MASTER LABEL

[Booklet is page 1 through page 15. Container Label is page 16. Alternate Homeowner Language is page 17.]

Simplifies Rooting of Cuttings **NET WT. 1 LB**



ACTIVE INGREDIENT:
Indole-3-butyric Acid 0.3%
OTHER INGREDIENTS: 99.7%
TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See label insert for First Aid and Precautionary Statements.

EPA REG. NO. 69916-2

EPA EST. NO. 70908-CA-001

ACCEPTED

AUG 2 3 2004

Under the Federal Insecticides. Fungicide, and Radouticide Rad as amended, for the posticide registered under EPR Rag. No. 169916-2 LABEL INSERT
DIRECTIONS FOR TREATING
CUTTINGS WITH

HORMODIN®

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 Req. No.	69916-1	69916-2	69916-3				

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

CAUTION

Causes moderate eye injury. Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

trol center or doct	trol center or doctor for treatment advice. Have iner or label with you when calling a poison con- tor, or going for treatment. You may also contact cide Information Center (NPIC) 800-858-7378 for al treatment information.
IF ON SKIN OR CLOTHING:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes.
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 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.

FIRST AID

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, 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

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.

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 to 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.

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Do not induce vorniting unless told to do so by the poison control center or doctor.
 Do not give anything to an unconscious

to swallow.

person.

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.

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.

CONTAINER DISPOSAL (metal/plastic container): Triple rinse (or equivalent). Then offer for recycling, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

CONTAINER DISPOSAL (fiber drums with liners): Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

INTRODUCTION

Cuttings from different varieties and species of plants, shrubs, and trees vary greatly in their capacity to form roots. Some are rooted with ease and others with difficulty, or not at all. It is assumed that natural root-forming hormones are present in different plants in varying quantities, and that the

ease or difficulty with which a cutting can root is governed by the natural root-inducing hormones present.

The production of different strengths of HORMODIN, paralleling the range of hormones in nature, is a development of striking importance. Different strengths are recommended for different plants, as can be seen in the plant name chart on the following pages. Three strengths of powder are recommended for application to this 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 slantling 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

Cuttings of most deciduous shrubs probably root best when taken during June, July and August in the New York area. A few varieties can be taken the latter part of April, and others during May, depending upon when the new growth starts. Cuttings taken between August and December will vary considerably in their capacity to root, but a number of varieties will root well when taken at that time. Cuttings of certain plants

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are available over a much wider range of time in the South than in the North, and corresponding season advance must be considered. Cutlings of plants grown indoors are 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 then 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 deep 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.
- 4) Plant treated cuttings in rooting medium

NOTICE OF WARRANTY — E.C. Geiger, 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. Buyer assumes all risks of use and handling which are a variance in any way with the directions hereon. E.C. Geiger, Inc makes no other express or implied warranty of Fitness or Merchantability of any other express or implied warranty. In no case shall E.C. Geiger, Inc or the seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. E.C. Geiger, 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 E.C. Geiger, Inc.

The following plants have been successfully rooted with HORMODIN. Cuttings which respond salisfactorily to HORMODIN 1 would undoubtedly be injured by use of HORMODIN 3, and in some cases by HORMODIN 2. For species not mentioned in the following list it is suggested that HOR-MODIN 1 or 2 be used.

Abbreviations: Species = sp. Varieties = vars.

Common Name*	Scientific Name	HORMODIN
		Ma.
	Acanthopanax sp	
	. Saint paulia sp	
	Ageratum sp	
	. Andromeda japonica	
Apple		
Arbor-Vitae (Thuia) vars	Thu ja ellwangeriana aurea nana	2
	Thu ja occidentalis vars	2 or 3
Arbutus (Trailing)	Epigaea repens	<i>.</i> 3
Ardisia	Ardisia japonica	2
Azalea vars	Azalea arborescens (June-Aug.)	3
	Azalea arborescens grandiflora	3
	Azalea calendulaceum	3
	Azalea canadense	3
	Azalea canescens	3
	Azalea Chrisimas Cheer	1
	Azalea colletianum	3
	Azalea Coral Bell	1
	Azalea dauricum (June-July)	2
	Azalea gandavense (hybrids)	2
	Azalea kosterianuma Miss Louisa Hunne	
	Azalea kurume vars. (June-July)	1
	Azalea mollis	
	Azalea mucronatum	
	Azalea obtusa hinodigiri	
	Azalea obtusa kaempieri	
	Azalea Pink Pearl	
	Azalea roseum	
	O.	

Common Name*	Scientific Name	HORMOOIN Na.
Azalea vars (continued)	Azalea schlippenbachii	
•	Azalea Snow	
	Azalea vaseyi	
	Azalea viscosum	
	Azalea vedoense pouknanense	
Barberry	Berberis sp.	
Bayberry		
Beauty Berry		
Beauty Bush	Kilovitzia amabilis (tips) (June-July)	
Beech	. Fagus sp. (Aug.)	
Begonia	Begonia sp.	
Birch	Betula sp.	
Bittersweet	Celastrus so.	
Blackberry	Rubus sp.	
Bluebeard		
Blueberry	Vaccinium corymbosum vars	
Bougainvillea		
Bowsting-Kemp (Snuke Plant		
Boxwood	Buxus sp.	
Broom	Cystisus sp.	
Bush Arbutus	Abelia grandiflora rosea alba (Sps best)	
Butter flybush		
Camelia	Carnellia sp	
Candyiut	. Iberis sp.	
Carnation	Dianthyus vars	
Cataloa	Catalpa sp.	
Chaste Tree	Vitex sp.	
Chestnut	Castanea sp.	
Chokeberry	Aronia sp.	
Chrysanthemum		
Cinquefoil	. Potentilla so	_
Clematis	Clematis so	
Clerodendron	Clerodendron	
Clockvine	Thunbergia sp.	
Coleus	Coleus blumei	
		'

Common Name*	Scientific Name	HORMODIN Na
Cotoneaster	Cotoneaster horizontalis	****
Crabapple	Malus so	2 or 3
Crape Myrtle	Lagerstroemia indica	
Crassula	Crassula rubicunda	1
Creeper	Parthenocissus sp	1
Croton		
Cryptomeria	Cryptomeria sp.	3
Currant	Ribes tenuitorum	
Dahlia	Dahlia vars	1
Daphne	Daphne sp	1 or 2
Deutzia		
Dewberry		
Dianthus (See Carnation)		
Dogwood		
Dovetree		
Douglas fir		
Dracena		
Dutchmanspipe		
Elder	Sambucus sp	1 or 2
Elm	Ulmus sp. (June-July)	1
Escailonia	Escallonia sp.	3
Euonymus		
False arborvitae	Thu ppsis sp.	2
F#r .,,	Ables sp.	3
Firethorn	Pyracantha sp	1 or 2
Howering Cherry vars	Prunus sp. and vars	1
Flowering quince	Chaenomeles sp.	3
Fontanesia	Fontanesia sp.	
forsythia		
Franklinia	Gordonia alatamaha	2
ringe tree		
Fuchsia		
Gardenia	Gardenia florida	
Geranium	Geranium	
Germander	Teycrium sp.	2 or 3

Common Name*	Scientific Name	HORMODIN Ka.	Common Name*	Scientific Name	HORMODIN No.	Common Hame*	Scientific Hame	HORMODIN
Golden Chain	Laburnum		Lifac (French-Hybrids)	Swinga vulgaris vars. (April 15-May 25)		Raspberry	Rubus sp	MO. 1
Grane						Relinospora vars	Chamaecyparis obtusa vars	
	Crateagus so.			Tilia so.			Chamaecyparis otsifera vars	
	Corylus so. (June)			Robinia sp.		Rhododendron vars	Rhododendron (hybrids)	
Heafi						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rhododendron catavbiense hybri	
Heather	Caluna vulgaris vars			Ginko biloba			Rhododendron wilsonii	
Hemlock vars.			Manzanita	Arctostaphylos sp.	3	Rose	Rosa vars.	
Hibiscus	Hibiscus (tropical)	2	Maple (Japanese) vars.	Acer laponicum palmatum vars.			Elaeagnus sp.	
Hibiscus (Rose of Sharon)	Hibiscus syriacus vars. (leafy and dormar			Lycium halimilolium				
Hofly (American)			Melastoma	Melastoma	1		Sequoia giartia	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	flex pernyl	3	Mock Orange	Philadelphus sp.	1		Halesia sti	
Holly (Chinese)	llex cornuta		Mulberry	Morus alba	1		Antirrhinum sp.	
Hally (English)			Ninepark	Physocarpus so.	3		Styrax sp	
Holly (Japanese)	llex crenala vars	2	Oak	Quercus so.	3		Symphoricarpus sp.	
Honevsuckle	Lonicera so.		Oleander	Oleander nerium	2	Sour wood	Oxydendrum sp	
Hydrangea	Hydrangea	1	Olive				Veronica sp.	
Jasmine	Jasminum nudiflorum	1		Citrus aurantium			Spirea sp	
Jetbead	Rhodof vpus sp	1	Orixa	Orixel sp.	1		Fotheroilla mabr	
Juniper væs	Juniperus chinensis vars.	3	Osage Orange	Mackera sp.	1	Spruce (Blue)	Picea pungens	2
•	Juniperus chinensis Inponica	2	Osmanthus	Osmanthus sp	2	Spruce (Norway) vars	Picea excelsa vars. (Novfeb.)	1
	Juniperus chinensis pritzeriana	2	Pachysandra	Pachysandra terminalis	2 or 3	Slevia	Stevia sp	
	Juniperus columnis hillii (dwarf)	2	Pea Shrub	Caragana sp.	1	Stewarta	Stewartia pentagyna	
	Juniperus communis vars.	3					Hypericum sp.	
	Juniperus conferta			Pecan			Symplocos	
	Juniperus rigida			Penstemon sp		Taxus (See Yew)		
	Juniperus sabina fastigiata			Vinca sp			Poncinus sp	
	Juniperus squamata fargesii		Petunia	Petunia sp			Campsis sp	
	Juniperus virginiana vars		Philiodendron				Liriodendron sp	
Kerria	Kerria sp						Sciadopitys verticiliata	
Knotweed	Polygonum sp						Verbena sp	
	Laburnocytisus sp			Pinus sp		Viburnum		
	Lantana sp.			Euphorbia vars.		Waxmyrše		
	Kalmia sp.			Populus sp			Diervilla sp	
Lavender				Opuntia sp.			Salix sp	
Leachothos	Leucothoe sp	2	Privet	Ligustrum avalifolium	3	Wintergreen	Gautheria sp	2
	12			13		÷	14	

*Standardized Plant Names.

E.C. Geiger, Inc. Rte. 63, Box 285 Harieysville, PA 19438 Phone: (800) 443-4437

ESL 101698 REV 062804

Extended Text® INTEG™ has the following Patents: U.K. & Europe 0130053, U.S.A. 4592572, Canada 1231526.



Hormodin' 2

A ROOT INDUCING SUBSTANCE

HORMODIN 2 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 in enclosed folder.

Lot

Easy to Use Just Dip and Plant Clean

Made In U.S.A

Simplifies Rooting of Cuttings

NET WT. 1 LB

Hormodin[®] 2

A ROOT INDUCING SUBSTANCE

ACTIVE INGREDIENT:	
Indole-3-butyric Acid	0.3%
OTHER INGREDIENTS:	99.79
TOTAL	100.09

KEEP OUT OF REACH OF CHILDREN

CAUTION

See label insert for First Aid and Precautionary Statements.

EPA REG. NO. 69916-2

EPA EST, NO. 70908-CA-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.

E.C. Geiger, Inc. Rte. 63, Box 285 Harleysville, PA 19438 Phone: (800) 443-4437

[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.

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

[Homeowner (Nonagricultural) use may delete WPS.]