

69592-18

09/22/2005

1/7



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

EPA Reg. Number:
69592-18

Date of Issuance:
9/22/05

Term of Issuance: Conditional

Name of Pesticide Product:
Glissade™

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Mr. Gary N. Clark
Director, Regulatory Affairs
AgraQuest, Inc.
1530 Drew Avenue
Davis, CA 95616

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.

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 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.

The registration application referred to above, submitted in connection with registration under § 3(c)(7)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you do the following terms and conditions.

1. Submit/cite all data required for registration of your product under FIFRA § 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit production information for this product to the Registration Division (7505C) for the fiscal year in which this product is conditionally registered, in accordance with FIFRA § 29. The fiscal year begins October 1 and ends September 30. Production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.
3. This registration is registered under FIFRA § 3(c)(7)(C) because of outstanding data as discussed in the Biopesticide Registration Action Document for the active ingredient *Muscodor albus* QST 20799. Submit the following data within the specified timeframes:
 - a) analysis of 5 production batches to include identification and enumeration of bacterial and fungal contaminants, unintentional ingredients, certification of limits, and viability to confirm

Signature of Approving Official:

(See second page for signature)

Date:

9/22/05

the proposed Quality Assurance and Quality Control techniques maintain regulatory standards. You may submit these analyses as batches are produced.

All batches containing metabolites or unintentional ingredients of toxicological concern, or human pathogens above regulatory levels, must be appropriately destroyed.

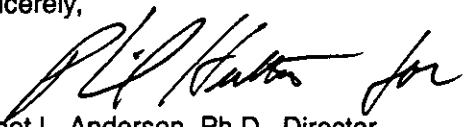
- b) data supporting the claim for storage stability in submissions made to the Agency claiming that the End-use Product (EP) is stable for one (1) year. You must submit these data within eighteen (18) months of the date of this registration notice.
- c) an acute inhalation toxicity test in rats to demonstrate that the volatiles produced on rehydration of the EP do not pose a worker inhalation exposure risk. The rodents are to be exposed through the nose to a mixture of all the volatiles, in the ratios produced on rehydration, at 1000 times the concentration of the expected exposure level. You must submit these data within eighteen (18) months of the date of this registration notice.

5. Submit five (5) copies of the revised final printed labeling before you release the product for shipment.

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.

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

Sincerely,



Janet L. Andersen, Ph.D., Director
Biopesticides and Pollution Prevention Division (7511C)

encl: label

GLISSADETM

[For Use in Greenhouses and Nurseries]

[For Use to Control Soil Borne Diseases and Nematodes]

[Pre-Plant Treatment for Control of Soil Borne Diseases and Nematodes]

[NOP Logo: Can be used for Organic Production]

[NOP Logo: For Organic Production]

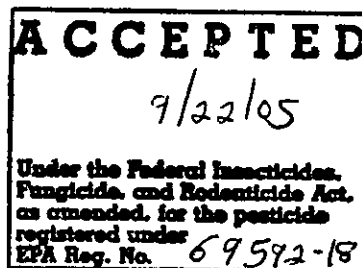
ACTIVE INGREDIENT:

Muscodor albus Strain QST 20799* .. 0.35%

OTHER INGREDIENTS:..... 99.65%

TOTAL:..... 100.00%

*Contains a minimum of 1 x 10⁵ cfu/g



EPA Registration No. (Pending File Symbol 69592-18)

EPA Establishment No. 69592-MEX-1

TM

Contents : Contents : [20 lbs, 50 lbs, 100 lbs to 900 lbs. and larger bulk containers 1000 lbs. and larger]

Manufactured by:

AgraQuest, Inc.
1530 Drew Avenue
Davis, CA 95616

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID	
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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
See back panel for additional precautionary statements.	

PRECAUTIONARY STATEMENTS

Hazard to humans and domestic animals:
CAUTION. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

Personal Protective Equipment (PPE): Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. **Mixer/loaders and applicators must wear a dust/mist-filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95.** Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Follow manufacturer's instructions for cleaning / maintaining PPE. Keep and wash PPE separately from other laundry.

User Safety Requirements: Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 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: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not contaminate water when cleaning equipment or disposing of equipment washwater. This product has not been evaluated for hazards to nontarget insects, fish, aquatic invertebrates and other aquatic organisms.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. 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.

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 intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

There is a restricted entry of (4) hours after incorporation into growing media when used in enclosed environments.

For early entry into enclosed areas of treated growing media wear PPE; long sleeved shirt, long pants, gloves, shoes plus socks, and a dust/mist-filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95.

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 or greenhouses.

Unprotected persons should not handle product.

Wear PPE; long sleeved shirt, long pants, gloves, shoes plus socks, and a dust/mist-filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95.

GENERAL INFORMATION

Glissade is a broad-spectrum bio-fumigant that controls economically important soil-borne diseases and nematodes in greenhouses and nurseries. When activated and under the appropriate treatment conditions, Andante produces volatile compounds that control and suppress plant pathogenic fungi and bacteria and nematodes.

GREENHOUSE AND NURSERY SOIL DISEASE AND NEMATODE CONTROL

Glissade provides control of root rots, damping off and wilt diseases caused by *Aphanomyces* spp., *Fusarium* spp., *Phytophthora* spp., *Pythium* spp., *Rhizoctonia* spp. and *Verticillium* spp. and soil-borne nematodes; *Meloidogyne* spp., *Pratylenchus* spp. in the following soils and growing media :

- Compost piles
- Potting soils
- Seed and propagating beds
- Soil media

Soil and Growing Media Preparation and Conditions:

1. Soil/growing media to be treated should be in seedbed condition free of clods and plant residue.
2. Soil/growing media temperature must be between 40°F and 85°F (5°C and 30°C) during treatment and at least 48 hours after treatment.
3. Soil must have sufficient moisture for seed germination or to sustain transplants (approximately 20% to 50% field capacity). Water the soil to achieve and maintain this level. **This is essential for re-hydration and activation of Glissade.**
4. Excessive rainfall or irrigation within 48 hours after treatment creating saturated soil conditions will negatively impact performance.

Use Rate:

1. Use **1 to 8** ounces of Glissade per cubic foot of soil/growing media.
2. Use the higher rates in soil/growing media that contain high pathogen and nematode levels.

Application/Incorporation:

1. Uniformly apply and blend Glissade with soil/growing media, using equipment (rotary cultivator, rototiller, blender, etc.) appropriate for the volume of soil/growing media to be treated.

2. Incorporate into soil/growing media immediately following application or during application.

3. For small volumes of soil/growing media, Glissade may be applied and blended by hand utilizing gloves and the appropriate personal protection equipment.

Seeding/Planting/Transplanting**Instructions:**

1. Wait at least 5 to 7 days after treatment before seeding or transplanting.

VEGETABLES, FRUITS, NUTS, FLOWERS, ORNAMENTALS, SHRUBS AND TREES TO USE FOR DIRECT SEEDING AND TRANSPLANTING INTO SOIL/GROWING MEDIA TREATED WITH GLISSADE

Plant or seed the following greenhouse and nursery, bearing and nonbearing plants in soil treated with Glissade.

VEGETABLES, BULBS AND CORMS:

Bulb Vegetables: Onion, Garlic, Shallots and other bulb vegetables

Cole Crops: Broccoli, Cabbage, Cauliflower, Brussels Sprouts, Collards, Kale, Mustard Greens, Kohlrabi and other brassica crops

Cucurbits: Cucumber, Cantaloupe, Melon, Muskmelon, Squash, Watermelon and other cucurbit crops

Fruiting Vegetables: Pepper, Tomato, Eggplant, Ground Cherry, Tomatillo, Okra and other fruiting vegetables

Legumes Vegetables: Beans, Green beans, Snap beans, Shell beans, Soybeans, Dry Beans, Garbanzo beans, Lima beans, Peas, Chick peas, Split peas, Lentils and other legume/vegetable crops

Root/Tuber and Corm Vegetables: Carrot, Potato, Sweet Potato, Beets, Ginger, Horseradish, Radish, Gingseng, Turnip and other root/ tuber and corm crops.

Herbs: Rosemary, Thyme, Mint, Basil, Mustards and other herb crops.

FRUITS AND NUT PLANTS (Potted)

Berry Crops: Blueberries, Blackberry, Raspberry, Loganberry, Huckleberry, Cranberry, Gooseberry, Elderberry, Currant, Caneberry, and other berry crops

Grape

Pome Fruit: Apple, Crabapple, Pear, Quince, Mayhaw and other pome fruit

Stone Fruit: Apricot, Cherry, Nectarine, Peach, Plum, Prune and other stone fruit crops

Strawberry

Avocado **Kiwi** **Mango** **Papaya**
Pineapple

Citrus: Orange, Grapefruit, Lemon, Tangerine, Tangelo, Pummelo and other citrus crops

Tree Nut Crops: almonds, beechnut, Brazil nut, cashew, chestnut, filbert, hickory nut, macadamia nut, pecan, pistachios, walnut

FLOWERING PLANTS, ORNAMENTALS, SHRUBS, TREES, SEEDS, BULBS AND CORMS:

- Annual flowering plants
- Perennial flowering plants
- Tropical foliage plants
- Potted flowers
- Ornamentals
- Shrubs
- Conifers
- Deciduous Trees
- Forest Nurseries
- Ginseng

CROP TOLERANCE

Glissade has been tested for safety on several vegetable and ornamental species; however, it is not possible to test this product with all species and cultivars under all treatment conditions. Conduct a small-scale preliminary trial to check the cultivar's sensitivity before using this product on a large scale.

RESTRICTIONS

- Do not apply Glissade to dry soil or soil at field capacity moisture.
- Do not apply Glissade when soil temperature is below 40°F (5°C) or above 85°F (30°C).
- Do not mix or apply Glissade with pesticides or other additives.
- Do not apply farmyard manure, peat, other organic fertilizers, burnt lime, or lime nitrogen just before treatment or during the pre-plant treatment period (5-7 days hours for seeding and transplanting).
- Do not apply Glissade to growing crops, use only as a pre-plant soil treatment.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a dry place, between 40°F - 85°F (5°C - 30°C), out of direct sunlight and away from heat sources. Keep from overheating or freezing. Keep container tightly closed minimize exposure to moisture.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Do not reuse empty container. Completely empty container [bag]. Then dispose of empty container [bag] in a sanitary land fill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Glissade™ is a registered trademark of AgraQuest, Inc.

© Copyright AgraQuest, Inc., 2003

Made in Mexico

AgraQuest, Inc.
1530 Drew Avenue
Davis, California 95616
www.agraquest.com

CONDITIONS FOR SALE AND WARRANTY

AgraQuest warrants to those persons lawfully purchasing this product that at the time of the first sale of this product by Seller that this product conformed to its description and was reasonably fit for the purposes stated on the label when used in accordance with Seller's directions. Buyers and users of this product assume the risk of any use contrary to such directions. EXCEPT AS PROVIDED ELSEWHERE IN WRITING CONTAINING AN EXPRESS REFERENCE TO THIS WARRANTY AND LIMITATION OF DAMAGES,

SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OR GUARANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO. To the extent permitted by state law, the Seller's liability for any breach of warranty shall not exceed the purchase price of the material as to which a claim is made.

To the extent permitted by state law, Buyers and users of this product are responsible for all loss or damage from use or handling of this product which results from conditions beyond the control of Seller, or without the fault or negligence of the Seller, or from failure to follow the label.