



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 17, 2021

Dr. Premjit Halamkar, Ph.D., MPA  
Global Head of Regulatory Affairs  
CH BioTech R&D Co., Ltd.  
601 Kettering Drive  
Ontario, CA 91761

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Revision to the Label to update Agricultural Use Requirements and Use directions sections of the label.

Product Name: GOLDENGRO R  
EPA Registration Number: 90866-4  
Application Date: 06/21/2021  
OPP Case Number: 00307442

Dear Dr. Halamkar:

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 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.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

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 U.S. Environmental Protection Agency (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

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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.

If you have any questions, please contact James Parker via email at [parker.james@epa.gov](mailto:parker.james@epa.gov).

Sincerely,



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

Enclosure

**ACCEPTED**

Dec 17, 2021

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 90866-4

# GOLDENGRO R

**Reduces transplant shock and promotes new root growth**

ACTIVE INGREDIENTS:	BY WT.
3-Indolebutyric acid (IBA)	0.85%
Cytokinin, as Kinetin	0.15%
1-Naphthaleneacetic acid (NAA)	0.20%
OTHER INGREDIENTS:	98.80%
TOTAL	100.00%

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

### FIRST AID

**If in eyes:**

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

Have the product container or label with you when calling a poison control center or 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](http://www.npic.orst.edu)).

**For general product information, call CH Biotech LLC at (909) 472-3033 between the hours of 9 a.m. – 4 p.m. Pacific Time.**

EPA REG. NO. 90866-4

EPA EST. NO.90866-CA-1

Expiration Date: 6 Months from date of Mfg.

Net Contents: One gallon (3.875 L)

Net Weight: 2.204 lbs. (0.999 kg)

Batch No.

Produced for CH Biotech R&D Co., Ltd.  
By CH Biotech, LLC.  
601 Kettering Drive  
Ontario, CA 91761  
Tel: 909-472-3033  
Email: [info@chbio.com](mailto:info@chbio.com)

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**Caution.** Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using toilet.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical Resistant Gloves
- Shoes plus socks.
- Protective eyewear

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### 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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

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 or rinsate.

### 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 applications. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

### 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), and restricted-entry interval. The requirements in this box only apply to uses 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 48 hours. Notify workers of the application by warning them orally and by posting warning signs at entrances to related areas.**

**Exception: if product applied as a dip and treated cuttings are placed in growing/propagation media immediately following application by the handler, 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 in Category A, such as butyl rubber > 14 mils, or natural rubber >14 mils, or neoprene rubber > 14 mils or nitrile rubber > 14 mils, and
- Shoes plus socks

Do not apply this product through any type of irrigation system.

## **NON-AGRICULTURAL USER REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter without appropriate protective clothing until sprays have dried.

## **SPRAY DRIFT ADVISORIES**

**THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.  
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.**

### **IMPORTANCE OF DROPLET SIZE**

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

#### **Controlling Droplet Size – Ground Boom**

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

#### **Controlling Droplet Size – Aircraft**

- Adjust Nozzles - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

**BOOM HEIGHT** – Ground Boom For ground equipment, the boom should remain level with the crop and have minimal bounce.

**RELEASE HEIGHT** - Aircraft Higher release heights increase the potential for spray drift.

### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

### **WIND**

Drift potential generally increases with wind speed. **AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.**

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

### **Boomless Ground Applications:**

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

### **Handheld Technology Applications:**

Take precautions to minimize spray drift.

## **GENERAL INFORMATION**

GoldenGro R contains three (3) different plant growth regulators (PGRs) that synergistically stimulate early and improved root development. In addition, GoldenGro R contains a mixture of nutrients that aid in successful transplanting and plant growth.

## **CUTTINGS**

Dilution Rate:

For softwood cuttings, use a 1:20 dilution rate (0.5 fl. oz. product in 10 fl. oz. of water); For medium wood cuttings, use a 1:10 dilution rate (1.0 fl. oz. product in 10 fl. oz. of water); For hard wood cuttings, use a 1:5 dilution rate (2.0 fl. oz. prod. in 10.0 fl. oz. water).

GoldenGro R is recommended for use on all nursery stock cuttings including Woody ornamentals, Deciduous hardwoods, Evergreens, Ground Covers, and Perennials such as: African violet, Arborvitae, Azalea, Aster, Barberry, Begonia, Boxwood, Camellia, Crape-myrtle, Clematis, Chrysanthemum, Cypress, Dahlia, Delphinium, Dogwood, Eponymous, Forsythia, Fuchsia, Geranium, Heather, Hibiscus, Holly, Honeysuckle, Ivy, Japanese quince, Jasmine, Juniper, Lilac, Magnolia, Minor, Myrtle, Pachysandra, Photinia, Pivet, Pyracantha (Firethorn), Rhododendron, Rose, Spirea, Yew, Viburnum, Vinca, Wriggle and many others.

Obtain cuttings from vigorous, healthy plants and keep cuttings moist and cool such as in an ice chest. With a sharp knife, trim the cutting (2-8 inches long) with a diagonal cut just below a node or leaf. Dip the basal end of cutting, individually or in bunches, into the GoldenGro R solution for 3-5 seconds.

Following dipping, place cuttings into planting medium. Depending on the species, rooting will take place in several weeks or months under a moist greenhouse environment. Transplanting can be performed once the cuttings have rooted.

### **TO REDUCE TRANSPLANT SHOCK AND PROMOTE NEW ROOT GROWTH- For Shrubs, Flowers, Groundcovers, Houseplants, and the Following Non-Bearing Plants: Citrus Fruits, Pome Fruits, Stone Fruits, Berries, Tree Nuts, Date Palm, and Grapes**

Rose, Arborvitae, Gardenias, flowering trees and other ornamentals in bare root transplant or from containers: Use 2.0 tablespoons of GoldenGro R per 10.0 gallons of water. Apply solution to root area in transplanting hole and then cover roots with soil. After planting, repeat applications biweekly as a drench to thoroughly wet the root area using a solution consisting of one teaspoon of GoldenGro R per 10.0 gallons of water.

Annual and perennial flower bedding plants: Use one tablespoon of GoldenGro R per 10.0 gallons of water and apply to thoroughly saturate roots at time of planting. Repeat at weekly intervals until plants are well established. Groundcovers such as; Ivy, Iceplants, Geranium, Cotoneaster, Barberry, & Ajuga: Use 1 tablespoon of GoldenGro R per 10.0 gallons of water and apply thoroughly to saturate the root area at time of planting. Repeat at weekly intervals until plants are well established.

Houseplants (repotting and planting): Use 1 tablespoon of GoldenGro R per 10.0 gallons of water and water thoroughly at weekly intervals to saturate the root zone until plants are well established.

Established plants: To continue new root growth, use 1 tablespoon of GoldenGro R per 10.0 gallons of water and water plants with solution once a month.

Non-Bearing Plants such as Citrus Fruits, Pome Fruits, Stone Fruits, Berries, Tree Nuts, Date Palm, and Grapes: Use 6.0-24.0 fl. oz. of GoldenGro R per 100.0 gallons of water and apply to thoroughly saturate roots at time of planting or as a drench application. Use lower rates for drench applications and higher rates for root soaking. Foliar or side-drench applications using 6.0-24.0 fl. oz. of GoldenGro R per 100.0 gallons of water may be made two weeks after transplanting. Two to three applications may be required per growing season.

## TURF AND SOD GRASS

For Turf Grass: Mix 0.13 fl. oz. of GoldenGro R per gallon of water and apply 1.0-10.0 gallons of solution by ground per 1000 SQ. ft.

For Sod Grass: Mix 2.5-5.0 fl. oz. of GoldenGro R in 20.0-40.0 gallons of water (1:1000) and apply 20.0-40.0 gallons of solution by ground per acre.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store product in the original container. Store product in a cool, dry locked place out of the reach of children and out of direct sunlight.

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

**CONTAINER HANDLING: Non-refillable container.** Do not reuse or refill this container. Triple rinse (or equivalent). Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. 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. **For chemical spill, leak, fire or exposure, call CHEMTREC at 1-800-424-9300.**

### LIMITED WARRANTY AND DISCLAIMER

NOTICE: CH Biotech R&D Co., Ltd., warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use. Buyer assumes all risks of use and handling which is a variance in any way with the directions herein. CH Biotech R&D Co., Ltd. makes no other express or implied warranty of fitness or merchantability. To the extent consistent with applicable law, CH Biotech R&D Co., Ltd. or the seller shall not be liable for consequential, special or indirect damages resulting from the misuse or mishandling of this product. CH Biotech R&D Co., Ltd. and Seller offer this product and the Buyer and user accept it, subject to the foregoing Limited Warranty and Disclaimer which may be varied only by agreement in writing signed by a duly authorized representative of CH Biotech R&D Co., Ltd.

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