

69592-16

6/3/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUN 03 2009

Ms. Sherry D. Heins
Product Registration Manager
AgraQuest, Incorporated
1540 Drew Avenue
Davis, CA 95618-6320

RE: AgraQuest, Incorporated; Serenade® Garden™ Disease Control Ready to Use
EPA Registration No. 69592-16
Minor Label ("Fast Track") Amendment
Submission dated 12/04/2008
Decision #408383

Dear Ms. Heins:

The Agency has reviewed your request to amend the subject product registration, which included the following changes to the product label:

- 1) Clarification of the alternate brand names.
- 2) Addition of several marketing claims.
- 3) Adjustment from "Inert Ingredients" to "Other Ingredients" in accordance with Pesticide Registration (PR) Notice 97-6.
- 4) Modification of some of the Hazards to Humans and Domestic Animals and First Aid statements in accordance with Chapter 7 of the Label Review Manual.
- 5) Modification of the Environmental Hazards statements in accordance with PR Notice 2008-1.
- 6) Enhancement of the application/use instructions in the Directions for Use.
- 7) Correction of minor formatting and typographical errors.
- 8) Addition of explanatory language to the phytotoxicity paragraph in the Directions for Use.
- 9) Addition of the disease, Red Thread (*Laetisaria fuciformis*), under the Lawn and Turf Diseases section in the Directions for Use.
- 10) Update to the Storage and Disposal statements in accordance with PR Notice 2007-4.
- 11) Update to the physical address of AgraQuest, Incorporated.
- 11) Addition of the OMRI and AgraQuest, Incorporated logos.

CONCURRENCES

SYMBOL	7511P	7511P						
SURNAME	KAUSCH	Ruby						
DATE	06/03/2009	6/3/09						

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Sherry D. Heins
EPA Registration No. 69592-16

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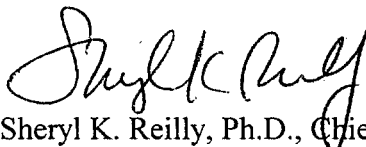
The changes referred to above, submitted in connection with registration under FIFRA section 3(c)(5), are acceptable provided that you:

- 1) Submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
- 2) Submit two (2) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of a final printed label.

Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions. If you have any questions contact Jeannine Kausch at 703-347-8920 or by email at kausch.jeannine@epa.gov.

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

Sincerely,



Sheryl K. Reilly, Ph.D., Chief
Microbial Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)

Enclosures (2):
-Serenade® Garden™ Disease Control
Ready to Use Accepted Label
-A-79 Enclosure

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[Note to Reviewer: All text in brackets is optional language for the final printed container label.]

Serenade® Garden™ Disease Control Ready to Use

[Alternate Names for Turf Label when sold for hose-end sprayers:]

- [Serenade Garden Lawn Disease Control – Ready to Use]
- [Serenade Garden Turf Disease Control – Ready to Use]
- [Serenade Garden Disease Control for Lawns - Ready to Use]
- [Serenade Garden Disease Control for Turf - Ready to Use]

[Optional/Alternate Statements:]

- [For Home and Garden Use]
- [For Home, Garden and Lawn (Turf) Use]

[Optional/Alternate Statements:]

- ["NOP Logo: For Organic Gardening"]
- ["NOP Logo: Can Be Used for Organic Gardening"]
- ["NOP Logo: For Organic Lawn Care"]

[Optional Claims:]

- [Attacks over 40 diseases]
- [Attacks both fungal & bacterial diseases]
- [Apply any time of day]
- [Will not burn or injure [leaves] [lawns] [(turf)] [sod]]
- [Fungicide (or Biofungicide) that attacks harmful garden and lawn diseases]
- [[For] Use on Roses, Vegetables, Fruits, Flowering Plants, Trees, Shrubs and Lawns (Turf) [Sod]]
- [Controls Bacterial Spot, Powdery Mildew, Rust, Gray Mold, Leaf Blight, Scab] [and other listed diseases]
- [Same active ingredient used by farmers]
- [Effectively controls or prevents a wide range of fungal and bacterial plant diseases]
- [Promotes healthier gardens]
- [Prevents and controls harmful garden diseases]
- [Powered by AgraQuest]

[Optional Claims for Lawn and Turf Label:]

- [Prevents and controls harmful (major) lawn diseases (including Brown Patch, Dollar Spot)]
- [Controls Brown Patch, Dollar Spot and other listed common lawn diseases]
- [Use anytime on all lawns to prevent and control major lawn diseases]
- [Promotes healthy disease-free lawns]
- [Same active ingredient used on golf courses]
- [Promotes Greener, Healthier Lawns]
- [Promotes greener, healthy disease-free lawns]
- [Easy to use]
- [Powered by AgraQuest]

ACCEPTED

JUN 03 2009

ACTIVE INGREDIENT:

QST 713 strain of <i>Bacillus subtilis</i> *	0.074%
OTHER INGREDIENTS	99.926%
TOTAL	100.000%

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 69592-16

*Contains a minimum of 1 x 10⁸ CFU/g

KEEP OUT OF REACH OF CHILDREN

CAUTION

[For smaller container sizes:]

[See attached booklet for First Aid Statements, Precautionary Statements, Storage and Disposal Instructions and Directions for Use.]

[Peel back tab for First Aid and Precautionary Statements and Directions for Use.]

EPA Reg. No. 69592-16

EPA Est. No.:

01 02 03 04 05

69592- 67545- 66728- 37429- 69592-

MEX-1 AZ-1 GA-2 GA-2 CA-1

[Superscript corresponds to last two digits of lot number on container]

U.S. Patent Nos. 6,060,051, 6,103,228, 6,291,426, and 6,417,163 on QST 713 strain of *Bacillus subtilis*

Net contents: [20 fluid ounces OR 24 fluid ounces OR 28 fluid ounces OR 32 fluid ounces]

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Avoid breathing spray mist. Remove and wash contaminated clothing before reuse. As a general precaution, when exposed to a living microbial product such as this, wear a dust particle mask when applying this product.

FIRST AID

IF INHALED:

- 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 further treatment advice.

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

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 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.

DIRECTIONS FOR USE

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

GENERAL USE INFORMATION

Serenade Garden Disease Control Ready To Use (RTU) [This product] [Alternate Statement: is a broad spectrum, preventative biofungicide recommended for the control or suppression of many important plant diseases.] [Alternate Statement: effectively controls or prevents a wide range of important fungal and bacterial plant diseases.] [Serenade Garden Disease Control Ready To Use] It may be used on roses, vegetables, fruits, nuts, flowers, houseplants, foliage, trees, shrubs, lawns, turf, sod, and ornamental turf [located in residential landscapes][located in residential greenhouses] [located in commercial landscapes] [located in commercial interiorscapes].

[QUICK FACTS]

[READ THE LABEL FIRST!]

[READ LABEL FIRST graphic]

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9**WHEN TO USE**

- For best results, treat prior to foliar disease development or at the first sign of foliar disease infection.

[OPTIONAL Section: FOR BEST RESULTS]

- Shake Well Before Use.
- Spray to ensure thorough coverage.]

HOW TO USE [Alternate statement: APPLICATION INSTRUCTIONS]

- Shake well before using.
- Spray leaves, stems and new shoots to runoff providing complete coverage of the entire plant.
- For best results, treat prior to foliar disease development or at the first sign of foliar disease infection.
- Repeat at 7-day intervals or as needed.
- [Under conditions of high disease pressure,] When environmental conditions favor rapid disease development (high humidity, excessive rain, extreme moisture condition, etc.), spray more often [Alternate: shorten the spray interval].
- Do not water foliage within 4 hours of application.
- Do not allow spray to drift from application site.
- [[This product] Serenade Garden Disease Control Ready To Use may be applied any time of day, in full sun and high temperatures, without stressing or burning foliage.]
- [Serenade Garden Disease Control Ready To Use can be applied up to and including the day of harvest.]

[ALTERNATE STATEMENT: WHERE TO USE: VEGETABLES, FRUITS, NUTS, ORNAMENTALS, TREES, SHRUBS, FOLIAGE, FLOWERS, FLOWERING PLANTS, AND TROPICAL PLANTS]

[ALTERNATE STATEMENT: USE SITES: VEGETABLES, FRUITS, NUTS, ORNAMENTALS, TREES, SHRUBS, FOLIAGE, FLOWERS, FLOWERING PLANTS, AND TROPICAL PLANTS.]

[SERENADE GARDEN DISEASE CONTROL READY TO USE] MAY BE USED ON [THE FOLLOWING]: [Alternate: VEGETABLES, FRUITS, NUTS, ORNAMENTALS, TREES, SHRUBS, FOLIAGE, FLOWERS, FLOWERING PLANTS, AND TROPICAL PLANTS] [Alternate: PLANTS, CROPS, SITES]

[HOME and GARDEN] [VEGETABLE[S], FRUIT[S] AND NUT[S]] PLANTS:]

[Artichoke, Asparagus

Berries (Blueberry, Blackberry, Raspberry, Loganberry, Huckleberry, Cranberry, Gooseberry, Elderberry, Currant, Caneberry and other berry crops)

Brassica (Broccoli, Cabbage, Cauliflower, Brussels Sprouts, Collards, Kale, Mustard Greens, Kohlrabi and other brassica crops)

Bulb Vegetables (Onion, Garlic, Shallots and other bulb vegetables)

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

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

Fruiting Vegetables (Pepper, Tomato, Eggplant and other fruiting vegetables)

Grape, Herbs/ Spices, Hop

Leafy Vegetables (Lettuce, Celery, Spinach, Parsley, Radicchio and other leafy vegetable crops)

Legumes/Vegetables (Beans, Green Beans, Snap Beans, Shell Beans, Dry Beans, Garbanzo Beans, Lima Beans, Peas, Chick Peas, Split Peas, Lentils and other legumie/vegetable crops)

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Mango, Mint, Olive, Papaya, Peanuts**Pome Fruit** (Apple, Crabapple, Pear, Quince, Mayhaw and other pome fruit)**Root /Tuber** (Carrot, Potato, Sweet Potato, Beets, Ginger, Horseradish, Radish, Ginseng, Turnip and other root/tuber crops)**Stone Fruit** (Apricot, Cherry, Nectarine, Peach, Plum, Prune and other stone fruit crops)**Strawberry, Sweet Corn, Tobacco, Watercress****Tree Nut** (Almond, Pistachio, Pecan, Walnut, Filberts, Chestnut, Cashew, Beechnut, Butternut and other tree nut crops)]**[RESIDENTIAL] [GREENHOUSE PLANTS:]****[Brassica** (Broccoli, Cabbage, Cauliflower, Brussels Sprouts, Collards, Kale, Mustard Greens, Kohlrabi and other brassica crops)**Bulb Vegetables** (Onion, Garlic, Shallots and other bulb vegetables)**Cucurbits** (Cucumber, Cantaloupe, Melon, Muskmelon, Squash, Watermelon and other cucurbits)**Fruiting Vegetables** (Pepper, Tomato, Eggplant and other fruiting vegetables)**Herbs/ Spices****Leafy Vegetables** (Lettuce, Celery, Spinach, Parsley, Radicchio, and other leafy vegetables)**Root / Tuber** (Carrot, Potato, Sweet Potato, Beets, Ginger, Horseradish, Radish, Ginseng, Turnip and other root/ tuber crops)**Strawberry]****[ORNAMENTALS, TREES, SHRUBS, FOLIAGE, FLOWERS, FLOWERING PLANTS, TROPICAL PLANTS:]****[Roses]****[Other Ornamentals, Trees, Shrubs, Foliage, Flowers, Flowering Plants, Tropical Plants including any or all of the plants listed as evaluated for phytotoxicity as shown below:]****[PLANTS EVALUATED FOR PHYTOTOXICITY]****[Annual and Perennial Flowering Plants:]**

[Alyssum	Asters	Azalea
Begonia	Calla Lily	
Chrysanthemum	Cyclamen	Dianthus
Dwarf Bee-Balm	Easter Lily	
Garden Phlox	Geraniums	Gerbera
Golden Star	Hydrangea	Impatiens
Kalanchoe	Linaria	Lisianthus
Lobelia	Marigolds	Orchids
Pansies	Petunia	Poinsettia
Portulaca	Ranunculus	Roses
Salvia spp.	Snapdragons	Stock
Verbena spp.	Vinca	Violas
Zinnias]		

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[Tropical Foliage:]

[*Aglaonema* Dieffenbachia
Dracaena spp. English Ivy
 Hibiscus Leatherleaf Fern
 Spathiphyllum]

[Trees and Shrubs:]

[Azalea Boxwood
 Crape Myrtle Dogwood
 Gumbo Azalea Indian Hawthorn
 Japanese Maple *Ligustrum japonicum*
 Lilac Loropetalum
 Photinia Rhododendron
 Rosaceae spp. Soft Touch Holly
 Spirea.]

[ORNAMENTALS, TREES, SHRUBS, FOLIAGE, FLOWERS, FLOWERING PLANTS, TROPICAL PLANTS:]

[Optional Statement: Some pesticides can cause phytotoxic effects ranging from slight burning or browning of leaves to distorted leaves, fruit, flowers or stems. Damage symptoms may vary with the type of plant that has been treated. It is impossible to test all plants for phytotoxicity. To assure that the plants to be treated are not sensitive to the treatment, apply a small amount of the product to a few leaves or the above ground portion of a plant and check within 3 days for signs of phytotoxicity. Use product according to label directions.]

[DISEASES CONTROLLED [OR SUPPRESSED] [OR PREVENTED] [BY SERENADE GARDEN DISEASE CONTROL READY TO USE] [ON VEGETABLES, FRUIT, NUTS, AND ORNAMENTAL PLANTS] [Alternate: ON PLANTS, CROPS, SITES]

Anthracnose [(*Colletotrichum* spp.)]

Bacteria [(*Erwinia* spp., *Pseudomonas* spp., *Xanthomonas* spp.)]

Bacterial Leaf Blight [(*Xanthomonas campestris*)]

Bacterial Speck [(*Pseudomonas syringae* pv. Tomato)]

Bacterial Spot [(*Xanthomonas* spp.)] - suppression

Bean Rust [(*Uromyces appendiculatus*)] – suppression

Black Mold [(*Alternaria alternata*)]

Black Root Rot/Black Crown Rot [(*Alternaria* spp.)]

Black Spot of Rose [(*Diplocarpon rosea*)]

Botrytis [(*Botrytis* spp.)]

Botrytis Leaf Blight [(*Botrytis squamosa*)]

Botrytis Neck Rot [(*Botrytis* spp.)]

Downy Mildew [(*Bremia lactucae*, *Peronospora* spp., and *Plasmopara viticola*)] - suppression

Early Blight [(*Alternaria solani*)] – suppression

Fire Blight [(*Erwinia amylovora*)] – suppression

Gray Mold [(*Botrytis cinerea*)]

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Greasy Spot [(*Mycosphaerella citri*)] - suppression

Late Blight [(*Phytophthora infestans*)] – suppression

Leaf Spots [(*Alternaria* spp., *Cercospora* spp., *Entomosporium* spp., *Helminthosporium* spp., *Myrothecium* spp., *Septoria* spp.)]

Onion Downy Mildew [(*Peronospora destructor*)]

Onion Purple Blotch [(*Alternaria pomii*)]

Phytophthora spp.

Pin Rot [(*Alternaria/Xanthomonas* complex)] - suppression

Powdery Mildew [(*Uncinula necator*, *Erysiphe* spp., *Sphaerotheca* spp., *Oidiopsis taurica*, *Leveillula taurica*, *Podosphaera leucotricha*)]

Powdery Mildew [(*Erysiphe* spp., *Oidium* spp., *Podosphaera* spp., *Sphaerotheca* spp.)]

Rust [(*Puccinia* spp.)]

Scab [(*Venturia* spp.)] - suppression

Sclerotinia Head and Leaf Drop [(*Sclerotinia* spp.)]

Sour Rot

Target Spot [(*Corynespora cassiicola*)]

Walnut Blight [(*Xanthomonas campestris*)]

White Mold [(*Sclerotinia sclerotiorum*)] – suppression

[SERENADE GARDEN DISEASE CONTROL READY TO USE] MAY BE USED ON LAWNS, TURF [, SOD] AND ORNAMENTAL TURF

LAWNS, TURF [, SOD] AND ORNAMENTAL TURF:

Bluegrass, Bentgrass, Bermudagrass, Dichondra, Fescue, Orchard grass, Poa Annuua, St. Augustine, Ryegrass, Zoysia, Mixtures and other grasses or ornamental turf.

DISEASES CONTROLLED [OR SUPPRESSED] [OR PREVENTED] [BY SERENADE GARDEN DISEASE CONTROL READY TO USE] [ON LAWNS, TURF [, SOD] AND ORNAMENTAL TURF]

Lawn and Turf Diseases:

Brown Patch [(*Rhizoctonia solani*)]

Dollar Spot [(*Lanzia* spp., *Moellerodiscus* spp., formerly *Sclerotinia homeocarpa*)]

Powdery Mildew [(*Erysiphe graminis*)]

Rust [(*Puccinia* spp.)]

Anthrachnose [(*Colletotrichum graminicola*)]

Red Thread [(*Laetisaria fuciformis*)]

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STORAGE AND DISPOSAL

PESTICIDE STORAGE: Store in original container only. [Alternate: in an area inaccessible to children] [or Alternate: out of reach of children]. Keep container closed when not in use. Store at room temperature.

PESTICIDE DISPOSAL AND CONTAINER HANDLING:

Nonrefillable container. Do not reuse or refill this container

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

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

[batch codes are sticker applied to the front panel of every label on every product container]

CONDITONS FOR SALE AND WARRANTY

Except to the extent prohibited by applicable law, AgraQuest offers this product with the following conditions: 1) buyers and users of this product assume the risk of any storage, handling or use contrary to AgraQuest's label and directions and 2) AgraQuest's liability shall in no case exceed the purchase price of the applicable AgraQuest product.

Questions or Comments call 800-962-8980

www.agraquest.com

AgraQuest, Inc.
1540 Drew Avenue
Davis, California 95618



AGRAQUEST 

[This label modified May 2009]

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