label of

that material does not specify a range of drop spreader settings, start with the setting shown in the following table for finely ground components and adjust the setting as required to cover the entire treatment area.

- Water the treated lawn lightly after application to soak spores into the soil.

**SPECIFIED SPREADER SETTINGS:**

*These settings are appropriate for use with MILKY SPORE Powder in a mixture of finely ground components.*

Earthway EvnSpreader 7300su Drop .....	5
Greenview Drop Spread .....	5
Republic Drop ez 530 .....	6
Scotts 3000 Acu-spread Drop .....	5
Sears Drop 1935 .....	7
Tru Temper Drop .....	6
Ortho Drop .....	6
Ames Drop Spreader .....	2
Sta-Green Spreader .....	2

If your MILKY SPORE - fertilizer mixture is not finely ground, or your spreader is not listed in these specifications or it is old and worn, use the following procedure.

**To determine the correct calibration or setting:**

Apply one pound of your MILKY SPORE - fertilizer mixture on a strip of turf along one edge your lawn. Determine the coverage area of this mixture by multiplying the length of the treated strip by its width. If the treated area is larger than expected (greater than the area specified for 1 pound of fertilizer), you have not applied enough of the mixture and will need to increase the spreader setting. If the treated area is smaller than expected, you have applied more material than needed and will need to decrease the spreader setting. Repeat this procedure until your spreader has distributed the correct amount of mixture for the covered area.

To spread out the cost of inoculation of lawns and other grassy areas around homes by drop spreader, six applications of a more dilute mixture of MILKY SPORE powder and granular fertilizer, dry top soil, sand, finely ground clay (Fuller's Earth) or limestone, peat moss or organic compost, or your own custom mixture of these materials may be applied by drop spreader in the Spring, Summer and Fall of two successive years to reach a total application of 1.25 lbs of MILKY SPORE powder per 2,500 sq. ft., 2 lbs per 4,000 sq. ft., or 5 lbs per 10,000 sq. ft. of lawn).

Follow the "Mixing and Drop Spreader Application Directions" specified above, but use only one third the amount of MILKY SPORE powder that would be used to treat your area of lawn in a single application by the traditional spot inoculation method. With this method, you should use 7 oz. of MILKY SPORE powder per 2,500 sq. ft., 10 oz. per 4,000 sq. ft., or 1.7 lbs per 10,000 sq. ft. of lawn in each of six successive applications.

**Always water the treated lawn lightly after application to soak spores into the soil.**

**MADE IN USA BY:**

ST. GABRIEL ORGANICS  
14044 LITCHFIELD DRIVE  
ORANGE, VIRGINIA 22960

EPA Est. No. 63191-VA-1

Telephone: (800) 801-0061  
www.milky spore.com

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*(Text of Dispenser Insert)*

**St. Gabriel Organics  
LAWN & GARDEN  
DISPENSER**

**“Milky Spore Dispenser  
Tube”**

**For application of  
MILKY SPORE POWDER**  
(EPA Reg. No. 63191-1, for Japanese  
Beetle grub control),  
**FERTILIZER or GARDEN  
DUST**

(Packed 12 dispensers per Display case.  
*Dispensers are sold as empty units only.  
MILKY SPORE POWDER and other  
products sold separately.*)

Milky Spore dispenser tubes take the work out of treating large areas. Each dispenser holds up to 2.5 pounds of MILKY SPORE powder; enough to treat up to a quarter of an acre (or 10,000 sq. ft.) before refilling.

Alternatively, the tube may be used for dispensing other garden dusts. (Wash out the dispenser tube with warm soapy water and then rinse with water only. Allow to thoroughly air dry before and after use of MILKY SPORE or any other garden dust. Follow label directions for disposal of washwater or rinsate.)

To apply MILKY SPORE powder, simply hold the dispenser tube 6 inches above the ground and shake at four foot intervals as you walk over the area being treated. The adjustable slider port on

the bottom of the dispenser tube allows for rate control (See Fig. 1) when powder flow is affected by high or low humidity.

**DISPENSER USE DIRECTIONS:**

It is a violation of Federal law to use any EPA registered pesticide product in a manner inconsistent with its labeling.

Observe all precautions and follow all use directions on the label of any EPA registered pesticide which you apply with this dispenser.

**FOR APPLICATION OF MILKY SPORE powder:**

- FLUFF POWDER while in its original container by vigorous shaking.
- Remove solid cap at top of dispenser and pour the powder through a funnel into the dispenser. A piece of paper\* rolled into a funnel will work as well.
- Invert filled dispenser tube and rotate the dispenser cap to expose the push tab. Remove the tab with a knife point or the end of a strong key. (Figure 1)
- Adjust position of slider port in the rotating cap and test over a sheet of newspaper\* until one shake of the dispenser releases one teaspoon of MILKY SPORE powder. (Figure 2)
- To apply powder in a checkerboard pattern, simply hold the dispenser tube 6 inches above the ground and shake at four foot intervals along rows that are four feet apart throughout the treatment area. (Figure 3)
- Water the treated turf or other treated area lightly after application to soak spores into the soil.

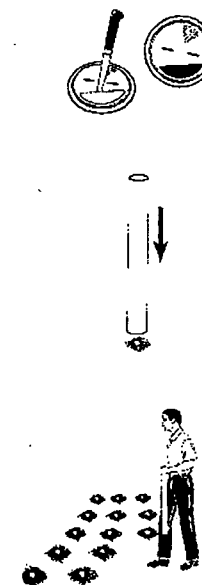
\* User must dispose of any paper used to fill the dispenser tube and any newspaper used to calibrate the dispenser in an appropriate manner once they have completed the relevant steps.

MADE IN USA BY:

ST. GABRIEL ORGANICS  
14044 LITCHFIELD DRIVE  
ORANGE, VIRGINIA 22960  
Phone: 800-801-0061  
www.milkyspore.com

EPA Est. No. 63191-VA-1

Figures, Numbers 1 - 3



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ST. GABRIEL ORGANICS

# MILKY SPORE

## POWDER

### JAPANESE BEETLE CONTROL

For use on lawns and other grassy areas around homes, ornamental gardens and flower beds. Also for use on mulched beds, ornamental ground covers and on recreational or ornamental turf.

### READY TO USE

ACTIVE INGREDIENT :	w/w
Spores of <i>Bacillus popilliae</i> * .....	0.02%*
OTHER INGREDIENTS: .....	99.98%
TOTAL	100.00%

\*Equivalent to 1x10<sup>8</sup> *Bacillus popilliae* spores/g.

See other panels or product insert for precautionary statements, first aid, and directions for use.

### KEEP OUT OF REACH OF CHILDREN CAUTION

(Alternative Commercial-Use Product Sizes:

Net Wt. 2.5 lbs - TREATS 10,000 sq. ft. by spot application

Net Wt. 10 lbs - TREATS 1 Acre by spot application)

EPA Reg. No. 63191-1 EPA Est. No. 63191-VA-1

- LABEL RIGHT SIDE PANEL -

#### PRECAUTIONARY STATEMENTS:

##### Hazards to Humans and Domestic Animals:

**CAUTION** Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wear a long-sleeved shirt, long pants, socks, shoes, waterproof gloves, protective eyewear, and a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95 when handling this product. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

FIRST AID	
<b>If inhaled:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.
<b>If on skin or clothing:</b>	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.
<b>If in eyes:</b>	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. Call a poison control center or doctor for treatment advice.

- LABEL RIGHT SIDE PANEL-Continued -

#### HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information or other questions call 1-800-801-0061, Monday through Friday, 9 a.m. to 5 p.m., Eastern time. During other times, call your poison control center at 1-800-222-1222.

#### Environmental Hazards:

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

Do not contaminate water when disposing of equipment washwater or rinsate.

- LABEL LEFT SIDE PANEL -

#### DIRECTIONS FOR USE:

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

**SHAKE PRODUCT TO FLUFF POWDER BEFORE USING.** Powder tends to settle during shipment.

**FOR USE ON LAWNS AND GRASSY AREAS, ORNAMENTAL GARDENS AND FLOWER BEDS, MULCHED BEDS AND GROUND COVER BEDS AND ON RECREATIONAL OR ORNAMENTAL TURF:**

To control Japanese beetle grubs in lawns, turf or these other areas, apply one level measuring teaspoon of MILKY SPORE powder on top of grass or on the ground between plants, in spots every four feet along rows four feet apart. Use 10 oz. to treat 2,500 sq. ft., 1 lb for 4,000 sq. ft., 2.5 lbs for 10,000 sq. ft., or ten pounds of MILKY SPORE powder per acre of turf.

MILKY SPORE can also be applied with the Milky Spore Dispenser Tube. Directions are included with the dispenser.

Treat your lawn, turf or other areas specified on this label during any season of the year when the ground is not frozen and water lightly after application to soak spores into the soil.

80412



- LABEL LEFT SIDE PANEL-Continued -

Areas between treated spots will be inoculated naturally. Uniform, highly efficient control cannot be expected until the entire area has been inoculated.

ALTERNATE MIXING AND APPLICATION DIRECTIONS:

For lawns and high value recreational or ornamental turf, MILKY SPORE powder can be thoroughly mixed with a granular fertilizer which has been formulated for lawns or turf and spread evenly over the treatment area with a drop spreader. Use the amount of fertilizer specified for the area of turf you wish to treat and double the amount of MILKY SPORE powder needed for this same area (equivalent to 1.25 lbs of MILKY SPORE powder per 2,500 sq. ft., 2 lbs per 4,000 sq. ft., 5 lbs per 10,000 sq. ft. or 10 lbs per 20,000 sq. ft. of lawn or turf). The additional product is necessary to assure that the concentration of Milky Spore, present throughout the area, is high enough to initiate and maintain infection.

See product insert for detailed instructions for product mixing and specified spreader settings.

- LABEL BACK PANEL -

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a cool, dry place away from direct sunlight. Keep container tightly closed to protect product from moisture.

**PESTICIDE DISPOSAL:** To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. If box is contaminated, dispose of it in the manner required for the bag.

- LABEL BACK PANEL-Continued -

WARRANTY:

To the extent consistent with applicable law, St. Gabriel Organics makes no other express or implied warranties, either of merchantability or fitness, for a particular use and shall not be liable for misuse or conditions beyond its control, such as handling or storage.

JAPANESE BEETLE LARVAE LIVE IN THE SOIL FEEDING ON TENDER GRASS ROOTS.

USE MILKY SPORE TO KILL JAPANESE BEETLE GRUBS

1,000 ADULT BEETLES PRODUCE 50,000 GRUBS EACH YEAR

Free Brochure: "Organizing a Community Campaign against the Japanese Beetle."

Telephone: (800) 801-0061 www.milky spore.com

|| BarCode ||

MADE IN USA BY:

ST. GABRIEL ORGANICS 14044 LITCHFIELD DRIVE ORANGE, VIRGINIA.22960

BATCH CODE \_\_\_\_\_

- ALTERNATE MARKETING STATEMENTS - (FRONT OR BACK LABEL PANELS)

RID YOUR LAWN OF UNSIGHTLY BROWN SPOTS CONTROLS JAPANESE BEETLE GRUBS IN THE SOIL

JAPANESE BEETLE PREVENTION

USE ON GRASS AND MULCH BEDS

JAPANESE BEETLE LARVAE LIVE IN THE SOIL FEEDING ON TENDER GRASS ROOTS.

USE MILKY SPORE TO KILL JAPANESE BEETLE GRUBS

1,000 ADULT BEETLES PRODUCE 50,000 GRUBS EACH YEAR

JAPANESE BEETLE LIVE CYCLE

GRUB: (Photo or Graphic)

PUPA: (Photo or Graphic)

ADULT BEETLE: (Photo or Graphic)

MILKY SPORE POWDER can be applied any time the ground is not frozen.

(Milky spore infects and controls Japanese beetle grubs in the soil and,) Once established, (MILKY SPORE) may remain viable for many years.

TEN YEAR GUARANTEE ON THIS PRODUCT WHEN APPLIED AS DIRECTED

90812

(Text of Commercial-Use Product Insert)

St. Gabriel Organics

**MILKY SPORE  
POWDER**

EPA Reg. No. 63191-1

**ALTERNATIVE  
APPLICATION METHODS**

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**PRECAUTIONARY STATEMENTS:**

**Hazards to Humans and Domestic Animals:**

**CAUTION** Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing dust. Avoid contact with skin, eyes or clothing. Wear a long-sleeved shirt, long pants, socks, shoes, waterproof gloves, protective eyewear, and a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95 when handling this product. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

FIRST AID	
<b>If inhaled:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

<b>If on skin or clothing:</b>	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.
<b>If in eyes:</b>	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. Call a poison control center or doctor for treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information or other questions call 1-800-801-0061, Monday through Friday, 9 a.m. to 5 p.m., Eastern time. During other times, call your poison control center at 1-800-222-1222.	

**Environmental Hazards:**

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

Do not contaminate water when disposing of equipment washwater or rinsate.

**DIRECTIONS FOR USE:**

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

**SHAKE PRODUCT TO FLUFF POWDER BEFORE USING.** Powder tends to settle during shipment.

**TRADITIONAL SPOT INOCULATION METHOD (BY TEASPOON):**

To control Japanese beetle grubs in lawns and other grassy areas, ornamental gardens and flower beds, in mulched beds and ornamental ground covers, or recreational or ornamental turf, apply one level measuring teaspoon of MILKY SPORE powder

on top of grass or between plants, in spots every four feet along rows four feet apart. Use 10 oz. to treat 2,500 sq. ft., 1 pound for 4,000 sq. ft., 2.5 lbs for 10,000 sq. ft., or ten pounds of MILKY SPORE powder per acre (43,560 sq. ft.). Treat your lawn or other areas specified on this label during any season of the year when the ground is not frozen and **water lightly after application to soak spores into the soil.**

Areas between spots will be inoculated naturally as grubs become infected with Milky Disease, multiplying the spore and spreading it to areas between inoculation spots.

Uniform, highly efficient control cannot be expected until the entire area has been inoculated.

**SPOT INOCULATION METHOD WITH MILKY SPORE POWDER DISPENSER TUBE:**

Milky Spore dispenser tubes take the work out of treating large areas. Each dispenser holds up to 2.5 pounds of MILKY SPORE powder; enough to treat up to a quarter of an acre (10,000 sq. ft.) of lawn, ornamental gardens and flower beds, mulched beds, ornamental ground covers, or on recreational or ornamental turf before refilling.

To apply powder, simply hold the dispenser tube 6 inches above the ground and shake at four foot intervals as you walk over the area being treated. The adjustable slider port at the bottom of the dispenser tube allows for rate control when powder flow is affected by high or low humidity.

**Filling and Use Directions for Dispenser Tube:**

- **FLUFF POWDER** while in its original container by vigorous shaking.
- Remove solid cap at top of dispenser and pour the powder through a funnel into the dispenser. A piece of paper\* rolled into a funnel will work as well.
- Invert filled dispenser tube and rotate the dispenser cap to expose the push tab. Remove the tab with a knife point or the end of a strong key.
- Adjust position of slider port in the rotating cap and test over a sheet of newspaper\* until one shake of the dispenser releases one teaspoon of MILKY SPORE powder.
- To apply powder in a checkerboard pattern, simply hold the dispenser tube 6 inches above the ground and shake

100412

*(Text of Commercial Use Product Insert-Continued)*

at four foot intervals along rows that are four feet apart throughout the treatment area.

- Water the treated turf or other treated area lightly after application to soak spores into the soil.

\* User must dispose of any paper used to fill the dispenser tube and any newspaper used to calibrate the dispenser in an appropriate manner once they have completed the relevant steps.

**INOCULATION BY DROP SPREADER:**

For lawns, recreational and ornamental turf, MILKY SPORE powder can be thoroughly mixed with a granular fertilizer which has been formulated for lawns or turf and spread evenly over the treatment area with a drop spreader. Use the amount of fertilizer specified for the area of lawn you wish to treat and double the amount of MILKY SPORE powder needed for this same area (equivalent to 1.25 lbs of MILKY SPORE powder per 2,500 sq. ft., 2 lbs per 4,000 sq. ft., 5 lbs per 10,000 sq. ft. or 10 lbs per 20,000 sq. ft. of lawn or turf). The additional product is necessary to assure that the concentration of Milky Spore, present throughout the area, is high enough to initiate and maintain infection. **Use the drop spreader setting specified for your spreader on the fertilizer label.**

Instead of granular fertilizer, you may mix MILKY SPORE powder with dry top soil, sand, finely ground clay (Fuller's Earth), peat moss or organic compost, or your own custom mixture of these materials. Make sure that none of the components of the mixture will clog the drop spreader you use.

**MIXING & DROP SPREADER APPLICATION DIRECTIONS:**

- Empty the specified amount of granular fertilizer (or other diluents mentioned above) for your treatment area into a large plastic tub or tray. (A clean cement mixing tray or wheelbarrow would be ideal.)
- Add twice the amount of MILKY SPORE powder that would be used to spot inoculate the treatment area. Use a hoe or shovel to thoroughly mix the granular fertilizer (or other diluents) and spore powder.
- Fill the drop spreader with this mixture.

- Apply the mixture uniformly over the treatment area with the spreader settings specified on the label of the granular fertilizer or the primary component of your custom mixture. If the label of that material does not specify a range of drop spreader settings, start with the setting shown in the following table for finely ground components and adjust the setting as required to cover the entire treatment area.
- Water the treated turf lightly after application to soak spores into the soil.

**SPECIFIED SPREADER SETTINGS:**

*These settings are appropriate for use with MILKY SPORE Powder in a mixture of finely ground components.*

Earthway EvnSpreader 7300su Drop .....	5
Greenview Drop Spread .....	5
Republic Drop ez 530 .....	6
Scotts 3000 Acu-spread Drop .....	5
Sears Drop 1935 .....	7
Tru Temper Drop .....	6
Ortho Drop .....	6
Ames Drop Spreader .....	2
Sta-Green Spreader .....	2

If your MILKY SPORE - fertilizer mixture is not finely ground, or your spreader is not listed in these specifications or it is old and worn, use the following procedure.

**To determine the correct calibration or setting:**

Apply one pound of your MILKY SPORE - fertilizer mixture on a strip of turf along one edge your lawn. Determine the coverage area of this mixture by multiplying the length of the treated strip by its width. If the treated area is larger than expected (greater than the area specified for 1 pound of fertilizer), you have not applied enough of the mixture and will need to increase the spreader setting. If the treated area is smaller than expected, you have applied more material than needed and will need to decrease the spreader setting. Repeat this procedure until your spreader has distributed the correct amount of mixture for the covered area.

**To spread out the cost of inoculation of lawns and high value recreational and ornamental turf by drop spreader,** six applications of a more dilute mixture of MILKY SPORE powder and granular fertilizer, dry top soil, sand, finely ground clay (Fuller's Earth) or limestone, peat moss or organic compost, or your own custom mixture of these materials may be applied by drop spreader in the Spring, Summer and Fall of two successive years to reach a total application of 1.25 lbs of MILKY SPORE powder per 2,500 sq. ft., 2 lbs per 4,000 sq. ft., 5 lbs per 10,000 sq. ft., or 10 lbs per 20,000 sq. ft. of lawn or turf).

Follow the "Mixing and Drop Spreader Application Directions" specified above, but use only one third the amount of MILKY SPORE powder that would be used to treat your area of turf in a single application by the traditional spot inoculation method. With this method you should use 7 oz. of MILKY SPORE powder per 2,500 sq. ft., 10 oz. per 4,000 sq. ft., 1.7 lbs per 10,000 sq. ft., or 3.4 lbs per 20,000 sq. ft. of lawn or turf in each of six successive applications.

**Always water the treated lawn or turf lightly after application to soak spores into the soil.**

MADE IN USA BY:

ST. GABRIEL ORGANICS  
14044 LITCHFIELD DRIVE  
ORANGE, VIRGINIA 22960

EPA Est. No. 63191-VA-1

Telephone: (800) 801-0061  
www.milkyspore.com

11/08/12

*(Text of Dispenser Insert)*

**St. Gabriel Organics**  
**LAWN & GARDEN**  
**DISPENSER**  
**“Milky Spore Dispenser**  
**Tube”**  
**For application of**  
**MILKY SPORE POWDER**  
 (EPA Reg. No. 63191-1, for Japanese  
 Beetle grub control),  
**FERTILIZER or GARDEN**  
**DUST**

*(Packed 12 dispensers per Display case. Dispensers are sold as empty units only. MILKY SPORE POWDER and other products sold separately.)*

Milky Spore dispenser tubes take the work out of treating large areas. Each dispenser holds up to 2.5 pounds of MILKY SPORE powder; enough to treat up to a quarter of an acre before refilling.

Alternatively, the tube may be used for dispensing other garden dusts. (Wash out the dispenser tube with warm soapy water and then rinse with water only. Allow to thoroughly air dry before and after use of MILKY SPORE or any other garden dust. Follow label directions for disposal of washwater or rinsate.)

To apply MILKY SPORE powder, simply hold the dispenser tube 6 inches above the ground and shake at four foot intervals as you walk over the area being treated. The adjustable slider port on

the bottom of the dispenser tube allows for rate control (See Fig. 1) when powder flow is affected by high or low humidity.

**DISPENSER USE DIRECTIONS:**

It is a violation of Federal law to use any EPA registered pesticide product in a manner inconsistent with its labeling.

Observe all precautions and follow all use directions on the label of any EPA registered pesticide which you apply with this dispenser.

**FOR APPLICATION OF MILKY SPORE powder:**

- FLUFF POWDER while in its original container by vigorous shaking.
- Remove solid cap at top of dispenser and pour the powder through a funnel into the dispenser. A piece of paper\* rolled into a funnel will work as well.
- Invert filled dispenser tube and rotate the dispenser cap to expose the push tab. Remove the tab with a knife point or the end of a strong key. (Figure 1)
- Adjust position of slider port in the rotating cap and test over a sheet of newspaper\* until one shake of the dispenser releases one teaspoon of MILKY SPORE powder. (Figure 2)
- To apply powder in a checkerboard pattern, simply hold the dispenser tube 6 inches above the ground and shake at four foot intervals along rows that are four feet apart throughout the treatment area. (Figure 3)
- Water the treated turf or other treated area lightly after application to soak spores into the soil.

\* User must dispose of any paper used to fill the dispenser tube and any newspaper used to calibrate the dispenser in an appropriate manner once they have completed the relevant steps.

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**Figures, Numbers 1 - 3**



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