

499-477

04/17/2009

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms Patricia A. Hodge  
Whitemire Micro-Gen Research Laboratories Inc  
3568 Tree Court Industrial Blvd.  
St Louis, MO 63122-6682

APR 17 2009

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4 and 2007-1  
and 98-10  
Storage and Disposal Language Revisions and Other Changes

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notice (PRN) 2007-4, 98-10 and 2007-1 dated February 20, 2009 for:

**EPA Registration 499-477 Optachield CS Controlled Release Premise  
Insecticide-AG**

The Registration Division (RD) has conducted a review of this request for applicability under PRN 2007-4, 98-10 and 2007-1, and finds that the label change(s) requested falls within the scope of PRN-2007-4, 98-10 and 2007-1. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Banza Djapao of my staff at 703-305-7269.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

	United States <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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**Application for Pesticide - Section I**

1. Company/Product Number 499-477	2. EPA Product Manager Richard Gebken	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Optachield CS Controlled Release Premise Insecticide-AG	PM# 10	
5. Name and Address of Applicant (include ZIP Code) Whitmire Micro-Gen Research Laboratories Inc. 3568 Tree Court Industrial Blvd. St. Louis, MO 63122-6682  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: <div style="text-align: center; font-weight: bold; font-size: 1.2em;">NOTIFICATION</div> EPA Reg. No. _____ <div style="text-align: right; font-weight: bold; font-size: 1.2em;">APR 17 2009</div> Product Name _____	

**Section - II**

<input type="checkbox"/> Amendment - Explain below.  <input type="checkbox"/> Resubmission in response to Agency letter dated _____  <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application.  <input type="checkbox"/> Other - Explain below.
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**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

Notification of revision of Storage & Disposal statement per PR Notice 2007-4 and 2007-1. This notification is consistent with the guidance in PR Notices 2007-1 and 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146 and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146 and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

<b>1. Material This Product Will Be Packaged In:</b>				<b>2. Type of Container</b>	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt.    No. per container	If "Yes" Package wgt    No. per container		
<b>3. Location of Net Contents Information</b>		<b>4. Size(s) Retail Container</b>		<b>5. Location of Label Directions</b>	
<input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		16 - 120 fl oz		[XXXX]	
<b>6. Manner in Which Label is Affixed to Product</b>			<input checked="" type="checkbox"/> Lithograph Paper glued Stenciled <input type="checkbox"/> Other _____		

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)					
Name Patricia A Hodge		Title Regulatory Specialist		Telephone No. (Include Area Code)	
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.					6. Date Application Received (Stamped)
2. Signature  Patricia A Hodge		3. Title Regulatory Specialist			
4. Typed Name		5. Date 2/20/2009			

**"This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA."**





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### DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

Cover fish tanks prior to application. Do not apply this product in patient rooms while occupied or in any rooms while occupied by the elderly or infirm. Do not apply to classrooms when in use. Avoid contamination of food, feedstuffs or water supply. Do not contaminate food preparation surfaces, kitchen utensils, dishes or feed storage containers. All food/feed contact surfaces and cooking utensils should be covered during treatment or thoroughly cleaned before using. Do not spray where electrical short circuits might result, such as wall outlets, conduits, etc.

### GENERAL INFORMATION

This product is a liquid capsule suspension containing 6% cyfluthrin which will provide extended residual control of the pests listed on this label. This product may be applied using compressed air, backpack, or power spray equipment. Thoroughly clean spray equipment before using this product. Shake concentrate well before mixing. First add approx. 1/2 the required water to the tank, then add the proper amount of concentrate. Agitate, add the remaining water and thoroughly agitate the solution again. When emptying the bottle, triple rinse with water and add the rinsate to the spray tank. Continue to agitate solution occasionally during use to ensure even coverage. Shake or reagituate solution if spraying is interrupted or if dilution is left in sprayer overnight. If spray screens are used they should be  $\geq 50$  mesh. Water may be used at temperatures up to 160°F.

This product may be sprayed on any surface which will not be damaged or stained by water. Heavy applications may leave a visible deposit. On some surfaces this deposit can be removed with a damp cloth or sponge. Do not apply this product through any type of irrigation system and do not formulate this product into other end-use products.

Do not apply water based sprays of this product to conduits, motor housing, junction and switch boxes or other electrical equipment because of possible shock hazard.

### GENERAL SURFACE APPLICATION

Use 1.0 – 2.0 fl oz of concentrate /1,000 ft<sup>2</sup> in sufficient water to adequately cover the area being treated, without dripping or run off. The higher rate should be used for clean-outs, for longer residual control or for heavy insect infestations.

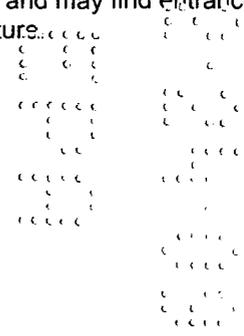
### MIXING CHART

Low Rate - 1.0 fl oz/1,000 ft <sup>2</sup>			
Optashield CS	Finished Spray	Spray Rate	Coverage
1.0 fl oz	1 gal	1 gal/1,000 ft <sup>2</sup>	1,000 ft <sup>2</sup>
1.0 fl oz	2.5 gal	2.5 gal/1,000 ft <sup>2</sup>	1,000 ft <sup>2</sup>
20.0 fl oz	20 gal	1 gal/1,000 ft <sup>2</sup>	20,000 ft <sup>2</sup>
20.0 fl oz	50 gal	2.5 gal/1,000 ft <sup>2</sup>	20,000 ft <sup>2</sup>
High Rate - 2.0 fl oz/1,000 ft <sup>2</sup>			
Optashield CS	Finished Spray	Spray Rate	Coverage
2.0 fl oz	1 gal	1 gal/1,000 ft <sup>2</sup>	1,000 ft <sup>2</sup>
2.0 fl oz	2.5 gal	2.5 gal/1,000 ft <sup>2</sup>	1,000 ft <sup>2</sup>
40.0 fl oz	20 gal	1 gal/1,000 ft <sup>2</sup>	20,000 ft <sup>2</sup>
40.0 fl oz	50 gal	2.5 gal/1,000 ft <sup>2</sup>	20,000 ft <sup>2</sup>

Apply as a coarse wet spray.

Applications can be made to walls, floors, ceilings, in and around cupboards, between, behind beneath equipment, appliances, around floor drains, window and door frames and light fixtures, and on the underside of shelves, drawers and in similar areas. Applications may be made to floor surfaces, along walls and around air ducts.

As a perimeter spray to help prevent pest infestations treat a band of soil 6 - 10 ft wide around and adjacent to the building or structure. Also treat the building foundation and sides where pests are active and may find entrance. Treat other insect entry points such as doors, windows, under siding and eaves of structure.



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### SPOT, CRACK & CREVICE OR VOID APPLICATIONS

Mix 1.0 – 2.0 fl oz of concentrate in one gallon of water. The higher rate should be used for clean-outs, for longer residual control or for heavy insect infestations.

	Optashield CS	Finished Spray	A.I. Concentration
Low Rate	1.0 fl oz	1 gal	0.05%
High Rate	2.0 fl oz	1 gal	0.10%

Use a low pressure system with a pin point or variable pattern nozzle to apply the suspension in specific areas such as cracks and crevices in or behind baseboards, in floor walls and expansion joints, areas around water and sewer pipes, wall voids or voids in table legs and equipment where pests can hide as well as other similar areas. Spot treatments may also be made to areas such as storage areas, closets, doors and windows, behind and under refrigerators, cabinets, sinks, stoves and other equipment, the underside of shelves, drawers and similar areas.

### INDOOR TREATMENTS

For general indoor pests and occasional invaders make applications in a manner as previously described under General Surface Application and/or Spot, Crack & Crevice or Void Applications. Particular attention should be given to treating entry points and harborage areas.

Do not use in food/feed areas of food/feed handling establishments, restaurants or other areas where food/feed is commercially prepared or processed. Do not use in serving areas while food/feed is exposed or facility is in operation. Serving areas include areas where prepared foods are served such as dining rooms and exclude areas where foods may be prepared or held. In the home, all food/feed processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food/feed should be covered or removed. Nonfood/feed areas are areas such as garbage rooms, rest rooms, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling).

**Flies:** Make spot applications on surfaces where flies rest in the dark at night or frequent during the day, such as window frames, screens, trash cans, ceilings and upper wall surfaces.

**Ants:** Inject cracks, crevices and voids where ants may be traveling and/or harboring such as around doors, window frames, and other structural cracks, crevices and voids. Spot treatment of trails and feeding areas may also be made.

**OTHER CRAWLING INSECTS, such as Centipedes, Cockroaches, Crickets, Dermestids, Earwigs, Firebrats, Millipedes, Psocids, Silverfish, Sowbugs, Spiders:** Make spot treatment and/or Crack & Crevice injections into hiding places such as cracks and crevices, void areas, moist areas, openings around pipes and sinks and under refrigerators.

**TICKS:** Apply as a spot and/or Crack & Crevice treatment in infested and egg laying areas such as pet resting quarters, nearby cracks and crevices, behind baseboards, door and window frames. Replace pet's old bedding with clean fresh bedding after treatment. Do not treat pets with this product.

### OUTDOOR TREATMENTS

This product can be used as a general surface application on and around outdoor surfaces and/or a spot, Crack & Crevice or void application treatment of buildings, porches, window frames, eaves, patios, garages, garbage dumps, and other areas where pests congregate or enter premises.

As a perimeter treatment, make applications in a manner previously described under General Surface Application.

**FLIES:** Treat outside surfaces of screens, doors, window frames or wherever flies enter. Also treat surfaces on porches, in garages, and other places where insects light or congregate. Treat normal fly resting areas such as ceilings, upper corners of the area, around windows and doors, and other surfaces. Treat inside and outside surfaces of dumpsters and other trash holding containers. Treat trash storage areas. Treat so as to lightly moisten the target surface. For best results, begin treatments at the start of the fly season and repeat during periods of heavy fly activity. Treat no more than twice per week and at least 3 days apart.

**CRAWLING INSECTS, such as Ants, Cockroaches, Crickets, Earwigs, Sowbugs, and Scorpions:** For treatment of infestations of these insects in outdoor areas which are landscaped, planted, mowed or unmaintained. For ants treat mounds and runways. Repeat applications as infestation waxes and as reinfestation occurs. Apply to cracks and crevices where insects may enter premises. Treat areas such as weep holes, under siding, wall voids, soffits, around attic vents, cracks and crevices, openings around windows, doors and pipes. Treatment of infested fences and tree holes is permitted.

**FLEAS:** Treat infested areas. This product kills fleas on contact but does not provide residual control.

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### INDOOR AND OUTDOOR TREATMENTS

**CARPENTER ANTS:** Make spot and/or Crack & Crevice applications to any trails, inside or outside around doors and windows, and other places where ants enter premises. Treat areas such as atriums, crawl spaces, ceilings, garages, soffits, wall voids, weep holes, and other void areas. Where possible, treat ant nest or infested wood directly.

**BEEES, WASPS AND YELLOWJACKETS:** As a preventative or remedial treatment to help prevent these insects from building nests or workers from congregating on structures, follow perimeter treatment directions under General Surface Application section of label. Pay particular attention to soffit and eave areas.

For treatment of a yellowjacket or wasp nest, liberally treat the nest, inside the nest for yellowjackets and the surrounding area. For treatment of nests inside wall voids, inject into the nest sufficient quantity to treat the complete nest. More than one point of application maybe required. Most applications should require no more than 1/2 gal of diluted material. Pay particular attention to what the water may contact such as electrical wiring. Do not use where there is a shock hazard.

THIS PRODUCT DOES NOT PROVIDE INSTANT KNOCKDOWN. THE BEST TIME TO TREAT IS LATE IN THE DAY. COLONY SHOULD BE DEAD IN 2 - 3 DAYS. DEPENDING ON THE SITUATION, PROTECTIVE EQUIPMENT FOR THE APPLICATOR MAY BE REQUIRED.

### USE IN AND AROUND LIVESTOCK HOUSING

For use by pest control operators or livestock producers in livestock housing structures to control flying and crawling insects. Apply as a general surface application and/or spot, Crack & Crevice or void application. Make applications with a low pressure sprayer with suitable nozzles to achieve uniform coverage or with fogging or misting equipment. Control will be enhanced when facilities are cleaned and indoor treatments are supplemented with outdoor perimeter applications.

Do not make indoor applications in areas of facility where animals other than cattle or horses are present. Do not apply directly to animal feedstuffs or watering equipment.

**FOGGING OR MISTING APPLICATION:** Remove all animals from the facility to be treated. Cover all feeders and waterers, and close all vents, windows and doors. After application, wait 0.5 hr and ventilate facility before entering.

**FLIES:** For residual control of flies such as house flies and stable flies on outdoor surfaces and in animal areas such as dairy barns, dairy areas, milkrooms, calf hutches, calving pens and parlors, poultry houses, hog barns, horse barns, and kennels. As a general surface application treat normal fly resting areas such as ceilings, screens, upper corners of the areas, around windows, doors and light fixtures and other surfaces known to attract flies.

For best results, initiate treatments at the beginning of the fly season and repeat during periods of heavy fly activity. Treat no more than twice per week and at least 3 days apart.

**DARKLING BEETLES:** For residual control of darkling beetles and other insects in poultry houses, at cleanouts and in between poultry grow-out periods.

Use as a general surface application on floors, litter, walls, ceilings, posts and other surfaces where pests live and cause damage.

Use 1.0 – 2.0 fl oz/1,000 ft<sup>2</sup>. Use the high rate for heavy infestations.

### STORAGE AND DISPOSAL

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

**STORAGE:** Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides or fertilizers. Do not store above 122°F for extended periods of time. Preferred storage is above 32°F. Storage below 32°F may result in solidification. If warmed to above 32°F, product will return to original form. Freezing does not adversely affect this product. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

**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:** Nonrefillable container. Do not reuse or refill this container! Empty the container by using the product according to the label directions. Triple rinse the container (or equivalent) promptly after emptying. Triple rinse as follows:

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[MASTER LABEL]

v3.2 (2/17/09; pah)

[(< 2.5 gal) Empty the remaining contents into application equipment or a mix tank and drain for 10 sec after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 sec. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 sec after the flow begins to drip. Repeat this procedure 2 more times.]

[(>2.5 gal) Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip the container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 sec. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other 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 2 more times.]

Place empty, triple rinsed container in trash or offer for recycling if available. If container is partly filled, call your local solid waste agency for disposal instructions. NEVER PLACE UNUSED PRODUCT DOWN ANY INDOOR OR OUTDOOR DRAIN!

**PESTS CONTROLLED BY OPTASHIELD CS:**

	<b>Indoor</b>		<b>Outdoor</b>	
<b>Crawling</b>	Ants	Firebrats	Ants	Fleas
	Centipedes	Millipedes	Cockroaches	Scorpions
	Cockroaches	Psocids	Crickets	Ticks
	Darkling Beetles	Silverfish	Fire Ants	
	Dermestids	Sowbugs		
	Earwigs	Spiders		
<b>Flying</b>	Flies		Bees	
	Gnats		Flies	
	Mosquitoes		Hornets	
	Moths		Moths	
	Yellow jackets		Yellow jackets	
	Wasps		Wasps	
<b>Wood-Infesting Pests</b>	Carpenter Ants			
	Beetles			

**A Prescription Treatment® brand insecticide from:**  
Whitmire Micro-Gen Research Laboratories, Inc.®  
3568 Tree Court Industrial Blvd.  
St. Louis MO 63122-6682  
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**NOTIFICATION**

APR 17 2009

