


(A) 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input type="checkbox"/> Other	OPP Identifier Number
	Application for Pesticide:		167268

Section I

1. Company/Product Number 59639-56-AA	2. EPA Product Manager Robert A. Forrest	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) MONITOR 4 Spray	PM# 14	
5. Name and Address of Applicant (Include ZIP Code) Valent U.S.A. Corporation 1333 N California Blvd. Walnut Creek, CA 94596 <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. 59639-56-AA Product Name MONITOR 4 Spray	

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.)

We are submitting five copies of finished labeling complying with EPA's request to update the "Wetlands" statement under the Environmental Hazards section to read as highlighted on the attached labels.

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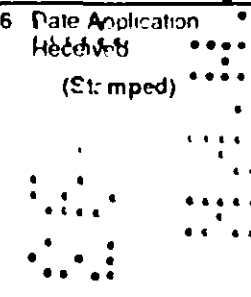

NOTIFICATION
LABEL NOT REVIEWED
PER PR NOTICE 88-6

DATE: 8/3/93

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		<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 Package 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) of Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
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 Mark Herbst		Title Registration Assistant		Telephone No. (Include Area Code) (510) 256-2745	
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 Registration Assistant			
4. Typed Name Mark Herbst		5. Date July 14, 1993			

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RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision
and only for those uses covered by the Certified Applicator's certification.



NOTIFICATION
LABEL NOT REVIEWED
PER PR NOTICE 88-8

DATE 8/3/93

MONITOR[®]

4 Spray

(INSECTICIDE)



POISON

Active Ingredient	By Wt.
*Methamidophos	40.0%
Inert Ingredients	60.0%
*O,S-dimethyl phosphoramidate	
Contains 4 pounds active per gallon at 88°F.	

KEEP OUT OF REACH OF CHILDREN.

DANGER—PELIGRO

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este
producto hasta que la etiqueta le haya sido explicada ampliamente.

NET CONTENTS 1 GALLON

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER

Fatal if swallowed, inhaled or absorbed through skin! Do not breathe vapor or spray mist. Wear a MSHA/NIOSH approved pesticide respirator. Rapidly absorbed through skin! Do not get in eyes, on skin, or on clothing. Wear protective clothing, rubber gloves and goggles. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

STATEMENT OF PRACTICAL TREATMENT

ANTIDOTE: If swallowed—Drink 1 or 2 glasses of water or milk and induce vomiting by touching back of throat with finger. If possible contact a physician, Poison Control Center, or emergency center before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. Take person and product container to the nearest emergency treatment center. If inhaled—Remove victim to fresh air. If not breathing, give artificial respiration and get medical attention immediately. If On Skin—Remove contaminated clothing immediately and wash skin thoroughly with soap and water. Get medical attention immediately. If In Eyes—Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention immediately.

Note to Physicians: Emergency Information—call 1-800-892-0099. Methamidophos is a cholinesterase inhibitor. Measurement of blood cholinesterase activity may be useful in monitoring exposure. If signs of cholinesterase inhibition appear, atropine sulfate is antidotal. 2-PAM (Protopam) is also antidotal and may be used in conjunction with atropine, but should not be used alone.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to birds and other wildlife. Birds and other wildlife in treated areas may be killed. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

REENTRY STATEMENT

Keep all unprotected persons out of operating areas or vicinity where there may be danger of drift.

Do not enter treated areas without protective clothing until sprays have dried.

Certain states may require more restrictive reentry intervals; consult your State Department of Agriculture for further information.

Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.

When oral warnings are given, warnings shall be given in a language customarily understood by workers and must indicate the specific period of time that treated areas may not be entered without protective clothing. Oral warnings must also include appropriate first aid instructions in case of accidental exposure. These instructions are given in the STATEMENT OF PRACTICAL TREATMENT at the beginning of this label.

Written warnings must include the following information, "DANGER. Area treated with MONITOR 4 Spray on (date of application). Do not enter treated areas without appropriate protective clothing until sprays have dried (or other reentry interval if your State has a more restrictive interval for this product). If accidental exposure occurs, follow the instructions below." (Written warnings must include the STATEMENT OF PRACTICAL TREATMENT given at the beginning of this label.)

DIRECTIONS

May be applied to potatoes by sprinkler irrigation system. Do not apply by chemigation to any other crop, or this crop using any other type of irrigation system.

<p>USE DESIGNATED AMOUNT OF PRODUCT IN THE FOLLOWING GALLONS OF WATER PER ACRE UNLESS OTHERWISE NOTED:</p> <p>GROUND APPLICATION — 25 to 125 gals water</p> <p>AIR APPLICATION — 3 to 10 gals water</p>
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Crops	Insects	Amount of MONITOR 4 Spray per Acre	Further Use Directions	Days to Harvest
Broccoli Brussels Sprouts Cabbage (includes tight heading varieties of Chinese Cabbage) Cauliflower	Aphids Cabbage Looper Diamondback Moth Larvae Imported Cabbage worm	1 to 2 pts (0.5 to 1.0 lb active) per acre	In a Preventive Program: Beginning when the plants are small, use the 1 pt rate (0.5 lb active) and apply at 7 day intervals. For Clean-Up of Existing Populations - Use 1 1/2 to 2 pts (0.75 to 1.0 lb active) per acre. Do not use on loose heading varieties of Chinese Cabbage, such as Bok Choy	Broccoli-Do not apply the 1 pt rate later than 14 days before the first harvest. Do not apply the higher rates later than 21 days before the first harvest. Brussels Sprouts-14 days before first harvest. Cabbage-35 days before first harvest. Cauliflower-28 days before first harvest.
Celery (Florida Only)	Dipterous Leafminers	1 to 2 pts (0.5 to 1.0 lb active) per acre	Up to 10 applications may be made at 7 to 10 day intervals using ground equipment only. Plants should be held trimmed (tops removed) before shipping or use. Celery trimmings cannot be fed to livestock and treated celery cannot be dried for celery flakes	21
Cotton	Aphids Beet Armyworm Cabbage Looper Lygus Bugs (CA, AZ Only), Mites, Thrips	1 to 2 pts (0.5 to 1.0 lb active) per acre	Do not feed gin trash to livestock or allow animals to graze on treated areas. For Whiteflies, a second application may be needed for heavy infestation	50 (and before bolls open)
	Whiteflies	0.5 to 1 pt (0.25 to 0.5 lb active) per acre		
Potatoes	Aphids Cabbage Looper Colorado Potato Beetle (except Long Island, NY) Flea Beetles Potato Leafhopper Potato Tuberworm	1 1/2 to 2 pts (0.75 to 1.0 lb active) per acre	Apply in a 7 to 10 day preventive program or as necessary. Resistance to Colorado potato beetle has occurred in other areas. Consult your local extension service for details	14
Sugar Beets (AZ, CA Only)	Green Peach Aphid	1 to 2 pts (0.5 to 1.0 lb active) per acre	Repeat at 14 day intervals as needed. Do not apply more than 6 applications of MONITOR 4 Spray per crop season	30
Sugar Beets (Seed Crop Only CA, AZ Only)	Aphids, Mites	1 to 2 pts (0.5 to 1.0 lb active) per acre	Use a minimum of 15 gals. water per acre with ground equipment or a minimum of 3 gals. water per acre with aircraft equipment. Repeat as necessary. Do not use seed from treated plants for food or feed	30 days of harvest of roots or tops for food/feed use

CHEMIGATION-POTATOES

SPRINKLER IRRIGATION APPLICATION TO POTATOES:

This product may only be applied through sprinkler irrigation systems including center pivot, lateral move, and tow, side (wheel) roll, travelers, big gun, solid set, or hand move. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

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Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Solid Set Systems: Apply specified dosage for the entire length of the irrigation period or for a 30 to 60 minute period at the end of a regular irrigation set or as a 30 to 60 minute injection as a separate application not associated with a regular irrigation. Allow time for all lines to flush the pesticide through all nozzles before turning off irrigation water. To ensure the lines are flushed and free of remaining pesticide, a dye indicator may be injected into the lines to mark the end of the application period. See NOTE.

Center Pivot Systems: Inject the specified dosage per acre continuously for one complete revolution of the system. SEE NOTE.

NOTE: Constant agitation must be maintained in the chemical supply tank during the entire period of insecticide application. Inject the product with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. Application of more than label recommended quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness.

POSTING

Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters 2 1/2 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words **KEEP OUT**, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word **STOP**. Below the symbol shall be the words **PESTICIDES IN IRRIGATION WATER**.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

STORAGE AND DISPOSAL

PROHIBITIONS

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

STORAGE

Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Not for use or storage in or around the home. Do not store next to feed or food, or transport in or on vehicles containing foodstuffs or feeds. Store in a cool, dry place. Protect from heat. For help with any spill, leak, fire or exposure involving this material, call day or night 1-800-892-0099, or Chemtrec 1-800-424-9300.

PESTICIDE DISPOSAL

This product is acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Do not reuse container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or dispose of by other procedures allowed by State and local authorities.

IMPORTANT INFORMATION. READ BEFORE USING PRODUCT.

LIMITED WARRANTY: 1. Valent U.S.A. Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. Valent does not make nor authorizes any agent or representative to make any other warranty, guarantee or representation, express or implied, concerning this product. Specifically, NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE.

2. Critical and unforeseeable factors beyond Valent's control prevent it from eliminating all risks in connection with the use of this product. Such risks include, but are not limited to, damage to plants and crops to which product is applied, lack of complete control over the handling and application of this product, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit under average conditions for the uses stated on the labeling and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by Valent under 1 above) resulting from handling, storage, and use of the product.

3. Precautions stated on the labeling should be followed to avoid hazardous exposure to the product.

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Manufactured for
Valent U.S.A. Corporation
Walnut Creek CA 94598-8025
Form R-228-H Made in U.S.A.
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