



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 432-1212	2. EPA Product Manager John Hebert	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Sevin Grub Killer Granules (2% Sevin)	PM# 7	
5. Name and Address of Applicant (Include ZIP Code) Bayer Environmental Science 95 Chestnut Ridge Road Montvale, NJ 07645 <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: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION DEC 15 2005
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Label Notification per PR Notice 98-10: Addition of Marketing Claim to the label. 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.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Metal <input 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		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> 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 NORMA C. PANGILINAN	Title Manager, Registrations	Telephone No. (include Area Code) 919 549-2428
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 knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Manager, Registrations	
4. Typed Name Norma C. Pangilinan, Ph.D.	5. Date November 30, 2005	

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NOTIFICATION
DEC 15 2005

SEVIN GRUB KILLER GRANULES (2% SEVIN)

For Use on Vegetables and Fruits
For Home Lawns and Ornamental/Recreational Turf
To Kill and Control Fire Ants, Ticks (including those that may vector Lyme Disease)

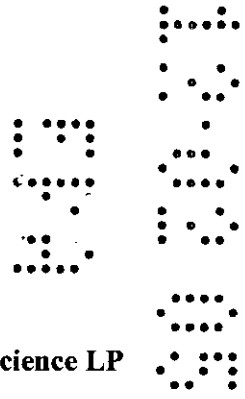
- * Kills Japanese Beetles * Slow Release Granules * Bug Killer
- Kills Numerous [Over 30] Pests on Lawns and Ornamentals * Covers Up to _____ Square Feet
- *Easy to Use Granules *Use on Lawns, Ornamentals and Around Homes *Special Value! 20% Bonus 12 lbs. for the price of 10 lbs.

ACTIVE INGREDIENT:

Carbaryl*.....	2.0%
OTHER INGREDIENTS.....	<u>98.0%</u>
*CAS Number 63-25-2	Total..... 100.0%

Keep Out of Reach of Children
CAUTION
See back panel for additional precautionary statements

Net Weight: 5 pounds [Covers up to 2,146 sq. ft.]
 Net Weight: 10 pounds [Covers up to 4,292 sq. ft.]
 Net Weight: 12 pounds [Covers up to 5,150 sq. ft.]
 Net Weight: 20 pounds [Covers up to 8,584 sq. ft.]



EPA Reg. No.432-1212

EPA Est. _____

Bayer Environmental Science, A Business Group of Bayer CropScience LP
 2 T. W. Alexander Drive
 Research Triangle Park, NC 27709

[Back Panel]

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

CAUTION: Harmful if swallowed or inhaled. Avoid breathing avoid dust. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks and household or latex rubber gloves. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instruction for washable are provided, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

- Wear long-sleeved shirt, long pants, shoes plus socks and household latex or rubber gloves when applying this product. Change clothing as soon as possible after use.
- Wash the outside of gloves before removing. As with any pesticide product, wash hands thoroughly immediately after handling and before eating, smoking and using the toilet.
- Do not allow children or pets to contact treated area until granules have been absorbed into the soil.

FIRST AID

This product is a N-methyl carbamate and is a cholinesterase inhibitor

If Swallowed	<ul style="list-style-type: none"> • Call 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 by mouth to an unconscious person.
If Inhaled	<ul style="list-style-type: none"> • 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 a poison control center or doctor for further treatment advice.
If in Eyes	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for treatment advice.
If on Skin or Clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
You may also contact 1-800-334-7577 for emergency treatment information.

NOTE TO PHYSICIAN

CARBARYL is an N-methyl carbamate insecticide which is a cholinesterase inhibitor. Specific antidote consists of atropine. Narcotics and other sedatives should not be used. Drugs like 2-PAM (pyridine-2-aldoxime methiodide) are not recommended.

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Environmental Hazards

This product is extremely toxic to aquatic and estuarine invertebrates. 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 waters.

DIRECTION FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use on turf being grown for commercial seed production, research purposes, sale or other commercial use such as sod.

Read Entire Label Before Using This Product

Strictly observe label directions and cautions. Do not apply this product in a way that will contact applicators or other persons, either directly or through drift. Unprotected persons must vacate the area being treated.

{For product packaged in containers of 5 pounds or less:}

Storage and Disposal

Storage: Store in original container in a cool, dry place away from children and animals. Avoid excess heat. Disposal: 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.

{For product packaged in containers greater than five pounds:}

Storage and Disposal

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

Storage: Store in original container in a cool, dry place away from children and animals. Avoid excess heat. In case of spill, confine spill and avoid contact; isolate and keep away from animals and unprotected persons. 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: Plastic: Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Bags:

Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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GENERAL DIRECTIONS

FOR LAWNS, ORNAMENTAL AND RECREATIONAL TURF

Use when insects first appear and/or plant damage is imminent. For best results, mow lawn first and then apply material uniformly to dry turfgrass. Irrigate ¼" to wash insecticide into the grass. Do not allow use of treated areas during application. Keep children and pets off treated areas until grass is dry. Apply when air is calm to avoid drift and contact with skin and eyes. Repeat applications as necessary up to a total of 4 times per year but not more often than once every 7 days.

Treatment Areas	Pests	Pounds of This Product Per 1000 Sq. Ft.	Comments
Lawns Ornamental And Recreational Turf Areas	Ants	Lucerne Moth	For effective control, irrigate after application to remove chemical from granules. For heavy infestations of Chinch bugs, increase rate to 5lbs per 1000 sq. ft. and treat the entire area.
	Armyworms	Millipedes	
	Centipedes	Mosquitoes (Adults)	
	Chiggers	Scarab beetle adults:	
	Chinch bugs	Such as May beetle,	
	Cutworms	June beetle, Japanese	
	Earwigs	beetle, Green June	
	Essex skipper	beetle	
	European	Sod Webworm	
	Chafer	(lawn moths)	
	Fall army-	Sowbugs	
	Worm	(lawn moths)	
	Fiery Skipper	Spittlebugs	
	Grass-	Springtails	
hoppers	Ticks		
Green june	Yellowstriped		
beetle larvae			
Leafhoppers			

Billbug larvae	Black	9	For effective control of subsurface pests, apply when insects are actively feeding near the soil surface, usually during late March through May, or July through early September, or as recommended by local agricultural extension service agents. irrigate thoroughly after application to remove chemical from granules and move it down into the thatch.
European crane fly larvae	turfgrass		
Fleas	ataenius beetle larvae		
White grubs:	Hyperodes		
Such as Japanese Beetle larvae,	weevil (bluegrass		
Chafer beetle Larvae,	Weevil larvae)		
<i>Phyllophaga</i> spp.			
Larvae, Annual			
White grubs			

Control of Ticks That May Vector Lyme Disease

For control of juvenile and adult Ixodes spp. ticks (Deer Ticks and Black Legged Tick) and ticks (Lone Star Tick) which may vector Lyme Disease: Apply granules at the rate of 7 to 9 pounds of product per 1000 sq. ft. with appropriate equipment to ensure uniform coverage. Target applications to control juvenile ticks (larvae and nymphs) in late spring or early summer (May/June). Control of adult ticks can be achieved with late summer and fall applications (August/September)> Make applications to lawns, shrub beds, ornamental plantings, wooded areas and around outside perimeters of home and other buildings. Do not make spot applications. Treat entire lawn and perimeter wooded areas and property boundaries where exposure to ticks may occur. For optimum results, irrigate treated areas after application to remove chemical from the granules. Ticks may be reintroduced from surrounding areas or host animals. Reapply as necessary to maintain adequate control, but not more often than once every 7 days.

Imported Fire Ants

For use as a mound treatment to control imported fire ants occurring in lawns, turf and premise areas, apply ½ cup of granules over and around each mound (Approximately 2'x 2'). Thoroughly irrigate mound immediately after treatment to remove to chemical from the granules and flush it down into the mound. A minimum of 1 gallon of water should be sprinkled over each mound, but do not use more than 2 gallons of water as flooding of the mound may result. Apply water gently to avoid disturbing ants and cause migration before chemical can be effective. For best results apply in cool weather (65oF to 80oF), early morning or late afternoon. Treat new mounds as they appear.

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For Flowering Plants and Shrubs (Ornamental Plantings) in Landscape and Foundation Plantings.

Pests		Pounds of This Product Per 1000 Sq. Ft.	Specific Directions
Ants	Firebrats	2.25 to 5	<p>Application to wet foliage periods of high humidity may cause injury to tender foliage.</p> <p>Apply granules in a 6-foot band around the building, to shrub and flowerbeds, foundations, ornamental plantings and Lawn or soil areas immediately adjacent To the building. For most effective Control, treated area should be lightly Watered after applications to remove The chemical from the granules.</p> <p>Repeat as needed for control up to 3 times per year but do not apply More often than once every 7 days.</p> <p>Do not use on plants above chest height.</p>
Armyworms	Fleas		
Centipedes	Millipedes		
Crickets	Scorpions		
Cutworms	Silverfish		
Earwigs	Spiders		
	Ticks		

Nuisance Pest Control Around the Outside of Homes, Porches, Patios and Buildings
For control of Ants, Armyworms, Centipedes, Crickets, Cutworms, Earwigs, Firebrats, Fleas, Millipedes, Scorpions, Silverfish, Sowbugs, Spiders and Ticks: Apply granules uniformly in a 8 foot band around the building. Apply granules at the rate of 2 1/3 lbs. per 1000 sq. ft. to shrub and flower beds, foundations, ornamental plantings and lawn and soil areas immediately adjacent to the building. For most effective control, treated area should be lightly watered after application to remove the chemical from the granules. Repeat application as necessary to control new infestations.

**Nuisance Pest Control in Vegetables and in Small Fruits and Berries
 (Not for Use in California)**

Not to be applied to plants being grown for commercial purposes. For control of ants, centipedes, crickets, cutworms, earwigs, grasshoppers, millipedes, sowbugs (pillbugs), springtails and ticks. Water lightly after application to release the chemical from the granules. Applications may be made at any time before, during or after the growing season but it is recommended to begin applications when insect or damage is first observed and repeat as directed below. Retreatment intervals (days between treatments) are found listed in the table below.

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Preharvest Use Limitation: Observe the listed preharvest intervals (number of days between the last application and harvest) for application during the growing season.

Do not use crops other than those listed in the following table.

Crop	Maximum Single Application Rate (lbs./1000 sq. ft.)	Maximum Seasonal Application Rate (lbs./1000 sq. ft.)	Retreatment Interval (days)	PHI (days)	Comments
<u>Asparagus (spears)</u>	2.25	6.88	3	1	Total maximum seasonal application rate is 23 lbs. per 1000 sq. ft. per crop. The total number of applications is 3 prior to harvest with 2 additional applications only to ferns. *after harvest of spears
Asparagus (ferns*)	2.25	4.6	7	1	
<u>Beans (fresh & dried): [snap, navy & kidney], Peas, (fresh & dried), Cowpeas, Lentils</u>	1.7	6.88	3	3(S) 21(D) 14(F) 21(H)	S = succulents D = dried F = forage H = hay
<u>Garden beets (roots), Carrots, Horseradish, Radishes, Parsnips, Rutabaga, Salsify, Turnips (roots)</u>	2.25	6.88	7	7	Total number of applications per crop can be 6 (some of which must be lower than the maximum single application rate)
<u>Sugar beets</u>	1.7	3.45	14	28(R)	R = roots, forage
<u>Mustard greens</u>	2.25	6.88	7	14	Total number of applications per crop can be 4 (some of which must be at lower than maximum single application rate)

Brussels sprouts, Broccoli, Cabbage Cauliflower Chinese Cabbage, Collards, Kale, Kohlrabi	2.25	6.88	7	3(A) 14(B)	A = Brussels sprouts, broccoli cabbage, kohlrabi and cauliflower B = Chinese cabbage, kale and collards Total number of applications per crop can be 4 (some of which must be at a lower than maximum single application rate)
Corn (field and pop)	2.25	9.2	14	14(Fr) Fr=forage, silage 48(Fd) Fd=fodder, grain	
Corn (sweet)	2.25	18.35	3	2 E-ears 14(Fr) Fr=forage 48(Fd) Fd=fodder	
Cucumber, melon Squash	1.15	6.88	7	3	
Lettuce (head & Leaf) Endive, Celcery, Dandelion, Parsley, Spinach, Swiss chard, Hanover salad, Rhubarb, Garden Beets (top), Turnips (tops)	2.25	6.88	7	15	Total number of applications per crop can be 5 (some of which must be at lower than maximum single application rate)

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Crop	Maximum Single Application Rate (lbs./1000 sq. ft.)	Maximum Seasonal Application Rate (lbs./1000 sq. ft.)	Retreatment Interval (days)	PHI (days)	Comments
Potatoes	2.25	6.88	7	7	Total number of applications per crop can be 6 (some of which must be at lower than maximum single application rate)
Grain sorghum (not sweet)	2.25	6.88	7	14 (Fr) 21 (Fd)	Fr = forage, grazing Fd = forage, grain Total number of applications per crop can be 4 (some of which must be at lower than single application rate).
Strawberry	2.25	11.5	7	7	
Tomato, Pepper, Eggplant	2.25	9.2	7	3	Total number of application per crop can be 7 (some of which must be at lower than maximum single application rate)
Wheat	1.7	3.45	14	21(G) 7 (F)	G=grain or straw F=forage

Do not plant rotational crops not listed on this or other carbaryl labels in carbaryl-treated soil.

11/15

Sevin Grub Killer granules are applied using a commercial spreader. Spreaders and settings are found in the table below. Do not repeat applications more than once a week.

Spreader	Spreader Settings			
	2/ 1/3 lbs.	Pounds/1000 sq. Ft. 4 2/3 lbs.	3.5 lbs.	Pounds / 500 Sq. Ft. 4.5 lbs.
Scots Even Green 18"	15	16*	15	16
Scotts Speedy Broadcast	14	15*	14	15
Red Devil Broadcast	12	13*	12	13
Red Devil Drop 20"	12	13*	12	13
Republic EZ Drop 18"	8	10	8	10
Republic EZ Broadcast	9	13*	9	13
Republic EZ Tractor Broadcast	9	13*	9	13
[Other Spreaders As Appropriate]	TBD	TBD	TBD	TBD

*This number indicates a criss-cross application will be required to apply the number of pounds shown for 1000 sq. ft.

Alternative Spreader Settings for Untreated Peanut Hulls:

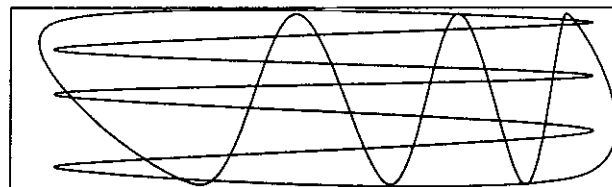
Spreader	Type	Rate (lbs/1000 ft2)	Setting
Scotts Precision Green P-4	Drop	2.25	8
		4.6	11
		6.8	14
		9.2	16.5
		11.5	NA
		18.35	NA
Cyclone Rotary	Rotary	2.25	5
		4.6	6
		6.8	8
		9.2	NA
		11.5	NA
		18.35	NA
Earthway Rotary	Rotary	2.25	14
		4.6	18
		6.8	27
		9.2	NA
		11.5	NA
		18.35	NA
Earthways Ev-N-Spred	Rotary	2.25	14
		4.6	18
		6.8	27

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		9.2 11.5 18.35	NA NA NA
Republic EZ	Drop	2.25 4.6 6.8 9.2 11.5 18.35	9 12 13 13 15 NA
Scotts Speedygreen 3000	Rotary	2.25 4.6 6.8 9.2 11.5 18.35	8 NA NA NA NA NA
Craftsman Rotary (0195)	Rotary	2.25 4.6 6.8 9.2 11.5 18.35	6 10 15 NA NA NA
Precision EZ Spread SB550	Rotary	2.25 4.6 6.8 9.2 11.5 18.35	7 9 NA NA NA NA
Pursell's Sta-Green SB4500	Rotary	2.25 4.6 6.8 9.2 11.5 18.35	8 9 NA NA NA NA
Agri-Fab 85 lb. Spreader Model #4503123062	Rotary	2.25 4.6 6.8 9.2 11.5 18.35	6 7 8 10 NA NA

NA: Not applicable, no setting for this rate.

Example:



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Buyer assumes all risks of use, storage or handling of this product not in strict accordance with this label.

If you have a medical emergency, need consultation on diagnosis, therapy and analysis please call: (800)-420-9347

If you have questions relating to this product use or application, please call: (800) 969-7200

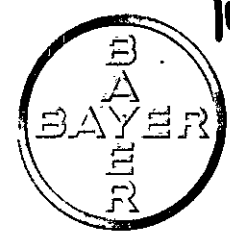
If you have a product spill or transportation emergency call: (800) 424-9300

For Material Safety Data Sheets please go to www.gardentech.com, or call (800) 969-7200.

Ak.111504

Sevin Grub Killer Granules (2% Sevin) (Pending) Submitted by Notification 11-30-05

14/15



Bayer Environmental Science

VIA COURIER

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
1801 Bell Street
Arlington, VA 22202

Attn: Ms. Sherada Hobgood

**Subject: Sevin Grub Killer Granules (2% Sevin) (EPA Reg. No. 432-1212)
-Label Notification per PR Notice 98-10:
Addition of Marketing Claim**

November 30, 2005

Bayer Environmental Science
2 T.W. Alexander Drive
Research Triangle Park
NC 27709

Tel. No. 919-549-2000
Fax. No. 919-549-3937

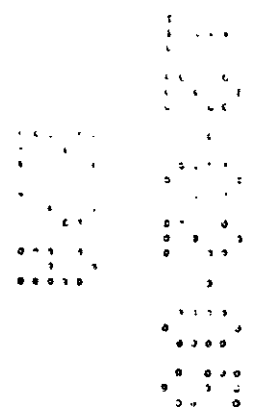
Dear Ms. Hobgood:

Pursuant to PR Notice 98-10, Bayer Environmental Science wishes to notify the Agency of a minor labeling change for Sevin Grub Killer Granules (2% Sevin) EPA Reg No. 432-1212. The label change included addition of the marketing claims "Special Value! 20% Bonus 12 lbs. for the price of 10 lbs." and "Net Weight: 12 lbs [Covers up to 5,150 Sq. Ft]".

In support of this notification, the following documents are being submitted:

1. Completed Application for Registration (EPA Form 8570-1),
2. Three copies of the revised product label plus one copy highlighting changes,

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 Section 12 and 14 of FIFRA.



A Business Group of
Bayer CropScience

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Please do not hesitate to call (919-549-2428) or e-mail me (norma.pangilinan@bayercropscience.com), if you have any questions.

Thank you very much for your assistance in this matter.

Sincerely,

BAYER ENVIRONMENTAL SCIENCE
A Business Group of Bayer CropScience



NORMA C. PANGILINAN, Ph.D,
Manager, Registrations

cc: Reg. Book w/ attachments
K. Shearer w/o attachments

