

PM 25

58199-3

145



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

JAN 26 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Sally Brown Mayeux  
P.B.T., INC.  
702 CORONADO ROAD  
CORRALES, NM 87048

Subject: Label Amendment Submission of 08/04/93 in Response to PR Notice 93-7  
EPA Reg. No. 58199-3  
N-ZYME PGS

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

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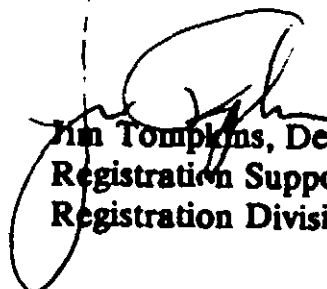
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division. (7505W)

Attachment

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# cytogro<sup>®</sup>

## Hormone Biostimulant for Turf

**A NATURAL HORMONE ROOT STIMULANT TO INCREASE  
QUALITY, RESILIENCE AND DURABILITY OF ORNAMENTAL TURF**

Active Ingredients: Cytokinin (as kinetin based on bioassay).....	0.005%
Inert Ingredients.....	99.995%
Total .....	100.000%

### KEEP OUT OF REACH OF CHILDREN

#### CAUTION

Harmful if swallowed or absorbed through the skin! Causes skin irritation! Do not breath vapor or spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling.

#### Statement of Practical Treatment

If swallowed: call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Wash skin with soap and water

If in eyes: Flush with plenty of water. Get medical attention if irritation persists.

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

CytoGro Hormone Biostimulant is a natural product containing natural cytokinin hormones and plant growth substances to promote deep root development, increase tiller, rhizome and stolon production, and to provide vigor and stress tolerance to ornamental turfgrasses such as Bent grass, Bermuda grass, Centepede, tall Fescue, Kentucky Bluegrass, perennial Ryegrass, St. Augustine and Zoysia. CytoGro contains extracted amino acids, vitamins, proteins, carboxylic acids, carbohydrates, natural plant hormones, sea minerals and nutrients derived from sea vegetables.

EPA Reg. No. 58199-3, EPA Est. No. 3837-MO-1

Net Contents 1 gallon (3.78 liters)

Distributed by Plant BioTech, Inc.

Covales, NH 87048

<sup>®</sup>CytoGro is a registered trademark of P.B.T., Inc.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

**JAN 26 1994**

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

518199-3

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## **CYTOGRO Hormone Biostimulant for Turf**

### **PRECAUTIONARY STATEMENTS**

#### **CAUTION**

#### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Applicators and other handlers must wear long-sleeved shirt and long pants and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment. If no such instructions for washables, use detergent and hot water. Keep and wash personal protective equipment separately from other laundry.

#### **User Safety Recommendations:**

##### **Users should:**

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

Do not contaminate water when disposing of equipment washwater.

**STORAGE:** Store in a cool place and out of direct sunlight. Keep from freezing. Do not contaminate water, food, or feed by storage or disposal.

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

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

#### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker 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). 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.

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, waterproof gloves and shoes plus socks.

**DIRECTIONS FOR USE: SHAKE WELL BEFORE USING** It is a violation of federal law to use this product in a manner inconsistent with its labeling. Before using CytoGro Hormone Biostimulant for Turf, read and follow the precautions appearing on the label. For best results CytoGro Hormone Biostimulant for Turf should be applied in the early morning or late afternoon. Follow the specific rate uses below. Apply with sufficient water to get thorough foliage coverage. CytoGro Hormone Biostimulant for Turf can be applied as mixture with most fungicides, herbicides, insecticides or liquid fertilizer. Do not apply this product through any type of irrigation system. To enhance greenup response from iron or liquid fertilizer applications, add CytoGro at 1/2 to 1 oz per 2500 sq. ft to the fertilizer spray solutions.

**Spring application:** Make an early application of CytoGro at the rate of 1 to 2 fl. oz per 2500 sq. ft. to promote tiller, rhizome or stolon growth, to develop a deep root system, and to give the turf a rapid start once winter dormancy is broken and growth begins. Spring application is important to provide a deep root system which will condition the turf and reduce the stress of disease and summer heat or low rainfall.

**Fall Application:** Two to three applications of CytoGro (1 to 2 oz. per 2500 sq. ft.) should be made in the fall beginning about eight weeks before the turf becomes dormant (eight weeks before first frost date in the northern states) to promote root growth and provide the grass with the vigor to better endure the stress of winter (reduce winter kill) and improve survival of a good healthy turf for the following spring.

**Golf Greens, Fairways, Football and Soccer Fields, and Baseball Fields:** At the beginning of spring growth apply 1 to 2 fl. oz. per 2500 square feet at the breaking of dormancy. Make successive monthly maintenance applications of 1/2 to 1 fl. oz. per 2500 sq. ft. (1 to 2 pints/acre) or as needed to maintain root growth, tillering, appearance and vigor throughout the growing season. During periods of intensive use apply weekly or biweekly at 1/2 to 1 fl. oz. per 2500 sq. feet (1/2 to 1 pint/acre) to the greens, fairways or playing field to maintain root structure and renew growth and vigor between games. Make three applications of 1/2 to 1 fl. oz. per 2500 sq. ft. at 2 week intervals beginning about eight (8) weeks before turf becomes dormant in the fall to promote root growth and increase stamina to reduce winter kill.

**Sod:** Spray CytoGro to newly laid sod at 1 to 2 fl. oz. per 2500 sq. ft. to promote rooting and increase the rate of sod establishment. Maintain growth and vigor with monthly applications of 1 fl. oz. per 2500 square feet.

**Sod Farming:** Spray CytoGro at 1/2 to 1 pint per acre to sod 1-4 days before harvesting to initiate new root growth and speed up establishment when sod is laid. Spray CytoGro at 1 pint/acre to sod fields to promote root, tiller and rhizome growth and to bring the crop to harvest more quickly. Maintain accelerated growth with CytoGro applications of 1/2 to 1 pint/acre at 2 to 4 week intervals or as needed.

**Lawns, Playgrounds, Parks, Recreational Areas, Landscaped Roadways and Cemeteries:** Apply 1 to 2 fl. oz. per 2500 square feet (1 to 2 pts/acre) at the beginning of spring growth to promote a deep root system and tillering to fill sparse areas. Apply monthly at 1/2 to 1 fl. oz. per 2500 square feet to maintain health and vigor of the turf. Application can be made more frequently as needed to condition the turf for stress or for periods of heavy use.

**Warranty:** The manufacturer warrants that this product shall be of its standard quality and shall conform to the label thereon. The BUYER must assume all responsibility if not used in accordance with directions or established safe practices, including injury or damage resulting from its misuse as such or in combination with other materials. The manufacturer's liability shall be limited to the replacement without charge, FOB warehouse, of all product shown to be otherwise than as warranted.

**USE CYTOGRO IN COMBINATION WITH A WELL-BALANCED FERTILITY PROGRAM AND GOOD MANAGEMENT PRACTICES.**