



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 11, 2018

Mary M. Hunt  
Authorized Agent to OHP, Inc.  
Exponent, Inc.  
1150 Connecticut Avenue, N.W., Suite 1100  
Washington, DC 20036

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – To Include the Final Page of the Master Label, That Was Omitted in Error  
Product Name: Hormodin 1  
EPA Registration Number: 59807-4  
Application Date: 04/17/2018  
OPP Decision Number: 540560

Dear Ms. Hunt:

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

At this time, the U.S. Environmental Protection Agency (EPA) is not requiring a change to the restricted-entry interval (REI) of 0 hours as it appears on your labeling in the Agricultural Use Requirements Box. The EPA is currently developing guidance and criteria for when it will allow a REI of less than 4 hours and might require a change to the REI for this product in the future. 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 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 Elyse Bilardo by phone at (703) 347-0182 or via email at [bilardo.elyse@epa.gov](mailto:bilardo.elyse@epa.gov).

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is fluid and cursive, with the first name being the most prominent.

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

Enclosure: Label

**ACCEPTED**

05/11/2018

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 59807-4

**Hormodin<sup>®</sup> 1**

**A ROOT INDUCING SUBSTANCE**

HORMODIN 1 is a general purpose powder designed for the home gardener or commercial florist who propagates popular varieties such as roses, carnations, poinsettias, some species of shrubs, and most home, garden and greenhouse plants.

*For further details see Directions for Use on the back label.*

Lot

**Simplifies Rooting of Cuttings**

**Hormodin<sup>®</sup> 1**

**A ROOT INDUCING SUBSTANCE**

ACTIVE INGREDIENT:  
Indole-3-butyric Acid ..... 00.1%  
OTHER INGREDIENTS: ..... 99.9%  
TOTAL: ..... 100.0%

**Agricultural Use Requirements**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard. Restricted Entry Interval (REI) of this product is 0 hours.

**Easy to Use  
Just Dip  
and Plant  
Clean**

**983110**

Made in Canada

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

See back label for additional Precautionary Statements.

EPA REG. NO. 59807-4 EPA EST. NO. 69697-CAN-001

**Net Contents: 10 KG (22.1 LBS)**

**One pound of HORMODIN 1 will treat  
at least 35,000 average cuttings.**

*For further details see Directions  
for Use on the back label.*

Produced for:  
**OHP, Inc.**  
PO Box 746, Bluffton, SC 29910-0746  
Phone: (800) 356-4647

Hormodin is a registered trademark of OHP, Inc.  
ESL030618 REV050418



**DIRECTIONS FOR TREATING CUTTINGS WITH**

**HORMODIN<sup>®</sup>**

**A Root Inducing Substance**

**HORMODIN is supplied in the following strengths:**

Active Ingredient	No. 1	No. 2	No. 3
Indole-3-butyric Acid	00.1%	00.3%	00.8%
Other Ingredients	99.9%	99.7%	99.2%
EPA Reg. No.	59807-4	59807-2	59807-3

**PRECAUTIONARY STATEMENTS  
Hazards to Humans and Domestic Animals**

**CAUTION**

Causes moderate eye irritation. Wear protective eyewear (goggles, face shield or safety glasses). Harmful if inhaled or absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

FIRST AID	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything to an unconscious person.</li> </ul>
<p>Call a poison 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. You may also contact OHP, Inc. at 1-800-356-4647, 24 hours / 365 days, for emergency medical treatment.</p>	

**PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIREMENTS:** All pesticide handlers must wear the following minimum PPE while handling, transferring or applying this product. The minimum PPE include: long sleeved shirt, long pants, shoes, socks, protective eyewear (goggles, face shield or safety glasses) and chemical resistant or waterproof gloves.

**USER SAFETY RECOMMENDATIONS:** 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 PPE immediately after handling the product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

For Terrestrial Uses: Do not apply directly to water, to areas where surface water is present or intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters or rinsates.

**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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

**AGRICULTURAL USE REQUIREMENTS:** Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 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 the uses of this product that are covered by the Worker Protection Standard (WPS).

**ENTRY RESTRICTIONS:** The restricted entry interval (REI) for this product is 0 hours.

**NOTICE OF WARRANTY** — OHP, Inc. 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**. To the extent applicable by law, buyer assumes all risks of use and handling which are a variance in any way with the directions hereon. To the extent applicable by law, OHP, Inc. makes no other express or implied warranty of Fitness or Merchantability of any other express or implied warranty. To the extent applicable by law, in no case shall OHP, Inc. or the seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. OHP, Inc. and the Seller offer this product and the Buyer and user accept it, subject to the foregoing **Notice of Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of OHP, Inc.

**GENERAL INFORMATION**

**HORMODIN** may be used on three types of cuttings;

- **Hardwood:** such as Dogwood, Juniper, broadleaf and needle evergreens.
- **Semi-Hardwood:** such as broadleaf evergreens and woody ornamentals with firm wood and mature leaves such as Azalea, Rhododendrons, Magnolia and Photinia.
- **Softwood and Succulents:** such as Cactus, Fuchsia, Ice Plant and Begonia.

Select cuttings from healthy plants. Success is generally best when taking softwood cuttings or "new wood". Timing is important. Professionals propagate year round but two good times for taking cuttings are:

- in the fall using mature dormant growth which would be classified as a hardwood or semi-hardwood cutting
- in the spring when the cutting would be new growth or classified as a softwood cutting.

Fertilizer can encourage top growth and may not be used for one week after treatment.

**HORMODIN 1, 2 or 3** are recommended for different plants and parallel the range of hormones found normally by the various plants. Refer to the following list for the correct **HORMODIN** to use for the broad field of propagation from cuttings.

**TYPE OF CUTTING TO USE**

Cuttings of the current season's growth, 4 to 6 inches in length, generally are most satisfactory. Entire shoots of this length, cut at or near the base, should be taken, unless it is known that other parts root more readily. Some plants are readily propagated from leaf-bud cuttings. Propagators are familiar with the fact that tip cuttings of some varieties, and parts below the tip in other varieties, root best. This applies also, but to a lesser extent, to cuttings treated with **HORMODIN**. The basal cut may be made slanting or straight with small pruning shears, or with a knife. Large leaved types of cuttings will need to be trimmed, but it is preferable to use the largest leaf area which can be kept in good condition, and which at the same time meets the requirements for economy of space.

**TIME TO TAKE CUTTINGS**

Throughout the United States, the time to take cuttings will be dependent on when new growth starts. Cuttings of the current season's growth, 4 to 6 inches in length, generally are the most satisfactory.

Note: Cuttings of certain plants can be taken over a much wider range of time in the South than in the North, and corresponding season advance must be considered.

In the State of New York, cuttings of most deciduous shrubs will root best when taken during June, July and August. A few varieties can be taken the latter part of April, and others during May, depending upon when new growth starts. Cuttings of the current season's growth, 4 to 6 inches in length, generally are the most satisfactory. Cuttings taken between August and December will vary considerably in their capacity to root.

For plants grown indoors, cuttings should be taken according to the condition of the material, without regard to season.

**CARE OF CUTTING MATERIAL**

Keep cutting material in a fresh condition from the start. Cuttings of many varieties keep fresh when the basal ends of the stems are immersed in water or wrapped in wet cloth or burlap until ready to place in the **HORMODIN**. Do not keep shoots and branches in closed containers for long periods. Frequent spraying of the cutting material, according to the dryness of the air, or covering with moist cheese cloth, will prevent excessive wilting.

**PLANTING CUTTINGS AND HOW TO CARE FOR THEM**

After treatment with **HORMODIN**, plant the cuttings in a mixture of 1/4 peat moss and 3/4 sand (by volume), or in sand only, until rooted. Propagators who have a satisfactory rooting medium should continue to use it. Any method of planting cuttings which keeps them in good condition may be used. When cuttings are planted in a vertical position, they require more critical care than when slanted in such a way that the exposed leaves lie flat or close to the surface of the rooting medium. Sufficient shade must be provided at all times, but particularly on hot, bright days, to keep the cuttings fresh, but not dense enough to cause rotting of leaves, or the growth of molds. Immediately after planting, the cuttings should be watered thoroughly and, thereafter, according to climatic conditions. The rooting medium below the surface must not be allowed to become dry.

A temperature in the bed of 70° to 75° F. has proved satisfactory for many species. Temperatures below 60° are not generally satisfactory with tested cuttings.

**APPLICATION OF HORMODIN:**

- 1) If not already moist, the basal ends of the cuttings should be slightly moistened before treatment. (Except geraniums.)
- 2) Stir basal ends in **HORMODIN**
- 3) Remove excess powder by tapping on rim of container.
- 4) Plant treated cuttings in rooting medium

Produced for:  
**OHP, Inc.**  
PO Box 746  
Bluffton, SC 29910-0746  
Phone: (800) 356-4647





**[Additional Bullet Points]**

- Contains Hormodin 1
- Grow New Plants From Cuttings!
- Growing New Plants From Cuttings is Easy!
- As Simple as Cut, Dip and Plant!
- SIMPLE, READY-TO-USE
- ROOTING HORMONE
- *[Product Name]* is a general purpose powder for the home gardener who wants to propagate popular varieties such as: African Violets, Carnations, Fuchsia, Geraniums, Jasmine, Willow, Viburnum, Roses, Begonias, Gardenias, Coleus, Philodendrons, Bougainvillea, Poinsettias, Chrysanthemums, Euonymus, Hydrangeas, Phlox, Raspberry and most other home, garden and greenhouse plants.
- Propagating plants from cuttings is an easy inexpensive way to multiply your plant supply and share garden favorites with others. And it's the only way to assure new plants will show the same flowering and fruiting qualities admired in hybrid parents.
- Use *[Product Name]* to grow cuttings from your favorite plants including: African Violets, Roses, Poinsettias, Philodendrons, Geraniums, Coleus, Woody Ornamentals, Most other popular home, garden and greenhouse varieties.
- New *[permitted for six months after first retail sale]*
- Grow New Plants From Cuttings Fast!
  - Geraniums • Coleus • Woody ornamentals • African violets • Roses
  - Poinsettias • Philodendrons
  - Most other popular home, garden and greenhouse varieties

*[Advertising and Recommendations for other related products may follow. ie: plant foods, soil, potting and planting mixes & soil conditioners, gardening tools, containers, etc.] and [Paragraph format for FIRST AID may be used on small containers]*

***[Alternate Language for Homeowner use]***

**Stop. Read Entire Label Before Use.**

**APPLICATION OF *[Product Name]***

1. The cut ends of the cuttings should be slightly moistened before treatment.
2. Stir cut ends in *[Product Name]* powder.
3. Remove excess powder by tapping on rim of container.
4. Plant treated cuttings in a rooting medium such as *[potting soil, mix, etc.]*. Mist regularly.

***[Homeowner Use Storage and Disposal]***

**STORAGE AND DISPOSAL**

**STORAGE:** Store in a cool dry place. Keep in original container. Do not contaminate water, food or feed by storage or disposal.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.

*[Homeowner (Nonagricultural) use may delete WPS.]*