

432-1211

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

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

February 3, 2009

Gregory Mattern
Bayer Environmental Science
P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, NC 27709

Subject: Notification

Dear Mr. Mattern;

The Agency is in receipt of your refilling of Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated November 7, 2008 for the product AES Carbaryl Insecticide Spray, EPA Reg. No. 432-1211. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-305-6736 or electronically at Edwards.joanne@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "J. S. Edwards".

Joanne S. Edwards
Insecticide-Rodenticide Branch
Registration Division (7505P)
Office of Pesticide Programs



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 432-1211	2. EPA Product Manager John Hebert	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) AES Carbaryl Insecticide Spray - Ready-To-Use	PM# 07	
5. Name and Address of Applicant (Include ZIP Code) Bayer Environmental Science P.O. Box 12014, 2 T.W. Alexander Drive Research Triangle Park, NC 27709 <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 _____
<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.)
Notification per PR Notice 98-10. See attached Section II Explanation.

Section - III

1. Material This Product Will Be Packaged In:			
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	2. Type of Container <input type="checkbox"/> 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 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 Gregory C. Mattern	Title Regulatory Product Manager	Telephone No. (Include Area Code) (919) 549-2630
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 <i>Gregory C. Mattern</i>	3. Title Regulatory Product Manager	
4. Typed Name Gregory C. Mattern	5. Date November 19, 2008	

Section II - Explanation

Please find enclosed a Notification of minor label modification for **AES Carbaryl Insecticide Spray Ready-To-Use**, EPA Reg. No. 432-1211, per PR Notice 98-10. The specific purposes of this notification are as follows:

- (1) Update the optional instructions for the battery-operated sprayer (added "Option 2") due to a change in the sprayer head, in accordance with PR Notice 98-10. This change in sprayer head does not result in any changes in the application rate, method or exposure. However there are slightly different connection, use and on/off directions. This notification is consistent with the provision of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and except for those noted in this explanation (below), no other changes have been made to the labeling or the confidential statement of formula of this product. We understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. We 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 we could be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.
- (2) On page 3, under "Fruit Crops", 2nd paragraph, the word "either" was corrected to "eight"

Two copies of the updated product label are enclosed (one highlighted copy with all changes highlighted).

Option 1:

How to Attach Sprayer to Bottle: Remove Power Sprayer and hose from side carrier. Replace bottle cap with cap attached to Power Sprayer hose.

Prepare to Spray: Point Sprayer away from body. Adjust nozzle to desired setting, do not turn past "X" position. Slide safety switch to ON position.

Spray: Squeeze trigger to dispense product. Sprayer may require several seconds to prime before spraying.

After Use: Slide safety switch to LOCK position. Turn sprayer nozzle to OFF position. Return Power Sprayer to side carrier for storage.

Option 2:

How to Attach Sprayer to Bottle: Remove Power Sprayer from side carrier. Pull battery tab to remove. Fully extend hose from bottom of sprayer. Open flip-cap on bottle. Insert hose and plug into flip-cap opening until it snaps into place.

How to Spray: Point Power Sprayer away from body. Adjust sprayer nozzle to desired setting. Squeeze trigger to dispense product. Sprayer may require several seconds to prime before spraying.

After Use: Turn sprayer nozzle to X (off) position. Do not unplug hose. Return Power Sprayer to side carrier for storage. Do not reuse Power Sprayer with any other product or on any other container.

Proper Use of Batteries: Never mix old batteries with new. Do not mix Alkaline with Standard (carbon zinc) or Rechargeable (nickel cadmium) batteries. When replacing batteries, follow diagram inside battery compartment. When storing sprayer at end of season, remove batteries to prevent leakage. Follow manufacturer's recommendations for disposal of batteries.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

SHAKE CONTAINER BEFORE USING

Hold sprayer 8 to 12 inches from the area to be treated. Spray until surface is wet.

Apply when air is calm to avoid drift and contact with eyes and skin. This product is not recommended to be applied in mid-day sun or when temperatures exceed 85°F as temporary leaf burn may occur. Start spraying at the farthest corner of the treatment area and work backward to avoid contact with wet surfaces. Allow spray to dry in treated areas before reentering. For trees taller than 10 feet consider hiring a licensed professional. Spray thoroughly to wet upper and lower leaf surfaces, stems and branches. Do not repeat applications more than once a week.

VEGETABLE CROPS

For control of all the vegetable pests listed below, apply this product in adequate volume to effectively cover both the upper and lower surfaces of the plant. NOTE: This product is not registered for use on celery and sweet potatoes in California.

PHI refers to the minimum interval in days that must be observed between the date of the last application and date of harvest. APP refers to the maximum number of applications per season.

CROPS	PHI	APP	PESTS
Asparagus	1	3	Alfalfa Caterpillar Lima Bean pod borer
Crowder peas, Southern peas	3	6	Apache cicada Lygus bugs
Corn, sweet	2	8	Armyworms Melon worm
Broccoli, Brussels sprouts, Cabbage	14	3	Asparagus beetle Mexican bean beetle
Cauliflower, Chinese Cabbage, Kohlrabi			Aster leafhopper
Eggplant, Tomato	3	4	Bean leaf beetle Pea weevil
Black-eyed peas, Green beans, Lima beans, Navy beans, Snap beans, Cowpeas, Cucumber, Melons, Okra, Peas, Peppers, Pumpkin, Squash	3	6	Chinch bug Pea leaf weevil Colorado potato beetle Rednecked peanutworm Sap Beetles
Carrots, Dandelion, Garden beet tops, Garden beet tops, Horseradish, Parsnips	14	3	Corn earworm Southwestern corn borer Corn rootworm adult
Potatos, Radishes, Rutabagas, Salsify			Cowpea curculio Spittlebugs
Roots, Turnip roots			Cucumber beetle Squash bugs
Sweet potatoes	7	4	Cutworms Stink bugs
Peanuts	14	5	European corn borer Sweet potato weevil
Celery, Collards, Endive (Escarole), Hanover salads, Head lettuce, Kale, Leaf lettuce, Mustard Greens, Parsley, Salsify roots, Spinach, Swiss chard, Turnip tops	14	3	Fall armyworm Flea beetles Three cornered alfalfa hopper Grasshoppers Thrips Green Cloverworm Tomato hornworm Harlequin bug Tomato pinworm
Dried beans	21	6	Imported cabbage-worm Tortoise beetle Japanese beetle Velvetbean caterpillar Lace bugs Webworms Leafhoppers Western bean cutworm Whitefringed beetle (adults) Yellowstriped armyworm

FRUIT CROPS

This product may be used as a spot treatment for localized pest infestations on the tree fruits listed below. Do not use on large trees or where pest populations are generally inaccessible to spray deposits, as inadequate control will result. Direct spray toward upper and lower leaf surfaces and between fruit clusters and on small limbs and trunks to the point of runoff where pest appear.

Repeat applications as necessary up to a total of eight times for tree fruits or five times for small fruits, but not more often than once every seven days.

NOTE: To avoid undesired apple thinning delay use until at least 30 days after full bloom. Carbaryl insecticide may injure early dawn and sunrise strawberry varieties on the Delmarva Peninsula. The

number in parenthesis following each fruit and nut crop grouping refers to the minimum interval that must be observed between the date of the last application and the date of harvest.

FRUITS	PESTS	
TREE FRUITS	Apple aphid	Leafrollers
Apples, Apricots, Cherries, Nectarines, Peaches	Apple maggot	Lecanium scales
Pears, Plums, Prunes (3 days until harvest)	Apple mealybug	Lesser appleworm
	Apple pandemis	Lesser peachtree
	Apple rust mite	borer
	Apple sucker	Meadow spittlebug
	Avocado Leafroller	Omnivorous leaf-tier
	Bagworms	Strawberry fruitworm
	Black Cherry Aphid	Orange tortrix
	Black scale	Oriental fruit moth
	Blueberry maggot	Oystershell scale
SMALL FRUITS	Brown soft scale	Peach twig borer
Blackberries, Blueberries, Dewberries,	California red scale	Pear leaf blister mite
Grapes, Raspberries, Strawberries (7 days	Cherry fruitworm	Pear psylla
Until harvest)	Cherry maggot	Pear rust mite
	Citricola scale	Periodical cicada
	Citrus cutworm	Plum curculio
	Citrus root weevil	Prune leafhopper
	Citrus snow scale	Raspberry sawfly
	Codling moth	Red-banded leafroller
	Cucumber beetles	Rose chafer
	Cutworms	Rosy apple aphid
	Eastern tent caterpillar	Saltmarsh caterpillar
	Eightspotted forester	San Jose scale
	European apple sawfly	Snowy tree cricket
	European earwig	Strawberry weevil
	European raspberry aphid	Tarnished plant bug
	Eyespotted budmoth	Tentiform leafminers
	Forbes scale	Tussock moth
	Fruitree leafroller	Variegated leafroller
	Grape berry moth	Western grapeleaf
	Grape leaffolder	skeletonizer
	Grape leafhopper	Western tussock
	Green fruitworm	moth
	Japanese beetle	Western yellowstriped
	June beetles	armyworm
	Leafhoppers	West Indian sugarcane
		borer (adults)
		White apple leafhopper
		Woolly apple aphid
		Yellow headed
		fireworm

TREES, ORNAMENTALS, SHRUBS AND FLOWERS

This product may be used as a spot treatment for localized pest infestations on trees. Do not use on large trees or where pest populations are generally inaccessible to spray deposits, as inadequate control will result. Direct spray toward the upper and lower leaf surfaces and small trunks, stems and twigs to the point of runoff where pests appear. Repeat applications as necessary up to a total of four times for trees and six times for ornamentals, shrubs and flowers, but not more often than once every seven days.

TREES

PESTS

Trees	Ants	Hackberry nipplegall makers	Poinsettia horn worm
Including shading	Apple aphid	Holly budmoth	Psyllids
Shade trees	Armyworm	Holly leafminer	Puss caterpillar
Shelter belts,	Azalea leafminer	Jackpine budworm	Redhumped oakworm
Plantations,	Bagworms	Japanese beetle	Rose aphid
Parks and	Birch leafminer	Jeffrey pine needleminer	Rose chafer
Recreational areas	Blister beetle	June beetles	Roseslug
	Boxelder bug	Plant bugs	Saddled prominent
	Boxwood leafminer	Lace bugs	Sawflies (exposed)
Ornamentals	Browntail moth	Leafhoppers	Scale insects
Including Roses,	Cankerworms	Leafrollers	Sowbugs
Other herbaceous	Catalpa sphinx	Locust borer	Spiny elm caterpillar
Plants, Woody	Chiggers	Maple leafcutter	Springtails
Shrubs	Cooley spruce gall	Mealy bugs	Spruce budworm
	Elm leaf aphid	Mimosa webworm	Spruce needleminer
	Elm spanworm	Nantucket pine tip moth	Subtropical pine tip moth
	Eriophyid mites	Oak leafminers	Tent caterpillar
	European pine-shoot moth	Oak leaf skeletonizer	Thorn bug
	Fall armyworm	Oakworm complex	Thrips (exposed)
	Flea beetles	Oleander caterpillar	Ticks
	Fuller rose beetles	Olive ash borer	Walnut caterpillar
	Gall midges	Orange-striped oakworm	Webworms
	Gall wasps	Orange tortrix	Western hemlock loopers
	Grasshoppers	Periodical cicada	Western spruce budworm
	Green striped-mapleworm	Pine Sawfly	Willow leaf beetles
	Gypsy moth	Pine spittlebug	Yellow poplar-weevil
		Pitch pine tip moth	

PEST CONTROL AROUND BUILDINGS AND OTHER OUTDOOR AREAS

This product may be used as a spot treatment around buildings such as homes, apartments, warehouses, barns and municipal and recreational areas to control the pests listed below. Thoroughly wet the outside perimeter of dwellings and other areas where pest tend to congregate.

NOTE: Staining may occur on certain surfaces such as stucco, brick, cinder block and wood. Therefore, applications of this product to surfaces where a noticeable residue or discoloration is objectionable should be avoided. Do not apply to carpets or draperies as staining may occur. Care should also be exercised to avoid spotting of wallpaper and fabrics.

Do not use this product in commercial food areas of food handling establishments, restaurants or other places where food is prepared or processed. Do not use in serving areas while food is exposed.

PESTS	
Ants	Firebrats
Bees	Fleas
Brown dog ticks	Millipedes
Carpenter ants	Scorpions
Centipedes	Silverfish
Cockroaches	Spiders
Crickets	Wasps
Earwigs	

STORAGE AND DISPOSAL

Storage: Store unused product in an area out of reach of children and animals. Do not store in areas where temperatures frequently exceed 100°F. 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.**

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or inhaled. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

USER SAFETY REQUIREMENTS

- Wear long-sleeved shirt, long pants, shoes plus socks and household latex or rubber gloves when applying this product.
- Wear a hat and eye protection when making overhead applications.
- Remove clothing immediately if pesticide soaks clothing. 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 or using the toilet. Do not allow children or pets to contact treated area until sprays have dried.

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.	

Environmental Hazards

This product is extremely toxic to aquatic and estuarine invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of wastes.

Bee Caution

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

Plant Response Precautions

Do not use on Boston Ivy, Virginia creeper and Maidenhair fern as injury will result. During early season it may also injure Virginia and Sand pines.

DO NOT PLANT ROTATIONAL FOOD AND FEED CROPS NOT LIST ON THIS OR OTHER CARBARYL LABELS IN CARBARYL TREATED SOIL.

11/11
Buyer assumes all risks of use. Storage or handling of this product not in strict accordance with this label.
(CODE EPA)

Garden Tech ® is a registered trademark of Gulfstream Home and Garden, Inc.

Sevin® is a registered trademark for Bayer CropScience for Carbaryl Insecticides For a Material Safety
Data Sheet: Call 1-888-673-7577



Bayer Environmental Science

A Business Group of Bayer CropScience LP

**Bayer Environmental Science
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709**

Carbaryl Insecticide Spray(MASTER) Approved 08/29/03, Notification Submitted 07/20/05, Notification 11/19/08