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Crops	Insects	Amount of Monitor 4 Spray per Acre	Further Use Directions	Days to Harvest
Broccoli Brussel Sprouts Cabbage (includes tight heading varieties of Chinese Cabbage) Cauliflower	Aphids Cabbage Looper Diamondback Moth Larvae Imported Cabbageworm	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 1½ 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.	Cabbage - 35 days before first harvest. Brussels Sprouts - 14 days before first harvest. Cauliflower - 28 days before first harvest. 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.
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 field 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.	For Whiteflies, a second application may be needed for heavy infestations. Do not feed gin trash to livestock or allow animals to graze on treated areas.	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	1.5 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.

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

ACCEPTED

OCT 07 1991

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 59639-56



2074

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.

MONITOR[®]

4 Spray

(INSECTICIDE)

Active Ingredient By Wt.
*Methamidophos 40.0%
Inert Ingredients 60.0%
*O,S-dimethyl phosphoramidothioate
Contains 4 pounds active per gallon at 68°F.
MONITOR[®] — Reg. TM of Chevron Chemical Company
for methamidophos insecticide.



KEEP OUT OF REACH OF CHILDREN

DANGER — PELIGRO

READ PRECAUTIONARY AND ANTIDOTE STATEMENTS ON SIDE PANEL

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

NET CONTENTS 30 GALLONS



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 1-800-457-2022. 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 bodies or wetlands (e.g., lakes, streams, ponds, canals).

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 the 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 (date of application). Do not enter treated area 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.)

DIRECTION

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.

USE DESIGNATED AMOUNT OF PRODUCT IN THE FOLLOWING GALLONS OF WATER PER ACRE UNLESS OTHERWISE NOTED:

GROUND APPLICATION—25 to 125 gals. water.

AIR APPLICATION—3 to 10 gals. water.

CABBAGE (includes Tight Heading Varieties of Chinese Cabbage (Do Not Use on Loose Heading Varieties of Chinese Cabbage such as Bok Choy), BROCCOLI-BRUSSELS SPROUTS, CAULIFLOWER: Cabbage Looper, Imported Cabbageworm, Diamondback Moth Larvae, Aphids: 1 to 2 pts. (0.5 to 1.0 lb. active) per acre. In IPM 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 to 2 pts. (0.75 to 1.0 lb. active) per acre. Do not apply to cabbage later than 35 days before the first harvest, to Brussels sprouts later than 14 days before the first harvest or to cauliflower later than 28 days before the first harvest. For broccoli, do not apply the 1 pt. (0.5 lb. active) rate later than 14 days before the first harvest; do not apply the higher rates later than 21 days before the 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. Do not apply within 21 days of harvest. Plants should be field trimmed (tops removed) before shipping or use. Celery trimmings cannot be fed to livestock and treated celery cannot be dried for celery flakes.

COTTON: Cabbage Looper, Beet Armyworm, Lygus Bugs (California and Arizona Only), Aphids, Thrips, Stink—1 to 2 pts. (0.5 to 1.0 lb. active) per acre. When flies—1/2 to 1 pt. (0.25 to 0.5 lb. active) per acre. Apply as needed up to 50 days before harvest and before the bloom stage. For whiteflies, a second application may be needed for heavy infestations. Do not feed gin trash to livestock or allow animals to graze on treated areas.

POTATOES: Aphids, Beet Leafhoppers, Cabbage Looper, Colorado Potato Beetle (Except Long Island, New York), Flea Beetles, Potato Leafhopper—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. Do not apply later than 14 days before harvest.

CHEMIGATION-POTATOES

SPRINKLER IRRIGATION APPLICATION TO POTATOES:

This product may only be applied through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, travelers, big gun, 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 safe 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 the necessary adjustments should a 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 flow of fluid back toward the injection pump.

DIRECTIONS (continued)

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 pesticides are adversely affected.

Systems must use a positive displacement 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 1/4 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**.

SUGAR BEETS (Arizona and California): Green French 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-MONITOR 4 Spray per crop season. Do not apply within 30 days of harvest.

SUGAR BEETS (Seed Crop Only—California and Arizona Only): Aphids, Beetles—Apply 1 to 2 pts. per acre. Use a minimum of 15 gals. water per acre with ground equipment or a minimum of 3 gals. water per acre with aerial equipment. Repeat as necessary. Do not apply within 30 days of harvest of roots or tops for food/feed use. Do not use seed from treated plants for food or feed.

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 food or feed, 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 1-800-457-7222.

PESTICIDE DISPOSAL

This product is acutely hazardous. Improper disposal of excess pesticide, spray mixture or residue 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 for use 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.

Manufactured for
Valent U.S.A. Corporation © 1991
Walnut Creek CA 94596-8025
Made in U.S.A.
Form 110-G EPA Est. 3125-MO-1
EPA Reg. No. 59639-56-AA

