

**ARSENAL®
herbicide**

0.5 Granule

For Use In Noncrop Areas

ACTIVE INGREDIENT:

Imazapyr (2-4,5-dihydro-4-methyl-4-(1-methylethyl)-
5-oxo-1H-imidazol-2-yl-3-pyridinecarboxylic acid)..... 0.5%

INERT INGREDIENTS..... 99.5%

TOTAL.....100.0%

EPA Reg. No. 241-295

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

CAUTION! / PRECAUCION!

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

FIRST AID

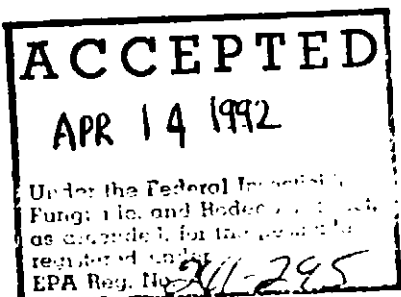
IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

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

See Other Pages 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!

Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

PHYSICAL AND CHEMICAL HAZARDS

ARSENAL 0.5 Granule should be mixed and stored only in lined paper bags, stainless steel, fiberglass, plastic and plastic-lined steel containers.

DO NOT mix or store ARSENAL 0.5 Granule in unlined steel (except stainless steel) containers.

ENVIRONMENTAL HAZARDS

DO NOT apply directly to water, 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 drain or flush 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 0.5 Granule is applied for control of most annual and perennial grasses and broadleaf weeds.

ARSENAL 0.5 Granule is readily absorbed through the roots and is translocated rapidly throughout the plant, with accumulation in the meristematic regions. Treated plants stop growing soon after application. Chlorosis appears first in the newest leaves, and necrosis spreads from this point. In perennials, the herbicide is translocated into and kills underground storage organs, thus preventing regrowth. Chlorosis and tissue necrosis may not be apparent in some plant species until two weeks after application. Complete kill of plants may not occur for several weeks.

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 reasonable 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.

A preemergence application of ARSENAL 0.5 Granule is recommended for control of most 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 0.5 Granule may be applied anytime during the growing season before weeds have emerged.

STORAGE AND DISPOSAL

- 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 0.5 Granule with properly calibrated aerial or ground equipment at a rate of 200 to 300 lbs/A (1.0 to 1.5 lbs. A.E. of product per acre).

A preemergent application of ARSENAL 0.5 Granule will provide residual control of the following target vegetation species.

GRASSES

Annual bluegrass (Poa annua)
Bahia grass (Paspalum notatum)
Beardgrass (Andropogon spp.)
Bermudagrass (Cynodon dactylon)
Big bluestem (Andropogon gerardi)
Broadleaf signalgrass (Brachiaria platphylla)
Canada bluegrass (Poa compressa)
Cattail (Typha spp.)
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 (Cactylis glomerata)
Paragrass (Brachiaria mutica)
Prairie cordgrass (Spartina pectinata)
Prairie threeawn (Aristida oligantha)
Quackgrass (Agropyron repens)
Sandbur (Cenchrus spp.)
Sand dropseed (Sporobolus cyrtandrus)
Smooth brome (Bromus inermis)
Timothy (Phleum pratense)
Torpedograss (Panicum repens)
Vaseygrass (Paspalum urvillei)
Wild barley (Hordeum spp.)
Wild oats (Avena fatua)
Wirestem muhly (Muhlenbergia frondosa)
Witchgrass (Panicum capillare)

BROADLEAF WEEDS

Bull thistle (Cirsium vulgare)
Burdock (Arctium spp.)
Camphorweed (Heterotheca subzillaris)

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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)
Filaree (Erodium spp.)
Fleabane (Erigeron spp.)
Giant ragweed (Ambrosia trifida)
Hoary vervain (Verbena stricta)
Horseweed (Conyza canadensis)
Indian mustard (Brassica juncea)
Kochia (Kochia scoparia)
Lambsquarters (Chenopodium album)
Lespedeza (Lespedeza spp.)
Little mallow (Malvapar viflora)
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.)
Pokeweed (Phytolacca americana)
Primrose (Oenothera kunthiana)
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)
Wild carrot (Caucus carota)
Wild lettuce (Lactuca spp.)
Wild parsnip (Pastinaca sativa)
Wild turnip (Brassica campestris)
Woollyleaf bursage (Ambrosia grayi)
Yellow starnthistle (Centaurea solstitialis)
Yellow woodsorrel (Oxalis stricta)

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