Banrot®
40 WP

Broad Spectrum Fungicide 40% Wettable Powder
For use in commercial greenhouses to control damping-off, root and stem rot diseases of ornamental and nursery crops caused by Pythium, Phytophthora, Rhizoctonia, Fusarium and Thielaviopsis.

This specimen label is for information only.
Everris makes no representations as to the accuracy of this label. It is the responsibility of the user to read and follow the label attached to the pesticide product container.

Net Weight: 2 lb (907 g)
Stock # E957252

GROUP 1 14 FUNGICIDES

ACTIVE INGREDIENTS:

Etridiazole†	15%
Thiophanate-methyl††	25%
OTHER INGREDIENTS:	60%
Total	100%

†CAS # 2593-15-9
††CAS # 23564-05-8

EPA Reg. No. 58185-10 **EPA Est. 67545-AZ-1**

KEEP OUT OF REACH OF CHILDREN
WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: 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 SWALLOWED: 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 do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: 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.

FIRST AID (continued)

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-888-241-6409 for emergency medical treatment information.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastral lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed. Product causes substantial but temporary eye injury.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if absorbed through skin. Do not get in eyes or on clothing. Wear goggles or face shield. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. 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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, and natural rubber ≥14 mils. If you want more options, follow the instructions for category A on an EPA chemical-resistant category selection chart.

Mixers, loaders, applicators and handlers must wear:

- goggles or face shield
- coveralls over long-sleeved shirt and long pants
- chemical-resistant gloves made of any water-proof material
- chemical-resistant footwear plus socks

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If you have questions regarding the use of this product, call TOLL FREE 1-800-492-8255
Distributed by Everris NA Inc., PO Box 3310 • Dublin, OH 43016

- NIOSH-approved respirator with:
  - an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or
  - a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or
  - a NIOSH-approved respirator with an OV cartridge or canister with any N2, R, P, or HE prefilter
- chemical-resistant apron when mixing, loading, cleaning equipment

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow 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:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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

THIS PRODUCT IS TOXIC TO FISH. 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 washwaters. Etridiazole can contaminate surface water through spray drift. Under some conditions, etridiazole may have a high potential for runoff into surface water for several weeks postapplication. These conditions include poorly draining or wet soils with readily visible slopes toward adjacent surface water, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent waters with vegetated filter strips, and areas overlaying tile drainage systems that drain surface water.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

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. Do not allow this product to drift. Do not graze treated areas. Do not feed clippings to livestock.

For any requirements specific to your State or Tribe, consult the Agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Workers 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 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 12 hours.

INDOOR RESTRICTIONS: Entry (including early entry that would otherwise be permitted under the WPS) into greenhouses, potting sheds, and other indoor areas by any person – other than a correctly trained applicator who is performing a handling task permitted by the WPS and who is wearing the required handler PPE including a respirator – is PROHIBITED in the entire enclosed structure/building from the start of application until application is complete and one of the following ventilation criteria (providing outdoor air) is met: 10 air exchanges; (2) 2 hours of fans or other mechanical ventilation providing outdoor air; (3) 4 hours of vents, windows, or other passive ventilation; (4) 11 hours with no ventilation followed by 1 hour of mechanical ventilation; (5) 11 hours of no ventilation followed by 2 hours of passive ventilation; or (6) 24 hours with no ventilation. After ventilation criteria are met and until the REI expires, do not enter or allow worker entry into treated areas, except as provided in the WPS. Note: after the expiration of the REI whenever etridiazole-treated soil or planting media is being handled or distributed indoors, continuous ventilation of the area is required at a minimum rate of one complete air exchange per hour.

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
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

DEMO LABEL

Chemigation Information

Chemigation is prohibited in the State of California.

INTRODUCTION

Pesticide labels contain Directions For Use that are necessary for effecting the purpose for which the product is intended. Further, they protect health and environment from risks of pesticide contamination of ground water and decrease direct human exposure to pesticide-treated irrigation water.

Apply this product only through pressurized drench (flood), sprinkler, or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation systems.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect any irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

Should the need arise, a person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments.

Pressurized Drench (Flood) System

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops.
- The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlocked to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Sprinkler Chemigation

- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Irrigate the crop prior to applying Banrot® 40 WP in order to ensure even moisture content over the entire crop.
- Apply Banrot 40 WP at the appropriate concentration for the crop and disease(s) targeted.
- Referring to the rate information contained in this label, apply the appropriate volume of fungicide solution to the crop.
- Upon completing the application of the appropriate volume of Banrot® 40 WP, allow the irrigation system to run long enough to flush the irrigation lines clear of fungicide solution. Do not apply more clear water than is necessary to flush the lines or poor disease control may result.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

Drip (Trickle) Chemigation

- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

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- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

GENERAL INFORMATION: Pesticide supply tanks are recommended for the application of these products. See label instructions for dilution use rates and timing of application. For emulsifiable concentrates - agitate prior to use. For wettable powders - agitate continuously during application.

ORNAMENTALS AND NURSERY CROPS

For use in commercial greenhouses only. Use in residential greenhouses or other indoor plant sites is prohibited.

Banrot 40 WP is a soil fungicide for the control of damping-off, root and stem rot diseases caused by Pythium, Phytophthora, Rhizoctonia, Fusarium, and Thielaviopsis. It may be used at time of seeding and transplanting as a drench to control the labeled pathogens in commercial greenhouses.

Banrot 40 WP suspensions in water should be constantly agitated to assure uniform mixing and application. Banrot 40 WP suspensions need not be protected from light. Use at specified rates and concentrations. Overdosage may result in toxicity to sensitive plants. If plants are suspect of being sensitive, apply fungicide to a small number to insure safety. Banrot 40 WP should not be mixed with other pesticides or nutrients unless adequately tested first.

Thoroughly rinse Banrot 40 WP residues out of all equipment after use.

IMPORTANT: If, after using Banrot® 40 WP as recommended, treatment is not effective, a tolerant strain of fungus may be present. Consult with your local Everris representative or distributor, your State Agricultural Experiment Station or your State Agricultural Extension Service for advice on the prompt use of some other labeled fungicide.

Resistance Management Recommendations

Banrot 40 WP contains both a Group 1 and Group 14 fungicide. Fungal isolates with acquired resistance to Group 1 and/or Group 14 may eventually dominate the fungal population if Group 1 and/or Group 14 fungicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Banrot 40 WP or other Group 1 and/or Group 14 fungicides.

To delay fungicide resistance consider:

- Avoiding the consecutive use of Banrot 40 WP, or other target site of action Group 1 or 14 fungicides that have a similar target site of action, on the same pathogens.
- Using tank-mixtures or premixes with fungicides from different target site of action Groups as long as the involved products are all registered for the same use and are both effective at the tank mix or prepack rate on the pathogen(s) of concern.
- Basing fungicide use on a comprehensive IPM program.
- Monitoring treated fungal populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for fungicide resistance management and/or IPM recommendations for specific crops and resistant pathogens.

For further information or to report suspected resistance, you may contact Everris at 800-492-8255.

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PLANT TYPE	REMARKS
BEDDING PLANTS Ageratum, Ajuga, Alyssum, Aster, Balsam, Begonia, Carnation, Celosia, Coleus, Dahlia, Dusty Miller, Gynura, Impatiens, Larkspur, Marigold, Nasturtiums, Pansy, Petunia, Phlox, Salvia, Snapdragon, Verbena, Zinnia	**BEDDING PLANTS** (soil 2" to 3" deep). Mix 4-8 oz. of Banrot® 40 WP with 100 gal. of water and apply to 800 sq. ft. of bed area (equivalent to 1 pint/sq. ft. of soil surface) and use at time of seeding and transplanting. Irrigate immediately with additional water equal to at least half the volume of the fungicidal drench for improved soil penetration of the fungicide. Re-treat at 4 to 8 week intervals if additional applications are necessary.
FOLIAGE PLANTS Aglaonema, Aralia, Cactus, Caladium, Dieffenbachia, Dracaena, Epipremnum, Fern, Ficus, Fittonia, Hoya, Maranta, Nautilocalyx, Peperomia, Philodendron, Pilea, Schefflera, Syngonium, Tradescantia	**BENCH PLANTINGS OF TROPICAL FOLIAGE PLANTS** (peat and other high organic growth media 6" deep or more). Mix 6-12 oz. of Banrot 40 WP with 100 gal. of water and apply to 400 sq. ft. of bench area (equivalent to 1 quart/sq. ft of soil surface). Irrigate immediately with additional water equal to at least half the volume of the fungicidal drench for improved soil penetration of the fungicide. Re-treat at 8 to 12 week intervals to maintain disease control.
	BEDGROWN PLANTS Mix 6-12 oz. of Banrot 40 WP with 100 gal. of water per 400 sq. ft (equivalent to 1 quart/sq. ft soil surface) or apply in sufficient volume to saturate the soil mixture. Re-treat at 4 to 12 week intervals if necessary.

PLANT TYPES (continued)	REMARKS (continued)
CONTAINER & BEDGROWN **Herbaceous** African Violet, Begonia, Calendula, Carnation, Chrysanthemum, Coleus, Dahlia, Delphinium, Easter Lily, Geranium, Gerbera, Gloxinia, Gynura, Gypsophila, Ivy, Kalanchoe, Lobelia, Statice, Zygocactus **Woody** Acer, Aucuba, Azalea, Boxwood, Camellia, Cedar, Chamaedorea Palm, Crape Myrtle, Croton, Euonymus, Fatsia, Ficus, Fir, Gardenia, Hydrangea, Ilex, Ixora, Juniper, Leucothe, Ligustrum, Photinia, Pine, Pittosporum, Podocarpus, Poinsettia, Rhododendron, Spruce, Taxus, Thuja	**CONTAINER & BEDGROWN PLANTS** Mix 6-12 oz. of Banrot® 40 WP with 100 gal. of water per 400 sq. ft. (equivalent to 1 quart/sq. ft. soil surface) or apply in sufficient volume to saturate the soil mixture, such as ½ pint per 6" pot. Irrigate immediately with additional water equal to at least half the volume of the fungicidal drench for improved soil penetration of the fungicide. Re-treat at 4 to 12 week intervals if necessary with a 6-12 oz. per 100 gal. rate.
COFFEE SEEDLINGS (Propagation) "NOTE: For non-bearing seedlings only. Do not apply after field transplanting and within two years of the first coffee bean harvest. Do not apply to bearing coffee plants."	**SEED BEDS** **Prior to sowing seed:** Mix 4 ounces of Banrot® 40 WP with 50 gallons of water and apply 1 gallon per 1.2 square yards two days prior to sowing seeds, thoroughly wetting the planting medium. **Seeds previously sown:** Mix 3 ounces of Banrot 40 WP with 50 gallons of water and apply 1 gallon per 1.2 square yards. If seedlings have emerged, follow application immediately by irrigating with additional water equal to at least ½ the volume of the fungicidal drench for improved soil penetration and to rinse foliage. Re-treat at 4-12 week intervals if necessary.
	CONTAINER SEEDLINGS Mix 6 ounces of Banrot 40 WP with 50 gallons of water. Apply 1.7 fl. oz. of this mixture to a 1 quart container. Follow-up application by immediately irrigating with additional water equal to at least ½ the volume of the fungicidal drench for improved soil penetration and to rinse foliage. Re-treat at 4 to 12 week intervals if necessary.
CONTAINERIZED CITRUS SEEDLINGS AND LINERS (Propagation) "NOTE: For non-bearing seedlings and liner use only. Do not apply after field transplanting and within two years of the first citrus fruit harvest. Do not apply to fruit bearing citrus trees."	**CONTAINERIZED SEEDLINGS AND LINERS** Mix 6-10 oz. of Banrot® 40 WP in 100 gal. water and apply to 800 sq. ft. of bench area (1 pint of solution per sq. ft.) at one and two months after seeding. With seedlings scheduled for planting in ground liner beds out-of-doors, apply an additional drench, in the greenhouse, 1 to 2 weeks prior to field liner bed planting. With plants scheduled for replanting to larger containers in greenhouse culture for the budding process, apply an additional drench upon transplanting. Mix 6-10 oz. Banrot 40 WP with 100 gal. of water per 400 sq. ft. Re-treat at 6 to 12 week intervals if necessary. Discontinue any applications 2 months prior to grove planting. Follow-up all applications by immediately irrigating with additional water equal to at least ½ the volume of the fungicidal drench for improved soil penetration and to rinse foliage.

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STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Not sensitive to light. Stable at normal temperatures and humidities. Store in a secure dry place at temperature above 45˚F (7˚C) in a well-closed container.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty container in a sanitary landfill or by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

DISCLAIMER AND LIMITATION OF LIABILITY

IMPORTANT NOTICE FROM EVERRIS NA INC. ("Everris")

PLEASE READ BEFORE USE.

To the extent consistent with applicable law, user or buyer accepts the conditions, disclaimer of warranties and limitations of liability. Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once for full refund.

CONDITIONS: The directions for use of this product are believed to be adequate and the user or buyer must always follow the label directions carefully and exercise judgment and caution when using this product under their growing conditions. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness, unsatisfactory or substandard results or other unintended consequences may result because of such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of Everris. All such risks shall be assumed by the user or buyer.

WARRANTY: This product corresponds to all claims and descriptions set forth on the label and is reasonably fit for the purposes set forth in the directions for use on the label when used in accordance with those directions. This warranty is subject to the conditions and limitations stated herein. Everris recognizes that the rights and remedies of the user or buyer are subject to the provisions of the applicable law, but makes no other warranties or representations, 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 Everris is authorized to make any warranties beyond those contained herein or to modify the warranties contained therein. Subject to the user's or buyer's rights and remedies under the applicable law, Everris disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: Subject to the user's or buyer's rights and remedies under the applicable law, the exclusive remedy of the user or buyer and the liability of Everris or its affiliates, 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 by the user or Buyer for the quantity of this product involved or, at Everris' election, the replacement of the product. To the extent consistent with applicable law, Everris must have prompt notice of any claim so that a timely investigation of buyer's or user's claim can be made. Buyer and all users shall promptly notify Everris of any claims, whether based on contract, negligence, strict liability, other tort or otherwise or be barred from any remedy.

Manufactured for:
Everris NA Inc.
PO Box 3310
Dublin, OH 43016
1-800-492-8255

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Product of U.S.A.

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