



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Biopesticides and Pollution Prevention Division (7511P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

92311-3

Date of Issuance:

4/17/2020

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

CeraFruta

Name and Address of Registrant (include ZIP Code):

Ceradis B. V.
 Agrobusiness Park 10
 6708 PW Wageningen
 The Netherlands

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.
2. Submit storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) data as these data requirements are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of this registration to provide these data to the EPA.

Signature of Approving Official:

Andrew Bryceland, Team Leader
 Biochemical Pesticides Branch
 Biopesticides and Pollution Prevention Division (7511P)
 Office of Pesticide Programs

Date:

4/17/2020

3. Make the following labeling change before you release this product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 92311-3.”
4. 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 Statements of Formula (CSFs):

- Basic CSF dated 03/31/2020
- Alternate CSF #1 dated 03/31/2020
- Alternate CSF #2 dated 03/31/2020
- Alternate CSF #3 dated 03/31/2020

Any CSFs other than those listed above are superseded.

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OPP Decision No. 548662

If you have any questions, please contact Menyon Adams of my team by phone at (703) 347-8496 or via email at adams.menyon@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is written in a cursive style with a large initial 'A' and a long, sweeping tail.

Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

CERAFRUTA

For use to control several postharvest diseases on citrus, pome fruit, stone fruit, cherries, avocado, kiwi, mango, and pomegrante

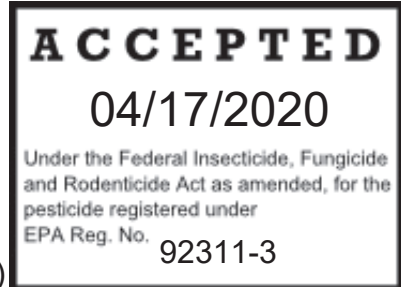
ACTIVE INGREDIENT:

Natamycin 13.459%

OTHER INGREDIENTS: 86.541%

TOTAL 100.000%

Contains 1.25 lbs Natamycin per gallon (150 grams Natamycin per Liter)



KEEP OUT OF REACH OF CHILDREN

CAUTION

See [back][side] panel for additional Precautionary Statements

FIRST AID	
If swallowed	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
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	<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.
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 mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
<p>Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 (NPIC Web site: www.npic.orst.edu). For emergencies, call the poison control center 1-800-222-1222, 24 hours a day, 7 days a week.</p>	

EPA Reg. No. 92311-

EPA Est. No.

Batch Code:

Net Contents: 2.5 gallons

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION. Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor. 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

[Container sizes less than 5 gallons] 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 water or rinsate.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators, and other all handlers must wear:

- Long-sleeved shirt
- Long pants
- Socks plus shoes

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

DIRECTIONS FOR USE

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

Product Description

CeraFruta contains the biological molecule, Natamycin. Natamycin is a natural fermentation product of soil bacteria as a defense mechanism against fungi. The mode of action of Natamycin is unique and does not affect any other type of microorganism. CeraFruta is a stable liquid fungicide for post harvest treatment that will protect the fruit against a broad spectrum of diseases.

Mixing Instructions

Fill tank with half of the required amount of water or water wax and start mechanical agitation. Add the required amount of CeraFruta and then add the remaining volume of water or water wax. Maintain agitation after mixing. For in-line injection systems, better distribution will be achieved by injecting a larger volume of a more dilute solution per unit of time.

The physical compatibility of CeraFruta with all tank mix partners and wax types has not been fully investigated. This product cannot be mixed with any product containing a label prohibition against such mixing. Follow the more restrictive labeling requirements of any tank mix partner. No label dosage rates for the individual products may be exceeded. Prior to tank mixing with CeraFruta, conduct a jar test with the volumes and rates typically used for postharvest disease control. Add proportionate amounts of the products to a small container of water or water wax in the following order: wettable powders and water-dispersible granules first, followed by liquid flowables, and emulsifiable concentrates last. After thorough mixing, let stand for at least 15 minutes. Separation, globules, sludge, flakes or other precipitates are indicative of physical incompatibility. Physical compatibility is indicated if the combination remains mixed or can be remixed readily.

THE CROP SAFETY OF ALL POTENTIAL PESTICIDE TANK MIXES WITH CERAFRUTA INCLUDING ANTI-SCALD AGENTS AND WAXES, HAS NOT BEEN TESTED ON ALL CROPS AND VARIETIES. BEFORE APPLYING ANY TANK MIXTURE, CONFIRM SAFETY TO THE TARGET CROP BEFORE USE.

Application Instructions

CITRUS: Calamondin (*Citrus mitis*, *Citrofortunella mitis*), Citrus citron (*Citrus medica*), Citrus hybrids (*Citrus* spp.) (includes chironja, tangelo, tangor), Grapefruit (*Citrus paradise*), Kumquat (*Fortunella* spp.), Lemon (*Citrus jambhiri*, *Citrus limon*), Lime (*Citrus arantiifolia*), Mandarin (tangerine) (*Citrus reticulata*), Orange, sour (*Citrus aurantium*), Orange, sweet (*Citrus sinensis*), Pummelo (*Citrus grandis*, *Citrus maxima*), Satsuma mandarin (*Citrus unshiu*), and all cultivars and hybrids.

Use CeraFruta as a postharvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Green or Blue mold (*Penicillium* spp.)
- Sour rot (*Geotricum citri-aurantii*, *Geotricum candidum*)
- Gray mold (*Botrytis cinerea*)
- Mucor rot (*Mucor* spp.)

Application Method	Disease	Rate	Directions
In-Line Dip/Drench	Green mold Blue mold Sour rot Gray mold	85 fl. oz. per 100 gallons	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix 85 fl. oz. per 100 gallons of water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion. • Dip for 10 seconds and allow the fruit to drain.
In-Line Aqueous or Fruit Coating Spray Application	Mucor rot		<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix the fungicide solution in appropriate water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion.

POME FRUIT: Apple (*Malus domestica*), Crabapple (*Malus* spp.), Loquat (*Eriobotrya japonica*), Mayhaw (*Crataegus azarolus*), Pear (*Pyrus communis*), Oriental pear (*Pyrus* spp.), Quince (*Chaenomeles* spp.) and cultivars, varieties and/or hybrids of these.

Use CeraFruta as a postharvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Blue mold (*Penicillium expansum*)
- Gray mold (*Botrytis cinerea*)
- Mucor rot (*Mucor piriformis*)
- Sphaeropsis rot (*Sphaeropsis pyriputrescens*)
- Phacidiopycnis rot (*Phacidiopycnis piri*)
- Speck rot (*Phacidiopycnis washingtonensis*)

Application Method	Disease	Rate	Directions
Bin/Truck Drench or In-Line Dip/Drench or Flooders	Blue mold Gray mold Mucor rot Sphaeropsis rot	85 fl. oz. per 100 gallons	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix 85 fl. oz. per 100 gallons of water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion. • For in-line dip or drench applications, treat fruit for 10 seconds and allow the fruit to drain.
In-Line Aqueous or Fruit Coating Spray Application	Phacidiopycnis rot Speck rot		<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix the fungicide solution in appropriate water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion. • Use T-jet, CDA, or similar application system.

STONE FRUIT: Apricot (*Prunus armeniaca*), Nectarine (*Prunus persica*), Peach (*Prunus persica*), Plum, Chickasaw (*Prunus agustifolia*); Plum, Damson (*Prunus domestica* spp. *insititia*); Plum, Japanese (*Prunus salicina*); Plumcot (*Prunus armeniaca* x *P. domestica*); Prune (fresh) (*Prunus domestica*, *Prunus* spp.); as well as all other cultivars and hybrids of these.

Use CeraFruta as a postharvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Brown rot (*Monilinia* spp.)
- Gray mold (*Botrytis cinerea*)
- Sour rot (*Geotricum* spp.)
- Rhizopus rot (*Rhizopus* spp.)

Application Method	Disease	Rate	Directions
In-Line Dip/Drench	Brown mold Gray mold Sour rot Rhizopus rot	85 fl. oz. per 100 gallons	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix 85 fl. oz. per 100 gallons of water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion. • Dip for 10 seconds and allow the fruit to drain.
In-Line Aqueous or Fruit Coating Spray Application		85 fl. oz. per 200,000 lbs. of fruit	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix the fungicide solution in appropriate water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion. • Use T-jet, CDA, or similar application system.

CHERRIES: Cherry, sweet (*Prunus avium*); Cherry, tart (*Prunus cerasus*); and all other cultivars and hybrids of these.

Use CeraFruta as a post-harvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Brown rot (*Monilinia* spp.)
- Gray mold (*Botrytis cinerea*)

Application Method	Disease	Rate	Directions
In-Line Aqueous or Flooder Application High Volume Application	Brown mold Gray mold	21 - 85 fl. oz. per 50,000 lbs. of fruit	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix 85 fl. oz. per 100 gallons of water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion. • Use T-jet, CDA, or similar application system.

AVOCADO:

Use CeraFruta as a postharvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Anthracnose (*Colletotrichum* spp.)
- Stem end rot (*Dothiorella* spp.)

Application Method	Disease	Rate	Directions
In-Line Dip/Drench	Anthracnose Stem end rot	85 fl. oz. per 100 gallons	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix 85 fl. oz. per 100 gallons of water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion. • For in-line dip or drench applications, treat fruit for 10 seconds and allow the fruit to drain.
In-Line Aqueous or Fruit Coating Spray Application		85 fl. oz. per 200,000 lbs. of fruit	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix the fungicide solution in appropriate water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion.

KIWI:

Use CeraFruta as a postharvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Botrytis fruit rot (*Botrytis cinerea*)

Application Method	Disease	Rate	Directions
In-Line Dip/Drench	Botrytis fruit rot	85 fl. oz. per 100 gallons	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix 85 fl. oz. per 100 gallons of water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion. • For in-line dip or drench applications, treat fruit for 10 seconds and allow the fruit to drain.
In-Line Aqueous or Fruit Coating Spray Application		85 fl. oz. per 200,000 lbs. of fruit	<ul style="list-style-type: none"> • Ensure proper coverage of fruit. • Mix the fungicide solution in appropriate water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion.

MANGO:

Use CeraFruta as a postharvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Anthracnose (*Colletotrichum* spp.)
- Stem end rot (*Dothiorella* spp.)

Application Method	Disease	Rate	Directions
In-Line Dip/Drench	Anthracnose Stem end rot	85 fl. oz. per 100 gallons	<ul style="list-style-type: none">• Ensure proper coverage of fruit.• Mix 85 fl. oz. per 100 gallons of water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion.• For in-line dip or drench applications, treat fruit for 10 seconds and allow the fruit to drain.
In-Line Aqueous or Fruit Coating Spray Application		85 fl. oz. per 200,000 lbs. of fruit	<ul style="list-style-type: none">• Ensure proper coverage of fruit.• Mix the fungicide solution in appropriate water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion.

POMEGRANATE:

Use CeraFruta as a postharvest dip, drench, flood, or spray for the control of certain postharvest fruit rots caused by:

- Botrytis fruit rot (*Botrytis cinerea*)
- Blue mold (*Penicillium expansum*)

Application Method	Disease	Rate	Directions
In-Line Dip/Drench	Botrytis fruit rot Blue mold	85 fl. oz. per 100 gallons	<ul style="list-style-type: none">• Ensure proper coverage of fruit.• Mix 85 fl. oz. per 100 gallons of water, wax/oil emulsion, or aqueous dilution of wax/oil emulsion.• For in-line dip or drench applications, treat fruit for 10 seconds and allow the fruit to drain.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep pesticide in original container. Store product away from direct sunlight between 40°F and 90°F.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

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. If burned, stay out of smoke.

Conditions of Sale and Warranty

The Directions for use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product.

Crop injury, ineffectiveness, or other unintended consequences may result due to such factors as weather or crop conditions, manner of use or application, presence of other material or other influencing factors in the use of the product, which are beyond the control of Ceradis B.V., the manufacturer or the seller. Buyer and User agree to hold Ceradis B.V. and Seller harmless for any claims relating to such factors, to the extent permitted by applicable law.

To the extent consistent with the applicable law, Ceradis B.V. makes no other warranties of merchantability or fitness for a particular purpose.

To the extent consistent with the applicable law, the exclusive remedy of the User or Buyer for any and all claims, losses, injuries or damage resulting from the use or handling of this product (including claims based on contract, warranty, negligence, strict liability, tort or otherwise) shall not exceed the purchase price paid by the User or Buyer for the quantity of this product involved.

To the extent consistent with the applicable law, in no event shall Ceradis B.V. or the Seller be liable for special, incidental or consequential damages resulting from the use, handling, application, storage or disposal of this product.

No agent or employee at Ceradis B.V. or seller is authorized to modify the terms of the warranty disclaimer or the product's label. Buyer and User accept the Conditions of Sale and Warranty by opening and using the product.

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