

HORMODIN 2 is prepared specifically for propagating many woody and semi-woody types of plants including some of the evergreens.

> For further details see Directions for Use in enclosed folder.

Lot

e-Lashs

Easy to Use Just Dip and Plant Clean

REV020210

Made in Canada

Simplifies Rooting of Cuttings



NET WT. 1 LB

ACTIVE INGREDIENT: Indole-3-butyric Acid 00.3% OTHER INGREDIENTS: 99.7% TOTAL 99.7% INFORMATION KEEP OUT OF REACH OF CHILDREN CAUTION See label insert for additional precautionary statements.

EPA REG. NO. 59807-2 EPA EST. NO. 69697-CAN-001

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.

One pound of HORMODIN 2 will treat at least 35,000 average cuttings.

For further details see Directions for Use in enclosed folder.

OHP, Inc. PO Box 230 Mainland, PA 19451 Phone: (800) 356-4647

FEB 2 2 2010

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

59807-2

Simplifies Rooting of Cuttings

NET WT. 1 LB





LABEL INSERT DIRECTIONS FOR TREATING CUTTINGS WITH

A Root Inducing Substance

HORMODIN is supplied	in the follow	ving 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.

1

	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 the first 5 minutes, then continue rinsing eye.
IF ON SKIN Or clothing:	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes
IF INHALED;	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
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 the poison control center or doctor. Do not give anything to an unconscious person.
Call a poison center or doctor for treatment advice. Have the product containe 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 day for emergency medical treatment.	

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.

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.

HORMOOIN 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 leafed 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 lenoth, 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 climactic 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:

- 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.
- Plant treated cuttings in rooting medium

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Pesticide or rinse waters that cannot be used according to label instructions must be disposed of according to applicable Federal, State or local procedures under the Resource Conservation and Recovery Act. Wastes resulting from the use of the product may be disposed on site or at an approved waste disposal facility.

Nonrefillable container. Do not reuse or refill this container.

CONTAINER DISPOSAL (metal/plastic container): Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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.

CONTAINER DISPOSAL (fiber drums with liners): Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth. ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

7

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.

The following plants have been successfully rooted with HORMODIN.

For species not mentioned in the following list it is suggested that HORMODIN 1 or 2 be used.

Abbreviations: Species = sp. Varieties = vars.

Common Name*	Scientific Name	HORMODIN No.
Acanthopanax	Acanthopanax sp	3
African Violet	Saintpaulia sp	1
Ageratum	Ageratum sp	
Andromeda	Andromeda japonica	
Apple	Malus sp.	
Arbor-Vitae (Thuja) vars	Thuja ellwangeriana aurea nana	2
	Thuja occidentalis vars	
Arbutus (Trailing)	Epigaea repens	
Ardisia	Ardisia japonica	
Azalea vars.	Azalea arborescens (June-Aug.)	
	Azalea arborescens grandiflora	
	Azalea calendulaceum	
	Azalea canadense	3
	Azalea canescens	
	Azalea Christmas Cheer	
	Azalea colletianum	3
	Azalea Coral Bell	
	Azalea dauricum (June-July)	
	Azalea gandavense (hybrids)	
	Azalea kosterianuma Miss Louisa Hu	
	Azalea kurume vars. (June-July)	1
	Azalea mollis	
	Azalea mucronatum	
	Azalea obtusa hinodigiri	
	Azalea obtusa kaempieri	
	Azalea Pink Pearl	
	Azalea roseum	
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Common Name*	Scientific Name	HORMODIN No.
Azalea vars. (continued)	Azalea schlippenbachii	
	Azalea Snow	
	Azalea vaseyi	
	Azalea viscosum	
	Azalea yedoense poukhanense	1
Barberry	Berberis sp	1
Bayberry	Myrica sp	1
Beauty Berry	Callicarpa sp	
Beauty Bush	Kikwitzia amabilis (tips) (June-July)	
Beech	Fagus sp. (Aug.)	
Begonia	Begonia sp	
Birch	Betula sp	
Bittersweet	Celastrus sp	
Blackberry	Rubus sp	
Bluebeard	Caryopteris sp	
Blueberry	Vaccinium corymbosum vars	
Bougainvillea	Bougainvillea sp	
Bowstring-Kemp (Snake Plant)	Sanserveria	
Boxwood	Buxus sp	
Broom	Cystisus sp	
Bush-Arbutus	Abelia grandiflora rosea alba (tips be	
Butterflybush	Buddleia sp	
Camelia	Camellia sp	
Candytuft	Iberis sp	
Carnation	Dianthyus vars	
Catalpa	Catalpa sp	
Chaste Tree	Vitex sp	
Chestnut	Castanea sp	
Chokeberry		
Chrysanthemum		
Cinquefoil		
Clematis	Clematis sp	
Clerodendron	Clerodendron	
Clockvine	Thunbergia sp	
Coleus		
Cotoneaster	Cotoneaster horizontalis	3

9

Common Name*	Scientific Name	HORMODIN No.
Crabapple	Malus sp	2 or 3
Crape Myrtle	Lagerstroemia indica	1
Crassula		
Creeper		
Croton	Codiaeum	
Cryptomeria		
Currant	Ribes tenuitorum	
Dahlia	Dahlia vars.	1
Daphne		
Deutzia	Deutzia megnifica	1
Dewberry		
Dianthus (See Carnation)		
Dogwood		
Dovetree		
Douglas fir		
Dracena	Dracena sarderiana	1
Dutchmanspipe	Aristolochia sp	1
Elder		
Elm	Ulmus sp. (June-July)	1
Escailonia	Escallonia sp	3
Euonymus		
False arborvitae	Thujopsis sp	2
Fir	Abies sp	3
Firethorn	Pyracantha sp	1 or 2
Flowering Cherry vars	Prunus sp. and vars	1
Flowering quince	Chaenomeles sp	3
Fontanesia	Fontanesia sp	
Forsythia		
Franklinia	Gordonia alatamaha	2
Fringe tree	Chionanthus sp	2
Fuchsia	Fuchsia	1
Gardenia	Gardenia florida	
Geranium	Geranium	
Germander	<i>Teucrium</i> sp	
Golden Chain	Laburnum	
Grape	Vitis sp. and vars	

Common Name*	Scientific Name	HORMODIN No.
Hawthorne	Crateagus sp	3
Hazeinut	Corylus sp. (June)	
Heath	Erica carnea vars.	
Heather	Caluna vulgaris vars	
Hemlock vars.	Tsuga sp. and vars. (SeptJune)	
Hibiscus	Hibiscus (tropical)	2
Hibiscus (Rose of Sharon)	Hibiscus syriacus vars. (leafy and de	
Holly (American)	llex opaca	
	llex pernyi	
Holly (Chinese)	llex cornuta	
	llex aquifolium	
	llex crenata vars	
	Lonicera sp	
	Hydrangea	
Jasmine		
Jetbead	Rhodotypus sp	1
Juniper vars	Juniperus chinensis vars	3
	Juniperus chinensis japonica	2
	Juniperus chinensis plitzeriana	2
	Juniperus columnis hillii (dwarf)	2
	Juniperus communis vars	3
	Juniperus conferta	3
	Juniperus rigida	2
	Juniperus sabina fastigiata	2
	Juniperus squamata fargesii	2
	Juniperus virginiana vars	3
Kerria	Kerria sp	
Knotweed		
Laburnocytisus		1 or 2
Lantana		
Laurel		
Lavender		
Leuchothoe		. : 2
Lilac (French-Hybrids)		
	Lilium (scales)	
Linden	Tilia sp	1

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Common Name*	Scientific Name	HORMOOIN No.
Locust	Robinia sp	
Magnolia	Magnolia sp	2 or 3
Maidenhair Tree	Ginko biloba	
Manzanita	Arctostaphylos sp	3
Maple (Japanese) vars		
Matrimony Vine		
Melastoma		
Mock Orange	Philadelphus sp	1
Mulberry		
Ninepark		
Oak		3
Oleander		
Olive	. Olea sp	3
Orange (sour)	Citrus aurantium	3
Orixa	Orixa sp	1
Osage Orange	Maclura sp	1
Osmanthus	Osmanthus sp	2
Pachysandra	. Pachysandra terminalis	2 or 3
Pea Shrub	. Caragana sp	1
Pear (stock)	. Pyrus serotina	1
Pecan	. Pecan	3
Penstemon	. Penstemon sp	1
Periwinkle	Vinca sp	2
Petunia	. Petunia sp	1
Philodendron	Philodendron sp	1
Phlox	. Phlox sp	1
Photinia	. Photinia sp	1
Pine	. Pinus sp	2 or 3
Poinsettia	. Euphorbia vars	1
Poplar	. Populus sp	1
Pricklypear Cactus	. Opuntia sp	1
Privet	. Ligustrum avatitolium	3
Raspberry	. Rubus sp	1
Retinospora vars	. Chamaecyparis obtusa vars	3
	Chamaecyparis ptsitera vars	3

Common Name*	Scientific Name	HORMODIN No.
Rhododendron vars	Rhododendron (hybrids)	
	Rhododendron catawbiense hybrids	
	Rhododendron wilsonii	3
Rose	Rosa vars	1
Russian olive	Elaeagnus sp	3
Sage	Salvia sp	
Sequola (Giant)	Sequoia giantia	2
Silverbell	Halesia sp	2
Snapdragon	Antirchinum sp	1
Snowbell	Styrax sp	3
Snowberry	Symphoricarpus sp.	1
Sourwood	Oxydendrum sp.	3
Speedwell	Veronica sp.	1
Spirea	Spirea sp	1
Springscent	Fothergilla major	2
Spruce (Blue)	Picea pungens	2
Spruce (Norway) vars	Picea excelsa vars. (NovFeb.)	1
Stevia	Stevia sp.	1
Stewartia	Stewartia pentagyna	1
St. Johnswort	Hypericum sp	
Sweetleaf	Symplocos	
Taxus (See Yew)		
Trifoliate-Orange	Poncirus sp	2
Trumpet creeper	Campsis sp	
Tuliptree	Liriodendron sp	3
Umbrella Pine	Sciadopitys verticillata	
Verbena	Verbena sp	1
Viburnum	Viburnum sp	1
Waxmyrtle	Myica sp	1
Weigelia	Diervilla sp	1
Willow	Salix sp	1
Wintergreen	Gautheria sp.	
Wisteria	Wisteria sp	2
Witch Hazel	Hamamelis sp	
Yellowwood	Cladrastis sp	

Common Name* Scientific Name HORMODIN No. Yew Taxus baccata vars. 3 Taxus cuspidata vars. 3 Taxus media hatfieldii 3 Taxus media hicksii 3 Zelkova 2elkova sp. 2

"Standardized Plant Names.

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14 1

> OHP, Inc. PO Box 230 Mainland, PA 19451 Phone: (800) 356-4647

> > ESL060807L REV020210

[Note: This page was previously reviewed and approved on EC Geiger Hormodin 1 EPA Stamped Label 08/23/2004]

[Additional Bullet Points]

- Grow New Plants From Cuttings!
- Growing New Plants From Cuttings is Easy!
- · As Simple as Cut, Dip and Plant!
- Same Formula used by professionals!
- 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, Euonymous, 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

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

STORAGE: Store in a cool dry place. Keep in original container.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. [Homeowner (Nonagricultural) use may delete WPS.]