

PH 25 241-344

yellow spray

10/17

<p>U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (771-567) WASHINGTON, D.C. 20460</p>	<p>EPA REGISTRATION NO. 241-344</p>	<p>DATE OF ISSUANCE DEC 16 1992</p>
<p>NOTICE OF PESTICIDE: <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</p>	<p>NAME OF PESTICIDE PRODUCT ARSENAL/DIURON GRANULE</p>	
<p>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</p> <p>American Cyanamid Co. P.O. Box 400 Princeton, NJ 08543</p>		
<p>NOTE: Changes in labeling formula 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 U.S. EPA registration number.</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.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this 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>This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> <li>1. Submit/cite all data required for registration/reregistration of your product under FIFRA Section 3(c)(5) or 4(a) when the Agency requires all registrants of similar products to submit such data.</li> <li>2. That our Precautionary Labeling reviewers accept your arguments stated in your letter dated July 27, 1992 and upgrade your inhalation study to an acceptable status. If our reviewers do not accept your arguments, and/or your inhalation study can not be upgraded to acceptable, you will submit to the Agency a new inhalation study within 6 months from the date of this Registration Notice.</li> <li>3. Make the labeling changes listed below before you you release the product for shipment:             <ol style="list-style-type: none"> <li>a. Add the phrase "EPA Registration No. 241-344".</li> </ol> </li> <li>4. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.</li> </ol> <p><input type="checkbox"/> ATTACHMENT IS APPLICABLE</p>		
<p>SIGNATURE OF APPROVING OFFICIAL</p>	<p>DATE DEC 16 1992</p>	

If these conditions are not complied with, this registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Sincerely yours,

Robert J. Taylor  
Product Manager (25)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

Enclosure

RD:RTaylor:eja:12/02/92:3056800

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**ARSENAL®/Diuron**  
**Granule**

**Herbicide For Use In Noncrop Areas**

**ACTIVE INGREDIENTS**

Imazapyr (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-  
5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid)..... 0.5%  
Diuron (3-[3,4-dichlorophenyl]-1,1-dimethylurea)..... 2.0%

**INERT INGREDIENTS**..... 97.5%

**TOTAL**.....100.0%

EPA Reg. No. 241-

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION!/ PRECAUCION!**

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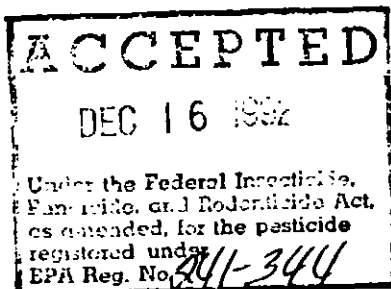
**PRECAUCION AL USUARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta la haya sido explicada ampliamente.

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In case of an emergency endangering life or property involving  
this product, call collect, day or night, Area Code 201-835-3100

**See Next Page for Additional Precautionary Statements**

**Net Contents:**



**AMERICAN CYANAMID COMPANY**  
**AGRICULTURAL DIVISION**  
**VEGETATION AND PEST CONTROL**  
**WAYNE, NEW JERSEY 07470 ©1992**

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
CAUTION!**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

**FIRST AID**

**IF IN EYES:** Flush eyes with plenty of water. Call a physician if irritation persists.

**IF ON SKIN:** Wash with plenty of soap and water.

**PHYSICAL AND CHEMICAL HAZARDS**

ARSENAL/Diuron Granule should be stored only in lined paper bags, stainless steel, fiberglass, plastic and plastic-lined steel containers.

DO NOT store ARSENAL/Diuron Granule in unlined steel (except stainless steel) containers.

Keep dry.

**ENVIRONMENTAL HAZARDS**

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 when disposing of equipment washwaters.

**IMPORTANT**

DO NOT use on food or feed crops. DO NOT treat irrigation ditches, or water used for crop irrigation or for domestic uses. DO NOT apply where runoff or irrigation water may flow onto agricultural land as injury to crops may result. Keep from contact with fertilizers, insecticides, fungicides and seeds. DO NOT apply or rinse equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. DO NOT use on lawns, walks, driveways, tennis courts, or similar areas. DO NOT use in California.

**GENERAL INFORMATION**

ARSENAL/Diuron Granule is recommended for control of many annual and perennial grasses and broadleaf weeds on noncropland areas such as railroad, utility, pipeline and highway rights-of-way, petroleum tank farms, pumping installations, fence rows, storage areas, and other similar areas. ARSENAL/Diuron Granule may be applied at any time throughout the year; however, for maximum effectiveness, the product should be applied prior to weed emergence or when weeds are small. In addition, ARSENAL/Diuron Granule should be applied prior to expected rainfall. The degree and duration of control of Kochia and other weed species will depend upon the amount of product applied, the amount of rainfall, soil texture, and other environmental and biological factors.

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## DISCLAIMER

The label instructions for the use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the use or application of the product contrary to label instructions, all of which are beyond the control of American Cyanamid Company. All such risks shall be assumed by the user.

American Cyanamid Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions of use, subject to the risks referred to above.

Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values of any other special or indirect damages.

American Cyanamid Company makes no other express or implied warranty, including other express or implied warranty of FITNESS or of MERCHANTABILITY.

## DIRECTIONS FOR USE

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

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## STORAGE AND DISPOSAL

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|---------------------|--|
| PROHIBITIONS:       | DO NOT contaminate water, food or feed by storage or disposal.   |
| PESTICIDE DISPOSAL: | Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.  |
| CONTAINER DISPOSAL: | Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. |
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## APPLICATION INSTRUCTIONS

Uniformly apply ARSENAL/Diuron Granule with properly calibrated ground equipment, including hand-held spreaders, at a rate of 200 to 300 lbs. product per acre (0.5-0.7 lb./100 sq. ft.).

A preemergent/early postemergent application of ARSENAL/Diuron Granule will control many weed species, including the following:

### GRASSES

Annual bluegrass (Poa annua)  
Bahia grass (Paspalum notatum)  
Beardgrass (Andropogon spp.)  
Bermudagrass (Cynodon dactylon)  
Big bluestem (Andropogon gerardii)  
Broadleaf signalgrass (Brachiaria platyphylla)  
Browntop millet (Brachiaria ramosa)  
Canada bluegrass (Poa compressa)  
Cattail (Typha spp.)  
Centipedegrass (Eremochloa ophiuroides)  
Cheat (Bromus secalinus)  
Crabgrass (Digitaria spp.)  
Dallisgrass (Paspalum dilatatum)  
Downy brome (Bromus tectorum)  
Fall panicum (Panicum dichotomiflorum)  
Fescue (Festuca spp.)  
Foxtail (Setaria spp.)  
Goosegrass (Eleusine indica)  
Guineagrass (Panicum maximum)  
Italian ryegrass (Lolium multiflorum)  
Johnsongrass (Sorghum halepense)  
Kentucky bluegrass (Poa pratensis)  
Lovegrass (Eragrostis spp.)  
Orchardgrass (Dactylis glomerata)  
Paragrass (Brachiaria mutica)  
Prairie cordgrass (Spartina pectinata)  
Prairie threeawn (Aristida oligantha)  
Quackgrass (Agropyron repens)  
Sandbur (Cenchrus spp.)  
Sand dropseed (Sporobolus cryptandrus)  
Smooth brome (Bromus inermis)  
Timothy (Phleum pratense)  
Torpedograss (Panicum repens)  
Vaseygrass (Paspalum urvillei)  
Wild barley (Hordeum spp.)  
Wild iris (Iris versicolor)  
Wild oats (Avena fatua)  
Wirestem muhly (Muhlenbergia frondosa)  
Witchgrass (Panicum capillare)

### BROADLEAF WEEDS

Bigleaf aster (Aster macrophyllus)  
Blue mustard (Chorispora tenella)  
Bull thistle (Cirsium vulgare)  
Burdock (Arctium spp.)

Buttercup (Ranunculus testiculatus)  
 Camphorweed (Heterotheca subaxillaris)  
 Canada thistle (Cirsium arvense)  
 Carpetweed (Mollugo verticillata)  
 Carolina geranium (Geranium carolinianum)  
 Clover (Trifolium spp.)  
 Cocklebur (Xanthium strumarium)  
 Common chickweed (Stellaria media)  
 Common ragweed (Ambrosia artemisiifolia)  
 Dandelion (Taraxacum officinale)  
 Dock (Rumex spp.)  
 Dogfennel (Eupatorium capillifolium)  
 Eclipta (Eclipta prostrata)  
 Filaree (Erodium spp.)  
 Fleabane (Erigeron spp.)  
 Florida beggarweed (Desmodium tortuosum)  
 Florida pusley (Richardia scabra)  
 Giant ragweed (Ambrosia trifida)  
 Hoary vervain (Verbena stricta)  
 Horsecweed (Conyza canadensis)  
 Indian mustard (Brassica juncea)  
 Kochia (Kochia scoparia)  
 Lambsquarters (Chenopodium album)  
 Lespedeza (Lespedeza spp.)  
 Little mallow (Malva parviflora)  
 Milkweed (Asclepias spp.)  
 Miners lettuce (Montia perfoliata)  
 Mullein (Verbascum spp.)  
 Nettleleaf goosefoot (Chenopodium murale)  
 Oxeye daisy (Chrysanthemum leucanthemum)  
 Pepperweed (Lepidium spp.)  
 Pigweed (Amaranthus spp.)  
 Plantain (Plantago spp.)  
 Poison hemlock (Conium maculatum)  
 Pokeweed (Phytolacca americana)  
 Primrose (Oenothera kunthiana)  
 Prostrate knotweed (Polygonum aviculare)  
 Purslane (Portulaca spp.)  
 Silverleaf nightshade (Solanum elaeagnifolium)  
 Smartweed (Polygonum spp.)  
 Sorrel (Rumex spp.)  
 Sowthistle (Sonchus spp.)  
 Sunflower (Helianthus spp.)  
 Sweet clover (Melilotus spp.)  
 Tansymustard (Descurainia pinnata)  
 Texas thistle (Cirsium texanum)  
 Western ragweed (Ambrosia psilostachya)  
 White heath aster (Aster pilosus)  
 Wild carrot (Daucus carota)  
 Wild lettuce (Lactuca spp.)  
 Wild parsnip (Pastinaca sativa)  
 Wild turnip (Brassica campestris)  
 Woollyleaf bursage (Ambrosia grayii)  
 Yellow starthistle (Centaurea solstitialis)  
 Yellow woodsorrel (Oxalis stricta)