

UNITED STATES IN TROUBLES AT PROTECTION AGENCY WASHINGTON, D.C. 20460

NOTIFICATION

OFFICE PROVENTIONS IN STREAM (1995) PASSESS HAVE GREEK

APR 1 1 2007

Frank E. Sobotka, Ph.D.
Agent for Rotam Agrochemical Company Ltd.
C/o IPM Resources LLC
660 Newtown-Yardley Road, Suite 105
Newtown, PA 18940

SUBJECT: Applications for Pesticide Notification - Revise EPA Reg. #s/Address & Table of Contents

ToledoTM Agricultural Fungicide EPA Reg. No. 83100-1
PlotterTM Agricultural Fungicide EPA Reg. No. 83100-3

AbacusTM Agricultural Miticide/Insecticide EPA Reg. No. 83100-4

LucidTM Ornamental Miticide/Insecticide EPA Reg. No. 83100-5

Applications Dated February 13, 2007

Dear Dr. Sobotka:

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above products. The Registration Division (RD) has conducted a review of these requests for their applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The labels submitted with the applications have been stamped "Notification" and will be placed in our records.

If you have any questions, please me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

Linda Arrington

Notifications & Minor Formulations Team Leader

Registration Division (7505P)

Office of Pesticide Programs

660 Newfown-Yardley Rd. Suite 105 Newfown PA 18440 Phone. 215 497-9501 Fax 215 497-4502

March 3, 2007

VIA DHL EXPRESS

NOTIFICATION

APR 1 1 2007

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202-4501
Attn: John Hebert/PM 7

Subject: NOTIFICATION/Minor Change to Labeling

ABACUS Agricultural Miticide/Insecticide (EPA Reg. No. 83100-4) LUCID Ornamental Miticide/Insecticide (EPA Reg. No. 83100-5)

Dear Mr. Hebert:

Revised labeling for each of the above subject registrations are being submitted under NOTIFICATION advising the Agency of the following changes in final print labeling:

- Addition of Table of Contents
- Minor non-notification changes revising new EPA Reg. Number and Company Address.

Attached to this transmittal are copies of EPA Form 8570-1 and one copy of revised labelling for each of the four subject products.

Sincerely yours,

Agent

United States Environmental Protection Agency Washington, DC 20460			Registra Amendr ✓ Other	tion	OPP Identifier Number	
	Applicati	on for Pesticide - Se	ction I			
Company/Product Number Rotam Agrochemical Company Limited 83100-5		2. EPA Product Me John Hebert	2. EPA Product Manager John Hebert		posed Classification None Restricted	
Company/Product (Name) LUCID Ornamental Miticide/insecticide		PM# 7	f		<u></u>	
5. Name and Address of Applic Rotam Agrochemical Company I c/o IPM Resources LLC (Agent) 660 Newtown-Yardley Rd., Suite Newtown, PA 18940	Limited 2 105	(b)(i), my produc to: EPA Reg. No.	t is similar or identi	cal in con	FIFRA Section 3(c)(3) nposition and labeling	
Check if this is	a new address	Product Name Section - II	Product Name			
Notification - Explain bel	se to Agency letter dated	Agency le "Me Too" Other - Ex	ted labels in repsonse atter dated Application. xplain below.	NOTIF	FICATION 1 1 2007	
		Section - III				
1. Material This Product Will Be	Packaged in:					
Yes No	No Packaging No Pres No. per Packaging wgt. container 80z 8	Water Soluble Packaging Yes No If "Yes" Package wgt No. per		Container Metal Plastic Glass Paper Other (Sp	pecify)	
3. Location of Nat Contents Information 4. Size(s) Rate Label Container			5. Location of Lab	el Direction	ns	
6. Manner in Which Label is Aff		graph Dth r glued piled	er			
		Section - IV				
1. Contact Point (Complete iter	ms directly below for identificati	on of individual to be contacted	i, if necessary, to pro	cess this e	pplication.	
Name Frank E. Sobotka, Ph.D.		Title Agent			No. (Include Area Code) -9501	

Certification

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowlingly false or misleading statement may be punishable by fine or imprisonment or

3. Title

5. Date

Agent

Frank E. Sobotka, Ph.D.

EPA Form 8570-1 (Rev. 3-94) Previous editions are obsolete.

both under applicable law.

2. Signatur

4. Typed Name

White - EPA File Copy (original)

February 13, 2007

Yellow - Applicant Copy

6. Date Application Received

(Stamped)

Lucid TM ORNAMENTAL MITICIDE/INSECTICIDE

NOTIFICATION

APR 11 2007

For Control of Leafminers and Mites and Suppression of Aphids, Whitefiles and Thrips on Ornamental Plants .

*0.15 lb. abamectin per gallon

WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use inside booklet.

JURSTAID STATEMENT WILL BEINSTRUDBLIRE AT PRINTING

Manufactured by: Rotam Agrochemical Company Limited 660 Newtown-Yardley Rd. Newtown, PA 18940

EPA Reg. No. 83100-5

EPA Est. No.: 069821-CHN-005

NET CONTENTS: ONE QUART

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INGREDIENTS
PRECAUTIONARY STATEMENTS
ENVIRONMENTAL HAZARDS
DIRECTIONS FOR USE
STORAGE AND DISPOSAL
CONDITIONS OF SALE AND LIMITATION OF
WARRANTY AND LIABILITY

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING. Causes substantial but temporary eye injury. Harmful if swallowed. Harmful if inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear protective eyewear (goggles or faceshield). Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

This product contains a chemical (N-methyl pyrolidone) known to the state of California to cause birth defects or other reproductive harm.

3

FIRST AID (Avermectin B ₁)				
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, the continue rinsing eye. Call a poison control center or doctor for further treatment advice. 			
If Swallowed	 Call poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person. 			
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. Call poison control center or doctor for treatment advice.			
If On Skin Or Clothing	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice. 			

Note to Physician

Recommendations for Medical Treatment for LUCID ((Avermectin B₁) Acute Toxicity: Early signs of intoxication include mydriasis (dilated pupils), ataxia (unsteadiness) and muscle tremors. Toxicity following accidental ingestion of the concentrate can be minimized by inducing vomiting within one-half hour of exposure.

If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels) as indicated by clinical signs, symptoms and measurements.

In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since avermectin is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic avermectin exposure.

(Avermectin B₁)

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For Medical Emergency call [TO BE ADDED]

Personal Protective Equipment

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category B on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves EPA chemical resistance category B (e.g. barrier laminate or butyl rubber ≥ 14 mils)
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical resistant apron when mixing, loading, or cleaning equipment
- For shadehouse and greenhouse use, applicators and other handlers must wear a dust/mist filtering respirator (MSHA/NIOSH approval prefix number TC-21C.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow 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:

- Wash hands before cating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothes immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

This pesticide is toxic to fish and wildlife. Do not apply directly to water, 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 wash water or rinsate.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Physical or Chemical Hazards

Do not use or store near heat or open flame.

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It is a violation of Federal (U.S.A.) 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 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 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 over short-sleeved shirt and short pants
- Chemical-resistant gloves EPA chemical resistance category B (e.g. barrier laminate or butyl rubber > 14 mils)
- · Chemical-resistant footwear plus socks
- · Protective eyewear
- · Chemical-resistant headgear for overhead exposure

NON-AGRICULTURAL USE REQUIREMENTS

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

Do not reenter treated areas until sprays have dried.

Lucid is an emulsifiable concentrate which when mixed with water according to the directions for use will control leafminers and mites and suppress whiteflies, thrips and aphids on ornamentals.

Mix with sufficient water and apply as a foliar spray to obtain uniform coverage. For mites, apply when mites first appear and repeat as necessary to maintain control. For leafminers, apply as needed and repeat at 7-day intervals or as necessary to maintain control.

For suppression of aphids, thrips and whiteflies, apply when young, immature stages of these pests are first observed and repeat every 7 days for two or three weeks. After which time, rotate to other products that have different modes of action than Lucid for at least two to three weeks. Refer to the **Resistance Management** section for additional comments of rotation. Aphids, thrips and whiteflies are killed by direct contact with the Lucid spray.

Lucid Ornamental Miticide/Insecticide

Residual control of pests may be enhanced with the addition of a horticultural spray oil at 0.5 to 1.0% of the spray volume on field-grown woody ornamentals, landscape plants and Christmas trees. Repeat application as necessary, but no sooner than 7 days to maintain control. Some plants are sensitive to oils and so without prior experience the user should spray a small number of plants and observe plants for two weeks before spraying the remaining plants. Excessive cold or warm temperatures may increase the chance of plant damage following application with oils. Carefully read and follow directions on the oil label and do not exceed maximum rates listed on either label.

Shadehouse, Greenhouse, Field-Grown Ornamentals, Foliage Plants, Christmas Trees and Other Woody Ornamentals

Pests	fl.oz Lucid/100 gals.	Comments
Mites ¹ : European Red Mite Two-spotted Spider Mite Carmine Spider Mite Southern Red Mite Spruce Spider Mite Tarsonemid Mites:	4	For Tarsonemid mites, repeat applications to newly developing tissue may be necessary to maintain control.
Cyclamen and Broad Mites Eriophyid Mites: Rust and Bud Mites		
Liriomyza Leafminers ²	8	Repeat at 7-day intervals or as necessary to maintain control.
Boxwood Leafminer	8	For control of mining larvae, make the application when adults are beginning to lay eggs in the new foliage.
Aphids, Thrips and Whiteflies	8	For suppression of pest populations, young immatures must be contacted by the spray.

General Information Per Application: Do not apply less than 8 fl. oz. or more than 16 fl. oz. per acre. Use sufficient water to obtain uniform plant coverage. Refer to the **Resistance Management** section and the **Restrictions** section for additional information.

Apply, for example, in 200-400 gals. of water per acre. In volumes of water below 200 gals., use a minimum of 8 fl. oz. per acre. If more than 400 gals. of water per acre are required for good plant coverage, apply a maximum rate of 16 fl. oz. per acre. For example, if 650 gals. of water are required, use 2.5 fl. oz. per 100 gals.

²Apply, for example, in 100-200 gals, of water per acre. In volumes of water below 100 gals,, use a minimum of 8 fl. oz. per acre. If more than 200 gals, of water per acre are required for good plant coverage, apply the maximum rate of 16 fl. oz. per acre. For example, if 400 gals, of water are required, use 4 fl. oz. per 100 gals.

Lucid Ornamental Miticide/Insecticide

Resistance Management

Treatment may not be effective against these pests if Lucid-tolerant strains develop. Therefore, when applying Lucid to plants that are hosts of labeled pests with multiple generations per crop or year, resistance management strategies must be used. Such strategies may include, but are not limited to, rotation of products with different modes of action, avoid treatment of successive generations with the same product, use of labeled rates at specified spray intervals, nonchemical alternatives such as beneficial arthropods, rotation of susceptible to nonsusceptible plants and various cultural practices. For additional information on the implementation of these or other resistance management strategies, consult with your State Cooperative Extension Service.

To manage susceptibility in *Liriomyza* leafminer species, apply a maximum of three applications of Lucid and then rotate to Citation[®] for a maximum of three applications, before rotating back to Lucid or using another product. The rotation between these two products with different modes of action should be based on the generation time of *Liriomyza* species to avoid applying Lucid to successive generations.

Restrictions

Do not use Lucid for suppression of aphids, whiteflies and thrips on roses, chrysanthemums and gerbera. These ornamentals are primary hosts of mites and *Liriomyza* leafminers for which Lucid applications should be targeted. Additional applications of Lucid to suppress aphids, thrips and whiteflies on these plants will increase the selection pressure on mites and *Liriomyza* leafminers which may result in greater tolerance to Lucid among these pests.

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

Not for aerial application.

Do not use in citrus nurseries.

Lucid has been evaluated for phytotoxicity on a wide range of ornamental plants. However, since all combinations or sequences of pesticide sprays including surfactants and adjuvants have not been tested, it is recommended that a small area be sprayed first to make certain that no phytotoxicity occurs. Phytotoxicity has been observed following the use of Lucid on certain species of ferns (e.g. Adiantum spp.) and Shasta Daisy (L. Eucanthemum spp.). It is therefore recommended that Lucid not be used on ferns or Shasta Daisy.

STORAGE AND DISPOSAL

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

Storage: Store in a tightly closed container in a cool, dry place.

Prohibitions: Open dumping is prohibited. Do not reuse empty container.

Pesticide 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) and dispose of in an incinerator or landfill approved for pesticide containers.

SPILLS: For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire or other emergency, call [TO BE ADDED], day or night.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

Notice: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ROTAM AGROCHEMICAL COMPANY LIMITED or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ROTAM AGROCHEMICAL COMPANY LIMITED and Seller harmless for any claims relating to such factors.

ROTAM AGROCHEMICAL COMPANY LIMITED warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or ROTAM AGROCHEMICAL COMPANY LIMITED, and Buyer and User assume the risk of any such use. ROTAM AGROCHEMICAL COMPANY LIMITED MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall ROTAM AGROCHEMICAL COMPANY LIMITED or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ROTAM AGROCHEMICAL COMPANY LIMITED AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ROTAM AGROCHEMICAL COMPANY LIMITED OR SELLER, THE REPLACEMENT OF THE PRODUCT.

ROTAM AGROCHEMICAL COMPANY LIMITED and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of ROTAM AGROCHEMICAL COMPANY LIMITED.

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[Base Container Label]

NOTIFICATION

APR 1 1 2007



For Control of Leafminers and Mites and Suppression of Aphids, Whiteflies and Thrips on Ornamental Plants .

KEEP OUT OF REACH OF CHILDREN WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use inside booklet.

JURST AID STATEMEN, WILL BE INSERTED HERE AT PRINTING!

Manufactured by: Rotam Agrochemical Company Limited 660 Newtown-Yardley Rd. Newtown, PA 18940

EPA Reg. No. 83100-5

EPA Est. No.: 069821-CHN-005

NET CONTENTS: ONE QUART



PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING. Causes substantial but temporary eye injury. Harmful if swallowed. Harmful if inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear protective eyewear (goggles or faceshield). Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

This product contains a chemical (N-methyl pyrolidone) known to the state of California to cause birth defects or other reproductive harm.

Lucid Ornamental Miticide/Insecticide

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If Swallowed	 Call poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person. 	
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. Call poison control center or doctor for treatment advice.	
If On Skin Or Clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.	

Note to Physician

Recommendations for Medical Treatment for LUCID ((Avermectin B₁) Acute Toxicity: Early signs of intoxication include mydriasis (dilated pupils), ataxia (unsteadiness) and muscle tremors. Toxicity following accidental ingestion of the concentrate can be minimized by inducing vomiting within one-half hour of exposure.

If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels) as indicated by clinical signs, symptoms and measurements.

In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since avermectin is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic avermectin exposure.

(Avermectin B₁)

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For Medical Emergency call [TO BE ADDED]

DIRECTIONS FOR USE

Restricted Use Pesticide

Refer to attached booklet for complete Precautionary Statements and Directions For Use.