


264-725

05/09/2007

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 <p style="text-align: center;"><b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b>  <b>Office of Pesticide Programs</b>  <b>Registration Division (7505P)</b>  <b>Ariel Rios Building</b>  <b>1200 Pennsylvania Ave., NW</b>  <b>Washington, D.C. 20460</b></p>	EPA Reg. Number: <p style="text-align: center;">264-725</p>	Date of Issuance: <p style="text-align: center;">MAY - 9 2007</p>
	Term of Issuance: <b>Unconditional</b>	
	Name of Pesticide Product: <p style="text-align: center;"><b>DI-SYSTON Technical</b></p>	
<p style="text-align: center;"><b>NOTICE OF PESTICIDE:</b>          _ Registration  <input checked="" type="checkbox"/> Reregistration          (under FIFRA, as amended)</p>		
Name and Address of Registrant (include ZIP Code):  <b>Bayer Crop Science</b> <b>2 T.W. Alexander Drive</b> <b>Research Triangle Park, NC 27709</b>		
<p><b>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.</b></p>		
<p>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.</p> <p style="text-align: center;">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.</p> <p style="text-align: center;">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.</p> <p style="text-align: center;">The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided you make the following changes:</p> <ol style="list-style-type: none"> <li>1. On the front panel, delete "For use only by Approved Formulators".</li> <li>2. Add the following directly after the heading Note to Physician: "This product is extremely toxic by all routes of exposure (oral, dermal, inhalation, eye irritation, and skin irritation)". At the end of the paragraph beginning "Compound inhibits cholinesterase..." add: "Probable mucosal damage may contraindicate the use of gastric lavage."</li> </ol>		
Signature of Approving Official:		Date: <p style="text-align: center;">MAY - 9 2007</p>

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3. Replace the Hazards to Humans and Domestic Animals text with the following:

Fatal if swallowed, inhaled, or absorbed through skin. Corrosive. Causes irreversible eye damage. Causes skin burns. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Wear a pesticide respirator with 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. Wear clean, heavy chemical-resistant (natural rubber) gloves and clean waterproof protective clothing (coveralls, socks, chemical-resistant footwear (rubber boots), cap, and eyewear). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse. Destroy and replace gloves frequently. Bathe immediately after work and change all clothing.

3. In the listing of Terrestrial, non-domestic, food uses, delete "potato" since the phase out date has passed. Delete "Frasier Fir Trees (Christmas trees)" from this food crop listing.
4. Add a use heading as follows (deleting the limitation "Frasier"):
  - (2) Terrestrial, non-domestic, non-food uses on; Fir Trees (Christmas trees)
5. Add a number before the Domestic outdoor uses heading so that it appears:
  - (3) Domestic outdoor uses on; consumer roses and flowers
6. Changes the numbers on the remaining headings from "(2)" and "(3)" to "(4)" and "(5)".
7. Add "To the extent consistent with applicable law" to the beginning of the disclaimer statement. "Bayer CropScience disclaims all liability...etc."

A stamped copy of the label is enclosed for your records.

You may distribute products bearing old labels/labeling for 12 months from receipt of this letter or until your next printing of the label, which ever occurs first.

If you have any questions or comments regarding this letter, please contact George LaRocca at (703) 305-6100 or via e-mail at [larocca.george@epa.gov](mailto:larocca.george@epa.gov).

Enclosure

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# Di-Syston<sup>®</sup> Technical Insecticide

An insecticide for formulating use.

For use only by approved formulators.

**ACTIVE INGREDIENT:**

Disulfoton, O,O-Diethyl S-[2-(ethylthio)ethyl]phosphorodithioate ..... 97.62%

**INERT INGREDIENTS:**..... 2.38%

100.0%

Atropine sulfate is antidotal. Consult physician for emergency supply.

EPA Reg. No. 264-725

EPA Est. No.



**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

Contains an organophosphate that inhibits cholinesterase.

<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

**Note To Physician:** ANTIDOTE - Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine.

Compound inhibits cholinesterase resulting in stimulation of the central nervous system, the parasympathetic nervous system, and the somatic motor nerves. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

**Symptoms of Poisoning:** A sense of "tightness" in the chest. Sweating. Contracted pupils. Stomach pains. Vomiting and diarrhea.

**ACCEPTED**  
with **COMMENTS**  
In EPA Letter Dated:  
MAY - 9 2007

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
264-725

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### DANGER

Fatal if swallowed, absorbed through the skin, or inhaled. Do not breathe vapor or spray mist. Do not get in eyes, on skin or on clothing. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part II. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse. Wear clean, heavy, natural rubber gloves and clean, waterproof, protective clothing (coveralls, rubber boots, cap, etc). Destroy and replace gloves frequently. Bathe immediately after work and change all clothing.

**HANDLING OF CONTAMINATED ARTICLES:** Clothing and rags receiving undiluted DI-SYSTON Technical as a result of leaks, spills, or mishaps should be removed immediately and not reused. These contaminated articles should be disposed of in the same manner as the empty container; see Container Disposal section for directions. (Contaminated articles which should be discarded would include: hats, gloves, aprons, coats, boots, etc. not made of rubber or coated with rubber or other similar material.) Protective clothing and equipment should be washed down with detergent or soap and bleach in water. Wash water from the cleaning of protective clothing or equipment should not be allowed to runoff or otherwise enter water supplies.

#### ENVIRONMENTAL HAZARDS

This chemical is extremely toxic to birds, mammals, fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

This container is dangerous if evidence of leakage is present.

Read Precautionary and Storage and Disposal Statements and handle with extreme care, observing all precautions recommended.

### DIRECTIONS FOR USE

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

Only for formulation into an insecticide/miticide, for the following uses:

(1) Terrestrial, non-domestic, food uses on: Asparagus, beans (snap, lima), broccoli, Brussels sprouts, cabbage, cauliflower, radish grown for seed, coffee, cotton, lettuce, peppers, potato. Frasier Fir Trees (Christmas trees).

Domestic outdoor uses on: consumer roses and flowers.

(2) uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and

(3) uses for experimental purposes that are in compliance with USEPA requirements.

This product may be used to formulate products for specific use (s) not listed on MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding support of such use (s).

**BAYER CROPSCIENCE DISCLAIMS ALL LIABILITY BASED ON BREACH OF WARRANTY, NEGLIGENCE, STRICT TORT LIABILITY, OR ANY OTHER THEORY OF LIABILITY FOR CROP DAMAGE OR FAILED EFFICACY RESULTING FROM THE USE OF THIS BAYER CROPSCIENCE PRODUCT AS AN INGREDIENT IN ANY FORMULATION WITH A USE NOT SPECIFICALLY LISTED ON THIS LABEL.**

Detailed formulating recommendations for DI-SYSTON Technical Insecticide are contained in a manual available on request from Bayer CropScience. Obtain and read this manual before undertaking the formulation of DI-SYSTON Technical to gain knowledge of physical and chemical properties, to avoid formulation hazards, and to assure a satisfactory finished product. This technical is recommended for impregnation of inert granules, dry fertilizer, etc. For specific information on federally registered uses for DI-SYSTON insecticide, contact Bayer CropScience. Any variance from the federally registered labeling for products containing DI-SYSTON will have to be supported by data provided by the formulator.

#### DRUM HANDLING

1. Handle drums carefully so as to avoid damage and prevent leakage.
2. Store drums in a cool, well-ventilated place.
3. Open drums only when set on end and under a ventilated hood. Unscrew bungs slowly to release any internal pressure. Then fit both bungs with valves.
4. To empty drums, connect one valve to an open vent pipe and the other to a closed storage or impregnation system.
5. Drums that have contained DI-SYSTON Technical are either disposable or reusable drums. Refer to STORAGE AND DISPOSAL STATEMENTS on this label.

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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. Wash area with strong lye solution. 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, 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:** Drums that have contained DI-SYSTON Technical are either disposable or reusable drums. **Disposable Drums:** Drums that have contained DI-SYSTON should NEVER be reused. Empty drums should be decontaminated by washing with hot, 5% caustic soda solution. They should then be perforated to prevent further use and disposed of in a sanitary landfill, or by other procedures approved by state and local authorities. **Reusable Drums:** Do not rinse drums. Do not break seals. Replace the dust cover cap and return drums intact to point of purchase.

## NET CONTENTS:



Bayer CropScience

Bayer CropScience LP  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709  
1-866-99BAYER (1-866-992-2937)

Di-Syston Technical (PENDING) Submitted 09/15/04.