



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

April 12, 2018

Amy Plato Roberts
Regulatory Affairs Manager for Danstar Ferment AG
Lallemand Plant Care, North America
PO Box 990
Hailey, ID 83333

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Update
Company Name, Address, and Minor Label Language Changes
Product Name: Mycostop G Biofungicide
EPA Registration Number: 64137-9
Application Date: 06/21/2013
OPP Decision Number: 482134

Dear Ms. Roberts:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from

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the EPA-approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Nicola Steinmetz by phone at (703) 347-8567 or via email at steinmetz.nicola@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeannine Kausch" with a stylized flourish at the end.

Jeannine Kausch, Product Manager 92
Microbial Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure: Stamped Label

Mycostop® G Biofungicide

{Alternate Brand Name: Mycostop® Mix}

Biofungicide for [Turf and] Agronomic, Vegetable and Ornamental Crops

[For Commercial/Agricultural Uses]

Active Ingredient:

Streptomyces sp. Strain K61* 4%

Other Ingredients:..... 96%

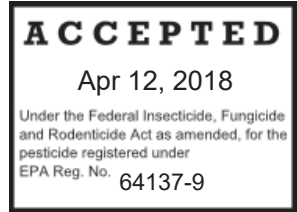
Total 100%

*1 x 10⁹ cfu (colony forming units) per 1g of product

	0.175	0.875	1.75	3.5	
Net Weight:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ounces
	5	25	50	100	grams

EPA Reg. No. 64137-9

EPA Est. _____



Use Before [Date], if stored in the refrigerator; [Date], if stored at room temperature

Keep Out of Reach of Children

CAUTION

First Aid

If Inhaled:	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
If in Eyes:	<ul style="list-style-type: none"> 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.
If on Skin or Clothing:	<ul style="list-style-type: none"> 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.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. [You may also contact [CHEMTREC] 1-800-424-9300 for emergency medical treatment information.]</p>	

{Note: The First Aid statements' grid format will be used if market label space permits; otherwise a paragraph format will be used.}
 [See back panel for First Aid and additional Precautionary Statements.]

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals - CAUTION: Harmful if inhaled. Avoid breathing dust or spray mist. 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. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear: Long-sleeved shirt, long pants, socks and shoes, and chemical-resistant gloves made of barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or Viton. **Mixers/loaders and applicators must wear:** a NIOSH-approved particulate respirator with any P or R (N – if oil base) filter with NIOSH approval number prefix TC-84A or a NIOSH-approved powered air purifying respirator with a HE filter with NIOSH approval number prefix TC-21C. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

- Users should immediately remove clothing/PPE if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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.

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 wash waters or rinsate.

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 and Tribe, consult the State or Tribal 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 the 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 4 hours. Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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: coveralls, shoes and socks and waterproof gloves.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries and greenhouses. Keep unprotected persons out of treated areas until sprays have dried.

Use Mycostop G for the control of rot (seed, root and stem) and wilt caused by *Fusarium*, *Alternaria* and *Phomopsis* of ornamentals, vegetables and tree/forest seedlings. Mycostop G also suppresses root rots of *Pythium*, *Phytophthora* and *Rhizoctonia* in the greenhouse. Use Mycostop G as a seed treatment for seed or soil-borne damping off and early root rot of vegetables, herbs and ornamentals planted in the field or greenhouse.

Disease Control

Seed Treatment

- Apply Mycostop G as a seed treatment in vegetables, herbs, tobacco, ornamentals, trees and conifers at the following rates:
 - Lettuce, gerbera and pepper: 0.015-0.03 oz. Mycostop G/lb. seed (1-2 g/kg)
 - Tobacco, ornamentals, Cole crops, leguminous plants, root crops, onions, leeks, dill, parsley, spinach, herbs, tomatoes, trees and conifers: 0.05-0.08 oz. Mycostop G/lb. seed (3-5 g/kg)
- Mix Mycostop G with seed in a planter box. As a planter box treatment, fill box half full of seed, add half the required amount of Mycostop G and thoroughly mix with a stick or paddle. Add remainder of seed and Mycostop G and thoroughly mix.
- To mix in a small container such as a jar, add the required amount of Mycostop G, shake until the seeds are coated, then pour into planter box.
- Do not treat damp or wet seed with Mycostop G.
- Do not treat Dusty Miller seeds with Mycostop G.

Mycostop G is also effective when used as a 0.01% [(5 g Mycostop G/13 gal. water)(0.18 oz. Mycostop G/13 gal. water)(5 g Mycostop G/50 liters water)] to 0.1% [(5 g Mycostop G/1.3 gal. water)(0.18 oz. Mycostop G/1.3 gal. water)(5 g Mycostop G/5 liters water)] seed soak where soaking seed for 5-15 minutes immediately prior to planting is practical. Because many ornamentals and vegetables have not been tested using a seed soak, first check emergence on a small quantity of seed.

Incorporation in Potting Media

Mix Mycostop G into potting media at a rate of 1-4 g Mycostop G/cubic yard of potting media. Apply Mycostop G as an aqueous suspension to the growth media when the media is being mechanically blended or raked in by hand in beds. Use the higher rate for higher disease pressure. It is important that Mycostop G be evenly incorporated to assure best performance. Use potting media containing Mycostop G within one month after incorporation. Do not store treated potting media above 85°F. Apply a drench or spray application of Mycostop G within 2-6 weeks as described below under **Soil Spray or Drench Applications**.

Transplant Dip or Cutting Dip

Apply Mycostop G by dipping roots of transplants or cuttings (including bare root seedlings), such as carnations, in a suspension shortly before planting. Apply a suspension of 0.01% [(5 g Mycostop G/13 gal. water)(0.18 oz. Mycostop G/13 gal. water)(5 g Mycostop G/50 liters water)] to 0.1% [(5 g Mycostop G/1.3 gal. water)(0.18 oz. Mycostop G/1.3 gal. water)(5 g Mycostop G/5 liters water)]. Use the higher rate for higher disease pressure.

Soil Spray or Drench Applications

Apply Mycostop G to bedding plants, foliage plants, flowering plants, trees, conifers, forest seedlings, tobacco, woody ornamentals, vegetable transplants or vegetables grown for production. Examples of ornamental crops include carnation, gerbera, African violet, cyclamen, geranium and pine. Examples of vegetable crops include cabbage, cucumbers, melons, peppers and tomatoes.

- **Soil Spray** – Uniformly apply Mycostop G at the rate of 0.5-2 g Mycostop G/100 sq. ft. (0.0175-0.07 oz. Mycostop G/100 sq. ft.) over the area to be treated. For example, use 0.2-0.5 gal. (1-2 liters) of 0.1% suspension [(5 g Mycostop G/1.3 gal. water)(0.18 oz. Mycostop G/1.3 gal. water)(5 g Mycostop G/5 liters water)] per 100 sq.

ft. Follow with normal irrigation or sufficient water (1/8–1/4 inch) within 6 hours to move Mycostop G into the plant root zone.

- **Drench** – Uniformly apply Mycostop G at the rate of 0.5-2 g Mycostop G/100 sq. ft. (0.0175–0.07 oz. Mycostop G/100 sq. ft.) over the area to be treated. Apply sufficient water during application to move Mycostop G into the root zone.
- **Small Seedling Production** – Apply Mycostop G at the rate of 2-4 g Mycostop G per 1000 sq. ft. [(0.07-0.14 oz. Mycostop G/1000 sq. ft.)(2-4 g Mycostop G/100 sq. meters)] over the area to be treated.

Repeat spray or drench application every 2-6 weeks as needed for disease control. Use the higher rate and more frequent application for higher disease pressure and larger plants.

Band or In-Furrow Application

Apply Mycostop G shortly before planting or at planting at the rate of 0.017-0.035 oz. Mycostop G/100 sq. ft. (0.5-1.0 g Mycostop G/10 sq. meters) in 0.025-0.1 gallons of water. Apply in a 7-inch band for banded applications. Lightly incorporate into the top 2-3 inches of soil. Apply an in-furrow application of Mycostop G at the same rates. Spray all soil that surrounds and covers the seed.

Side-Dress Application

Apply Mycostop G at the rate of 0.017-0.035 oz. Mycostop G/100 sq. ft. (0.5-1.0 g Mycostop G/10 sq. meters) in 0.025-0.1 gallons of water as a side-dress application to the plant bed. Direct spray to base of plant and root zone. Repeat treatment every 2-4 weeks or as needed.

Mixing Instructions

To make a suspension of Mycostop G, thoroughly mix the appropriate amount of product in a small volume of water such as 0.25-1.0 gallon. Before diluting to final volume, agitate this suspension to ensure product's even dispersion. Agitate suspension during use to prevent settling.

POTENTIAL GROWTH ENHANCEMENT/YIELD INCREASE*

Mycostop G promotes the growth and yield of plants, even in healthy crops. For potential growth enhancement use a rate of 5 g Mycostop G/250 sq. ft. (0.017 oz. Mycostop G/2500 sq. ft.) and repeat monthly during the crop's life. *Except in California.

AGRONOMIC USES

Use Mycostop G for the control of seed rot, root and stem rot and wilt diseases caused by *Fusarium* in agronomic crops such as cotton, corn (field), soybeans, wheat, sorghum, beans, peas, turf grass, and tree and forest seedlings.

Seed Treatment

- Apply Mycostop G as a seed treatment at the rate of 0.2-0.5 oz. Mycostop G/10 lb. of seed (0.12-0.31 g Mycostop G/kg of seed). Apply as a planter box treatment by mixing Mycostop G with the seed before planting. For best results, fill planter box half full of seed, add half the required amount of Mycostop G and thoroughly mix with a stick or paddle. Add remainder of seed and Mycostop G and thoroughly mix.
- Good results can also be obtained by mixing Mycostop G with seed in a separate container, then pouring into planter box.

Soil Spray Applications

Mixing Instructions

To make a suspension of Mycostop G, thoroughly mix in a small volume of water such as 0.25-1.0 gallon. Before diluting to final volume, agitate this suspension to ensure product's even dispersion. Agitate suspension during use to prevent settling. Do not tank mix Mycostop G with any pesticide or concentrated fertilizer.

Band or In-Furrow Application

Apply Mycostop G shortly before planting or at planting at the rate of 0.017-0.035 oz. Mycostop G/100 sq. ft. (0.5-1.0 g Mycostop G/10 sq. meters) in 0.025-0.05 gallons of water. Apply in a 7-inch band for banded applications. Lightly incorporate into the top 2-3 inches of soil. Apply an in-furrow application of Mycostop G at the same rates. Spray all soil that surrounds and covers the seed.

Turf

Use Mycostop G for the control of seed rot, root and stem rot and wilt diseases caused by *Fusarium* in turf. Mycostop G also suppresses *Rhizoctonia* brown patch and *Sclerotinia homoeocarpa* dollar spot. Apply 0.14-0.176 oz. Mycostop G per 1000 sq. ft. (4-5g Mycostop G/100 sq. meters) in 0.5 – 1.5 gallons (1.9-5.7 liters) of water. Follow with normal irrigation to move Mycostop G into the turf's root zone. Repeat treatment every 4-6 weeks as needed depending upon disease pressure.

Band or In-Furrow Application

Apply Mycostop G at the rate of 0.5-2 g Mycostop G/100 sq. ft. (0.0175–0.07 oz. Mycostop G/100 sq. ft. Apply a 7-inch band for banded applications. Lightly incorporate into the top 2-3 inches of soil. Apply an in-furrow application of Mycostop G at the same rates. Spray all soil that surrounds and covers the seed.

IMPORTANT NOTES

Drench/Spray Treatment: If a spray treatment is used, pay attention to the large particle size (up to 0.5 mm) of the product and use screens and nozzles of appropriate size. Rinse the screens and nozzles if needed. Agitate the aqueous suspension before and during use to prevent settling.

Chemigation: Do not apply Mycostop G through any type of irrigation system.

Tank Mixes: Do not tank mix Mycostop G with any pesticide or concentrated fertilizer.

Integrated Disease Control Programs: Use Mycostop G in integrated disease control programs.

Storage and Disposal

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

Pesticide Storage: Mycostop G consists of living microbes packed in moisture and air proof unit packages. Store in a dry place at room temperature (below 77°F, 25°C). After opening the packet, close tightly. See the use before date on the packet. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **Container Handling:** Non-refillable 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.

{Per PR Notice 2007-4 the batch code/lot number will appear on the label or container.}

Notice to User

Lallemand Specialties Inc. / LALLEMAND PLANT CARE warrants only that this product conforms to the product description on this label and is reasonably fit for the purposes set forth in the Directions for Use when used in accordance with them. However, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use, storage or handling of the product contrary to the label instructions, all of which are beyond the control of Lallemand Specialties Inc. / LALLEMAND PLANT CARE. To the extent consistent with applicable law, all such risks shall be assumed by the user. To the extent consistent with

applicable law, Lallemand Specialties Inc. / LALLEMAND PLANT CARE shall not be liable for indirect or consequential damages resulting from the use, storage or handling of this product. Lallemand Specialties Inc. / LALLEMAND PLANT CARE Makes No Warranties of Merchantability or Fitness for Particular Purpose or Any Other Express or Implied Warranty Except as Stated Above.

Mycostop® G is a registered trademark of Danstar Ferment AG

Manufactured for:

Danstar Ferment AG / LALLEMAND PLANT CARE
Poststrasse 30
Zug CH-6300 Switzerland

Marketing Company:

Lallemand Specialties Inc. / LALLEMAND PLANT CARE
6120 West Douglas Avenue
Milwaukee, WI 53218
United States



[] Denotes optional/alternative language

{ } Denotes language that does not appear on the market label