



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460**

**OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION**

July 21, 2015

Amy Plato Roberts
Regulatory Consultant (Jeneil Biosurfactant Company)
Technology Sciences Group, Inc.
1150 18th Street, N.W., Suite 1000
Washington, DC 20036

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Add supplemental label for state use in Kentucky, North Carolina, South Carolina and Virginia only.

Product Name: Zonix™ Biofungicide

EPA Registration Number: 72431-1

Application Date: 05/04/2015

OPP Decision Number: 504884

Dear Ms. Roberts,

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable.

This approval is only for supplemental labeling that is an addendum to the master labeling. This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

This supplemental labeling contains some new and/or revised uses and/or directions that may be additional to the uses and/or directions found on the labeling on or attached to the container, but this supplemental labeling does not by itself constitute the complete set of use directions. The complete set of use directions is set forth on the container labeling as combined with this supplemental labeling.

A stamped copy of your labeling is enclosed for your records. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling.

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.

If you have any questions, please contact Shenell Bolden of my team by phone at (703) 347-0120 or via email at bolden.shenell@epa.gov

Sincerely,

A handwritten signature in black ink, appearing to read "For Andrew C. Bryceland". The signature is written in a cursive style with a large initial "A" and "B".

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

Enclosure

Supplemental Label for Use in Kentucky, North Carolina, South Carolina and Virginia only

ZONIX™ Biofungicide

EPA Reg. No.: 72431-1

ACCEPTED

07/21/2015

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 72431-1

DIRECTIONS FOR USE

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

This labeling must be in possession of the user at the time of application. Read the label affixed to the container for ZONIX™ Biofungicide before applying. Use of ZONIX™ Biofungicide according to this labeling is subject to the use precautions and limitations imposed by the label affixed to the container for ZONIX™ Biofungicide.

Tobacco and other specialty crops such as buckwheat, guar, plantago ovata, ginseng, sapodilla, guayule and meadowfoam.

Application Directions: Apply ZONIX™ Biofungicide at a concentration of 300 to 500 ppm. Make applications in the early stages of plant growth for initial control. Reapply at 5-day intervals or as needed throughout the growing season for preventative control. Early treatment prevents diseases from developing. ZONIX™ Biofungicide is a contact biofungicide that controls disease upon contact with zoospores. Thorough coverage is necessary for disease control. To assure control, make applications at the time that conditions are best for occurrence of zoospores and resultant disease.

Foliar spray, fog or drench - Apply ZONIX™ Biofungicide using conventional equipment as a spray, fog or drench to the point of saturation. Good coverage and wetting of the foliage is required. Use enough spray solution to completely penetrate the leaf canopy and both cover the top and underside of all leaves until runoff. The amount of spray solution to apply will vary depending on the type of crop. Most row crops will require up to 100 gallons of spray per acre, while mature trees will require up to 500 gallons of spray per acre. Prepare enough solution based on plant density and soil conditions to insure thorough coverage, maintaining a concentration of 300 to 500 ppm ZONIX™ Biofungicide. Reapply at 5-day intervals or as needed throughout the growing season for preventative control.

Soil and growing media drench - Apply ZONIX™ Biofungicide to soil and growing media 48 hours prior to use for seeding or transplanting, and apply to soil and growing media as a drench at 5-day intervals or as needed throughout the plants' life. Use ZONIX™ Biofungicide at a concentration of 300 to 500 ppm on potting soil and growing medias prior to planting to kill existing zoospores in the soil. Use enough spray solution to treat the soil or growing media to the point of saturation.

Pre-Plant spray or mist application - Use ZONIX™ Biofungicide to prevent damping-off and seed rots due to *Pythium* and *Phytophthora*, early season *Phytophthora* root rot,

and plant and cutting diseases on seeds, seedlings, bulbs, transplants or cuttings prior to planting. Apply ZONIX™ Biofungicide using conventional equipment as a spray or mist to the point of saturation. Good coverage and wetting of the plant material is required. Prepare enough solution to insure thorough coverage, maintaining a concentration of 300 to 500 ppm ZONIX™ Biofungicide. Do not use treated seed for food, feed or oil purposes. Treat only those seeds needed for immediate use and planting. Do not store excess treated seeds beyond planting time.

Closed systems for ebb and flow and hydroponics application – Meter or inject ZONIX™ Biofungicide to achieve a concentration of 300 to 500 ppm into closed continuous recirculation systems used in hydroponics growing or ebb and flow in rock wool and peat / perlite mixtures. Apply ZONIX™ at 5-day intervals or as needed throughout the plants' life.

Irrigation systems – Meter ZONIX™ Biofungicide to achieve a concentration of 300 to 500 ppm into irrigation systems and apply continuously for the duration of the water application. Refer to the Chemigation section of this label for complete details on application through irrigation systems. Apply through a drip (trickle) system or sprinkler including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set or hand move irrigation systems. Apply ZONIX™ at 5-day intervals or as needed throughout the growing season.

Manufactured by:

Jeneil Biosurfactant Company
400 N. Dekora Woods Blvd.
Saukville, Wisconsin 53080

Expires May 15, 2016