

#### U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs

Biopesticides and Pollution Prevention Division (7511P) 1200 Pennsylvania Ave., N.W.

Washington, D.C. 20460

#### NOTICE OF PESTICIDE:

X Registration
Reregistration
(under FIFRA, as amended)

| <b>EPA</b> | Reg. | Number: |
|------------|------|---------|
|------------|------|---------|

Date of Issuance:

72155-120

2/17/2017

Term of Issuance:

Unconditional

Name of Pesticide Product:

**QST 713 H&G** 

Name and Address of Registrant (include ZIP Code):

Bayer Advanced A Business Unit of Bayer CropScience LP 2 T.W. Alexander Drive Research Triangle Park, NC 27709

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 under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or 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 the 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.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when the EPA requires all registrants of similar products to submit such data.

Signature of Approving Official:

Date:

2/17/2017

Jeannine Kausch, Product Manager 92

Microbial Pesticides Branch

Biopesticides and Pollution Prevention Division (7511P)

Office of Pesticide Programs

- 2. Make the following labeling change before you release this product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 72155-120."
- 3. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

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 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. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

Basic CSF dated 02/16/2017

Any CSFs other than that listed above are superseded.

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

Sincerely,

Jeannine Kausch, Product Manager 92

Microbial Pesticides Branch Biopesticides and Pollution

Prevention Division (7511P)

Office of Pesticide Programs

## **QST 713 H&G**

72155-REN Pending Label

### ACCEPTED

02/17/2017

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 72155-120

## **QST 713 H&G**

#### [A Wettable Powder Biofungicide]

#### [Alternate/Optional Statements as follows:]

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

[Optional/Alternate Statement: "NOP Logo: For Organic Gardening"]

[Optional/Alternate Statement: "NOP Logo: Can be Used for Organic Gardening"]

#### [Optional Claims:]

[Attacks over 40 listed diseases][Attacks both fungal & bacterial diseases]

[Apply any time of day][Will not burn or injure [leaves] [lawns] [(turf)]]

[Fungicide (or Biofungicide) that attacks harmful garden [and lawn] [(turf)] [sod] diseases]

[Use on Roses, Vegetables, Fruits, Flowering Plants, Trees, Shrubs [and Lawns] [(Turf)]]

[Controls Powdery Mildew, Rust, Gray Mold [and other listed diseases]]

[Suppresses Black Spot, Late Blight, Scab [and other listed diseases]]

[Same active ingredient used by farmers]

#### [Optional Claims for Lawn and Turf Label:]

[Prevents and controls harmful (major) lawn [turf] [sod] diseases (including Brown Patch, Dollar Spot, Red Thread)]

[Controls Brown Patch, Dollar Spot and other common lawn [turf] [sod] diseases]

[Use on all lawns to prevent and control major lawn [turf] [sod] diseases]

[Promotes healthy, disease-free lawns] [Easy!] [Attach Hose and Spray!]

[Same active ingredient used on golf courses][Promotes Greener, Healthier Lawns]

#### **ACTIVE INGREDIENT:**

| QST 713 strain of Bacillus subtilis* | 14.60%  |
|--------------------------------------|---------|
| OTHER INGREDIENTS:                   |         |
| TOTAL:                               | 100.00% |

\*Contains a minimum of 7.3 x 109 cfu/g

EPA Reg. No. 72155-REN

Establishment No:

[Reference Statement for Booklets: For FIRST AID STATEMENT, ADDITIONAL PRECAUTIONARY STATEMENTS and DIRECTIONS FOR USE: See Inside Booklet.]
[USE OF PRODUCT INDICATES ACCEPTANCE OF CONDITIONS FOR SALE AND WARRANTY"]

STOP - Read This Entire Label Before Use KEEP OUT OF REACH OF CHILDREN CAUTION

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577 For PRODUCT USE Information Call 1-877-229-3763

#### PRODUCED FOR



A Business Unit of Bayer CropScience LP P.O. Box 12014, 2 T.W. Alexander Drive Research Triangle Park, North Carolina 27709

| IF IN EYES:               | d eye open and rinse slowly and gently with water for 15 - 20 minutes.  nove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. |
|---------------------------|--|
| CLOTHING:  Rins Call Move | a poison control center or doctor for treatment advice.  |
|                           | e off contaminated clothing. se skin immediately with plenty of water for 15 - 20 minutes. a poison control center or doctor for treatment advice.             |
|                           | erson to fresh air.  erson is not breathing, call 911 or an ambulance, then give artificial respiration, erably mouth-to-mouth if possible.                    |

#### **HOTLINE NUMBER**

In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

#### PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin or inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist. 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.

#### **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. Rinsing application equipment over the treated area will help avoid 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. [For use only as described on this label. Not for isolation or deformulation. Do not culture.]

#### **BASIC USE INFORMATION**

QST 713 H&G [Alternate Statement: is a broad spectrum, preventative biofungicide for the control or suppression of many important plant diseases and] [Alternate Statement: effectively controls or prevents a wide range of important fungal and bacterial plant diseases and] [QST 713 H&G] is for use on roses, vegetables, fruits, nuts, flowers, houseplants, foliage, trees, shrubs [, lawns,] [turf,] [sod,] [and ornamental turf] [[located in residential landscapes] [, interiorscapes] [, greenhouses]]. Apply QST 713 H&G in commonly used pressurized hand-held sprayers and spray trigger bottles.

[Make QST 713 H&G applications at any time of day, in full sun and high temperatures, without stressing or burning foliage.]

[QST 713 H&G can be used on the day of harvest [and on all fruits and vegetables used in canning]].

#### [FOR ALL USES AND APPLICATION TYPES]

#### WHEN TO USE

- For best results, treat prior to foliar disease development or at the first sign of foliar disease infection.
- Repeat at 3- to 10-day intervals or as needed.
- [Under conditions of high disease pressure,] [Alternate: When environmental conditions favor rapid disease development (high humidity, excessive rain, extreme moisture condition, etc.),] spray more often [Alternate: shorten the spray interval].

#### **BEFORE YOU USE:**

#### Read and follow these directions when using:

- Do not allow spray to drift from application site.
- Do not allow spray mixture to stand overnight or for prolonged periods.

[Pressurized Hand-Held Sprayer and Spray Trigger Bottle Applications Instructions:]

#### HOW TO USE [ALTERNATE STATEMENT: MIXING AND APPLICATION INSTRUCTIONS:]

- Fill the sprayer or bottle with appropriate amounts of wettable powder and water (use water only).
- Mix the spray solution thoroughly.
- Keep spray solution agitated during application.

#### **HOW MUCH TO USE:**

## [FOR] FRUITS, VEGETABLES, NUTS [(E.G., APPLES/PEARS, BROCCOLI, CARROT, CHERRIES, CUCURBITS, GRAPES, LEAFY VEGETABLES, ONIONS/GARLIC, PEPPER, TOMATO, AND WALNUTS)]:

- Mix 1/8 cup [(2 TBSP)] to 1/2 cup [(8 TBSP)] of QST 713 H&G per gallon of water.
- Spray plants to run-off, covering both top and bottom surface of foliage to ensure thorough coverage.

### [FOR] ANNUAL AND PERENNIAL ORNAMENTAL PLANTS, FLOWERING PLANTS, TROPICAL FOLIAGE, TREES AND SHRUBS:

- Mix 1/8 cup [(2 TBSP)] to 1/2 cup [(8 TBSP)] of QST 713 H&G per gallon of water.
- Spray plants to run-off, covering both top and bottom surface of foliage to ensure thorough coverage.

#### [FOR] LAWNS[, TURF] [, SOD][ AND ORNAMENTAL TURF]:

- Mix 3 TBSP of QST 713 H&G per gallon of water.
- Apply at a rate of 1 gallon of spray solution per 500 square feet of lawn [, turf] [, sod] [and ornamental turf].

#### [OPTIONAL/ALTERNATE: [FOR] LAWNS[, TURF] [, SOD] [AND ORNAMENTAL TURF]:

- Mix 1-1/2 TBSP of QST 713 H&G per gallon of water.
- Apply at a rate of 2 gallons of spray solution per 500 square feet of lawn [, turf] [, sod] [and ornamental turf].

[QST 713 H&G MAY BE USED ON [THE FOLLOWING]: [ALTERNATE: VEGETABLES, FRUITS, NUTS, AND ORNAMENTAL PLANTS] [ALTERNATE: [PLANTS], [SITES]]

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

[ALTERNATE STATEMENT: <u>USE SITES</u>: VEGETABLES, FRUITS, NUTS, [AND ORNAMENTAL PLANTS] [FLOWERS, FOLIAGE, TREES, AND SHRUBS]

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

#### [Artichoke, Asparagus

Berries (Blueberry, Blackberry, Raspberry, Loganberry, Huckleberry, Gooseberry, Elderberry, Currant, and other berries)

Brassica Leafy Vegetables (Broccoli, Cabbage, Cauliflower, Brussels Sprouts, Collards, Kale, Mustard Greens, Kohlrabi, and other brassica leafy vegetables)

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

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

**Cucurbit Vegetables** (Cucumber, Cantaloupe, Melon, Muskmelon, Squash, Watermelon, and other cucurbit vegetables)

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

Grape, Herbs and Spices,

Leafy Vegetables (Lettuce, Celery, Spinach, Parsley, Radicchio, Watercress, and other leafy vegetables)

Legume Vegetables (Beans, Green Beans, Snap Beans, Shell Beans, Dry Beans, Garbanzo Beans, Lima Beans, Peas, Chick Peas, Split Peas, Lentils, and other legume vegetables)

Mango, Mint, Olive, Papaya, Peanuts

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

Root and Tuber Vegetables (Carrot, Potato, Sweet Potato, Beets, Ginger, Horseradish, Radish, Ginseng, Turnip, and other root and tuber vegetables)

Stone Fruit (Apricot, Cherry, Nectarine, Peach, Plum, Prune, and other stone fruit)

Strawberry, Sweet Corn

Tree Nuts (Almond, Pistachio, Pecan, Walnut, Filberts, Chestnut, Cashew, Beechnut, Butternut, and other tree nuts)]

#### [RESIDENTIAL GREENHOUSE PLANTS:]

[Brassica Leafy Vegetables (Broccoli, Cabbage, Cauliflower, Brussels Sprouts, Collards, Kale, Mustard Greens, Kohlrabi, and other brassica leafy vegetables)

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

Cucurbit Vegetables (Cucumber, Cantaloupe, Melon, Muskmelon, Squash, Watermelon and other cucurbit vegetables)

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

**Herbs and Spices** 

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

Root and Tuber Vegetables (Carrot, Potato, Sweet Potato, Beets, Ginger, Horseradish, Radish, Ginseng, Turnip, and other root and tuber vegetables)

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 Be

Chrysanthemum Cyclamen Dianthus Dwarf Bee-Balm Easter Lily Garden Phlox Geraniums Gerbera

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]

[Foliage:]

[Aglaonema Dieffenbachia Dracaena spp. English Ivy

Hibiscus Leatherleaf Fern Spathiphyllum]

[Trees and Shrubs:]

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 test plants to be treated for potential sensitivity, apply a small amount of the highest application rate 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 QST 713 H&G] [ON VEGETABLES, FRUITS, NUTS, ORNAMENTAL PLANTS] [ALTERNATE: ON [PLANTS], [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 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)]

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 porri)]

Phytophthora spp.

Pin Rot [(Alternaria/Xanthomonas complex)] – suppression

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

#### [QST 713 H&G] IS FOR USE ON LAWNS [TURF], [SOD], [AND ORNAMENTAL TURF]

#### LAWNS, [TURF], [SOD], [AND ORNAMENTAL TURF]:

Bluegrass, Bentgrass, Bermudagrass, Dichondra, Fescue, Orchardgrass, Annual Bluegrass, St. Augustine, Ryegrass, Zoysia, Mixtures, and other grasses [, turf] [, sod] [or ornamental turf].

### DISEASES CONTROLLED [OR SUPPRESSED] [OR PREVENTED] [BY QST 713 H&G] [ON LAWNS] [, TURF] [, SOD] [, AND ORNAMENTAL TURF]

#### LAWN [, TURF] [, AND SOD] DISEASES:

Brown Patch [(Rhizoctonia solani)]

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

Powdery Mildew [(Erysiphe graminis)]

Rust [(Puccinia spp.)]

Anthracnose [(Colletotrichum graminicola)]

Red Thread [(Laetisaria fuciformis)]

Fairy Ring [(Various Basidiomycetes)]

Gray Snow Mold, Typhula Blight [(Typhula spp.)]

Pink Snow Mold, Fusarium Patch [(Microdochium nivale)]

Pythium Blight [[(Pythium aphanidermatum)] [(Pythium spp.)]]

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE**: Store in a dry area inaccessible to children. Store in original container only. 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]

#### **NOTICE**

Research and testing have determined that the "Directions for Use" are appropriate for the proper use of this product under expected conditions. To the extent permitted by applicable law, the Buyer assumes responsibility for lack of performance or safety if the product is not used according to the directions on this label.

### CONDITIONS FOR SALE AND WARRANTY IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buver accepts the following Conditions. Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury, other property damage, as well as other unintended consequences may result because of factors beyond the control of Bayer CropScience LP. Those factors include, but are not limited to, weather conditions, presence of other materials or the manner of use or application. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

#### **NET WEIGHT:**

[Money Back Guaranteed: If you are not satisfied with this product, we will gladly refund your original purchase price.]

#### PRODUCED FOR



A Business Unit of Bayer CropScience LP P.O. Box 12014, 2 T.W. Alexander Drive Research Triangle Park, North Carolina 27709

QST 713 H&G (PENDING) 09/13/2016, 01/20/2017, 02/15/2017