

264-729

08/03/2007

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:

264-729

Date of Issuance:

AUG 3 2007

NOTICE OF PESTICIDE:

Registration
[X] Reregistration
(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:

Monitor 4 Liquid Insecticide

Name and Address of Registrant (include ZIP Code):

Sherry Movassaghi
Bayer CropScience LP
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, NC 27709

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

Based on your response to the Reregistration Eligibility Decision, EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.

Generic data requirements that have been identified in the RED as confirmatory data for the active ingredient contained in the subject product will continue to be tracked and assessed in the Agency's continual reassessment of pesticides.

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) is acceptable with the following provisions:

- 1. As per the Methamidophos RED and part of the risk mitigation, all cotton uses must be deleted from the label by September 30, 2009. Please refer to the Federal Register Notice of October 11, 2002, Vol. 67 for further specifics.

Products shipped after 12 months from the date of this Notice or the next printing of your label, which ever occurs first, must bear the new revised label. You must submit one (1) copy of the final printed label before you release the product for shipment.

Continued on Page 2

Signature of Approving Official:

[Handwritten signature]
Meredith F. Laws, Branch Chief
Insecticide-Rodenticide Branch, Registration Division (7505P)

Date:

[Handwritten date: August 3, 2007]

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Notice of Reregistration (continued)
EPA Reg. No. 264-729

Regarding Special Local Need registrations AR-810044, AR-870007, CA-790188, MS-810014 and MS-810055, an expiration date of September 30, 2009 must be added to each label.

Please forward a copy of the revised SLN labeling to the appropriate State official(s) for their comment/approval. Any additional State-stipulated wording or limitations, including reference to applicable State Rules or Regulations or updates to them, must appear on the labeling. Please notify the Agency by e-mail to Mautz.Marilyn@epa.gov when you actually do forward the revised SLN label(s) to the State(s). When submitting each label to the State, please request the State to forward a copy of the revised SLN label (including their additions, if any) to the Agency for official confirmation of their receipt and approval since Agency approval of the State's notification is required to finalize the action.

Regarding the remainder of the Special Local Need registrations associated with this parent product registration (AR-970004, CA-780163, CA-980013, DE-910002, FL-800046, FL-900003, GA-900001, IN-790001, MD-910009, NC-890007, NJ-960010, OH-790008, SC-780007, TX-910016 and VA-910005), the Agency has no adverse comments regarding the revised labeling submitted in connection with registration under FIFRA section 24(c) and in response to the RED.

If you have any questions or comments regarding this letter, please contact Kable Bo Davis at (703) 306-0415 or via e-mail at Davis.Kable@epa.gov.

Meredith F. Laws
Branch Chief
Insecticide-Rodenticide Branch
Registration Division (7505P)

Enclosure

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This product is produced and sold for use only for the purposes stated on the label. For retail sale and use only by Certified Applicators or persons trained in their use of pesticides. All other uses are prohibited by the Federal Insecticide, Fungicide, and Rodenticide Act.

Monitor[®] 4 Liquid Insecticide

For effective insect control on cotton and potatoes.

This product must be sold/distributed and used in a dry-coupling mixing / loading system.

ACTIVE INGREDIENT:

Methamidophos, O,S-Dimethyl phosphoramidothioate 40%

INERT INGREDIENTS: 60%

Contains: 4 lb O,S-Dimethyl phosphoramidothioate per gallon. 100%

Store in cool dry place but not below 15° F. Protect from heat.

EPA Reg. No. 264-729



STOP – Read the label before use
KEEP OUT OF REACH OF CHILDREN
DANGER POISON
PELIGRO



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577
For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)

FIRST AID

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. • 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.
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 SWALLOWED:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Have person sip a glass of water if able to swallow. • Do not give anything by mouth to an unconscious person.

For **MEDICAL** Emergencies Call 24 Hours A Day 1-800-334-7577.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

ACCEPTED
with COMMENTS
In EPA Letter Dated:

AUG 3 2007

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

264-729

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Do not inhale. Do not get on skin. Do not take internally.

Fatal if swallowed. Fatal if inhaled. May be fatal if absorbed through skin. Causes irreversible eye damage. Do not breathe vapor or spray mist. Do not get in eyes, on skin or on clothing.

Note To Physician: MONITOR is an organophosphate insecticide which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to excess stimulation of the cholinergic and nicotinic nervous systems. These effects of overexposure are reversible with appropriate intervention. **Atropine**, only by injection, is the initial antidote and should be used in symptomatic patients immediately after establishing an open airway and respiration. For adults, begin with 1-5 mg IV; for children, give 0.02 mg/kg IV (but not less than 0.2 mg). Repeat this dose every 5-10 minutes until satisfactory atropinization is achieved. The goal of therapy is drying of bronchial secretions, and the reversal of wheezing and significant bradycardia. Break-through symptoms may occur, and in severe poisoning, several grams of atropine may be required. Pralidoxime (2-PAM/Protopam[®]), should be used in conjunction with atropine if the patient is seen within 12 to 24 hours of exposure.

If exposed, plasma and RBC cholinesterase testing may indicate significance of exposure (baseline data useful).

Consultation on therapy may be obtained at all hours by calling the Bayer CropScience emergency number 1-800-334-7577. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Personal Protective Equipment: Some materials that are chemical-resistant to this product are butyl rubber, nitril rubber and neoprene rubber. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators, and flaggers using engineering controls must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

In addition, mixers and loaders must wear chemical-resistant gloves and a chemical resistant apron.

See engineering controls for additional requirements.

Handlers engaged in those activities for which use of an engineering control is not possible, such as cleaning up a spill or leak and cleaning or repairing contaminated equipment, must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure
- Protective eyewear

In addition, handlers exposed to the concentrate must wear:

- Chemical-resistant apron
- A respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.

User Safety Requirements: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Engineering controls statements: Mixers and loaders must use a closed system that provides dermal and inhalation protection and must use and maintain this system in a manner that meets the requirements specified in the Worker Protection Standard for Agricultural Pesticides [40 CFR 170.240(d)(4)]. The system must be capable of removing the pesticide from the shipping container and transferring it into mixing tanks and/or application equipment. At any disconnect point, the system must be equipped with a dry disconnect or dry couple shut-off device that is warranted by the manufacturer to minimize drippage to not more than 2 mL per disconnect point. Mixers and loaders must also:

- Wear the personal protective equipment required above for mixers/loaders using engineering controls,
- Wear protective eyewear if the system operates under pressure, and
- Be provided, have immediately available and must use in an emergency, such as a broken package, spill, or equipment breakdown the PPE specified above for handlers engaged in those activities for which use of an engineering control is not possible.

Applicators using motorized ground equipment and flaggers supporting aerial applications must use an enclosed cab that meets the definition in the Worker Protection Standard for Agricultural Pesticide [40 CFR 170.240(d)(5)] for dermal protection. In addition, such applicators and flaggers must:

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- Wear the personal protective equipment required above for applicators using engineering controls,
- Be provided, have immediately available and must use in an emergency when they must exit the cab in the PPE specified above for handlers engaged in those activities for which use of an engineering control is not possible.
- Take off any extra PPE that was put on and worn in the treated area before reentering the cab, and
- Store all such PPE in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

Pilots must use an enclosed cockpit in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticide [40 CFR 170.240(d)(6)].

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to birds, mammals, and aquatic 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. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

This product may contaminate water through drift of spray in wind. This product has a high potential for runoff. Poorly draining soils and soils with shallow watertables are more prone to produce runoff that contains this product

This pesticide is toxic to bees. Application should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Application of methamidophos products after application of acephate may result in illegal residues.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI). REI for cotton is 48 hours, except for areas where average rainfall is less than 25 inches a year, for which REI will be 72 hours. The REI for potatoes is 4 days.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves, made of any waterproof material
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

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STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer CropScience Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer CropScience Emergency Response Telephone No. is 1-800-334-7577.

Pesticide Disposal: Pesticide wastes are 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: Non-refillable Metal - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. **Non-refillable 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. **Returnable Refillable Sealed Container:** Do not rinse container. Do not break seals. Replace the dust cover cap and return container intact to point of purchase.

Use the designated amount of product in the following gallons of water per acre unless otherwise noted:

Ground Application: 25 to 125 gallons of water

Air Application: 3 or more gallons of water

Chemigation: 1/8 to 1/4 inch of water

Not for use or storage in or around the home.

USE IN CHEMIGATION SYSTEMS

Types of Irrigation Systems

Apply MONITOR 4 only through sprinkler, including center pivot, lateral move, side roll, overhead solid set, or low pressure sprinkler irrigation systems. Do not apply MONITOR 4 through any other type of irrigation system.

GENERAL DIRECTIONS FOR ALL RECOMMENDED TYPES OF IRRIGATION SYSTEMS

Uniform Water Distribution and System Calibration: The irrigation system must provide uniform distribution of treated water. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

The system must be calibrated to uniformly apply the rates specified for chemigation application for specific crops. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Chemigation Monitoring: A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Drift: Do not apply when wind speed or conditions for a thermal inversion favors drift beyond the area intended for treatment.

Required System Safety Devices: 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.

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.

Using Water from Public Water Systems: DO NOT APPLY MONITOR 4 THROUGH ANY IRRIGATION SYSTEM PHYSICALLY CONNECTED TO A PUBLIC WATER SYSTEM. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

MONITOR 4 may be applied through any of the recommended types of irrigation systems which may be **supplied** by a public water system **only if** the water from the public water system is discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. Before beginning chemigation, always make sure that the air gap exists and that there is no blockage of the overflow of the reservoir tank.

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Any irrigation system using water supplied from a public water system must also meet the following requirements.

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 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 or in cases where there is no water pump, when the water pressure decreases to the point where the pesticide distribution is adversely affected.

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.

Posting Requirements: This sign is in addition to any sign posted to comply with the Worker Protection Standard. 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 at least 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. Posting required for chemigation does not replace other posting and reentry interval requirements for farmworker safety.

Agitation: For application of MONITOR 4 alone, a chemical supply tank is not necessary for premixing since MONITOR 4 mixes well with water in the irrigation line. If a chemical supply tank is used for application of MONITOR 4, constant strong mechanical or hydraulic agitation must be maintained in the chemical supply tank the entire period of application.

Chemical Supply Tank Dilution: If a chemical supply tank is used, you must determine the required amounts of MONITOR 4 and water to mix in the tank.

The amount of MONITOR 4 needed equals the number of pints of MONITOR 4 to be applied per acre multiplied by the number of acres to be chemigated.

The amount of emulsion needed equals the gallons of emulsion delivered per hour by the injection pump multiplied by the number of hours chemigation will take place.

The amount of water needed equals the amount of solution needed minus the amount of MONITOR 4 needed.

For example, if you want to apply 2 pints of MONITOR 4 per acre to 130 acres in 20 hours and your injection pump delivers 15 gallons per hour, you need: 2 pints of MONITOR 4 per acre X 130 acres = 260 pints or 32.5 gallons of MONITOR 4. And, you need: 15 gallons per hour X 20 hours - 300 gallons of emulsion, minus 32.5 gallons of MONITOR 4 = 267.5 gallons of water.

Cleaning the Chemical Injection System: In order to accurately apply pesticides, the chemical injection system must be kept clean; free of chemical or fertilizer residues and sediments. Refer to your owners manual or ask your equipment supplier for the cleaning procedure for your injection system.

Flushing the Irrigation System: At the end of the application period, allow time for all lines to flush the pesticide through all nozzles or emitters before turning off irrigation water. To ensure the lines are flushed and free of pesticides, a dye indicator may be injected into the lines to mark the end of the application period.

SPRINKLER IRRIGATION SYSTEMS

All directions and requirements listed under the GENERAL DIRECTIONS AND REQUIREMENTS FOR ALL RECOMMENDED TYPES OF IRRIGATION SYSTEMS section of this label must be followed for sprinkler irrigation systems.

In addition, the following directions apply to sprinkler irrigation systems.

Do not apply when wind speed favors drift beyond the area intended for treatment.

It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, pumps and system safety devices be plugged to prevent chemical contamination of these areas.

Center-Pivot and Automatic-Move Linear Systems:

Inject the specified dosage per acre continuously for at least one complete revolution of the system. DO NOT USE END GUNS. The system should be run at maximum speed.

Solid Set and Manually Controlled Linear Systems: Injection should be during the last 30 to 60 minutes of a regular irrigation period or as a separate 30 to 60 minute application not associated with a regular irrigation. DO NOT USE END GUNS.

Spray Drift Management

A variety of factors including weather conditions, (e.g., wind directions, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product. Do not apply under conditions where possible drift to unprotected persons or to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption can occur.

Use the largest droplet size consistent with acceptable efficacy. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure.

For aerial applications, the boom width must not exceed 75% of the wingspan or 90% of the rotary blade. Use upwinds swath displacement and apply only when wind speed is 3-10 mph at the application site as measured by an anemometer. Use medium or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles. If application includes a no-spray zone, do not spray at a height greater than 10 feet above the ground or the crop canopy.

For aerial applications, spray should be released at the lowest height consistent with efficacy and flight safety.

Make aerial or ground applications when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply at wind speeds greater than 10 mph at the application site.

Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperature.

For overhead chemigation, apply only when wind speed is 10 mph or less.

Do not apply within 150 feet by air or 100 feet by ground of an unprotected person(s) or occupied dwelling.

For ground boom applications, apply with nozzle height no more than four feet above the ground or crop canopy and when wind speed is 10 mph or less at the application site as measured by an anemometer. Use medium or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles.

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

RECOMMENDED APPLICATIONS		
CROP	INSECT	DOSAGE - Pints MONITOR 4
Cotton	Aphids (Early season)	1/5 to 2/5
	Thrips (Early season)	
	Fleahoppers	2/5
	Whiteflies (except Sweet potato whitefly)	1/2 to 1
	Western flower thrips	3/5 to 2
	Beet armyworms	1 to 2
	Cabbage looper	
	Lygus	
	Mites	
	Aphids (Mid to late season)	
	Thrips (Mid to late season)	
Stink bugs		

Apply specified dosage per acre as needed up to 50 days before harvest and before bolls open. A second application may be needed for heavy infestations of whiteflies, fleahoppers and when low rates are used for aphids and thrips.

For application by irrigation systems: Apply specified dosage per acre. Follow all directions given under the CHEMIGATION section of this label.

Maximum number of application per season: 2

REI is 48 hours, except for areas where average rainfall is less than 25 inches a year, for which REI will be 72 hours.

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RECOMMENDED APPLICATIONS		
CROP	INSECT	DOSAGE - Pints MONITOR 4
Potatoes	Aphids (Except melon aphid) Armyworms (Except California) Cabbage looper Colorado potato beetle (except New York) Cutworms (Foliage feeding) (Except California) European corn borer (Except California) Flea beetles Lygus bug (Except California) Potato leafhopper Potato psyllid Potato tuberworm	1-1/2 to 2
<p>Apply specified dosage (0.75 to 1.0 pound active) per acre. Maximum application of 8 pints per acre per season. Apply in a 7- to 10-day preventive program or as necessary. Do not apply later than 14 days before harvest.</p> <p>REI = 4 days.</p> <p>For application by irrigation systems: Apply specified dosage per acre. Follow all directions given under the CHEMIGATION section of this label.</p> <p>Resistance to Colorado potato beetle has occurred in some areas of New York. Consult your local extension service for details.</p>		

To address Integrated Pest Management Issues: Local integrated management systems are available for controlling the pests on this label. Such systems include the use of biological control agents, alternative chemicals and scouting. Consult your local Extension specialist or other consultant for further details.

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IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. All such risks shall be assumed by the user or buyer.

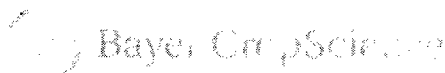
DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

NET CONTENTS:

MONITOR is a registered trademark of Bayer.

PRODUCED FOR



Bayer CropScience LP
P.O. Box 12014, 2 T.W. Alexander Drive
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