



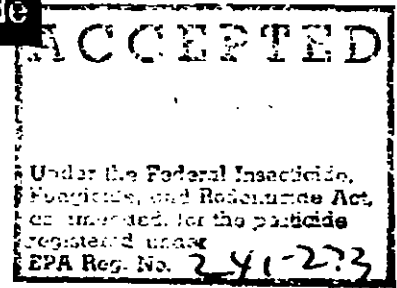
**ACTIVE INGREDIENT:**

Isopropylamine salt of Imazapyr (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid)\* . . . . . 27.6%

**INERT INGREDIENTS** . . . . . 72.4%

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

\*Equivalent to 22.6% 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid or 2 pounds acid per gallon.



EPA Reg. No. 241-273

EPA Est. No. 5905-AR-01

**KEEP OUT OF REACH OF CHILDREN  
CAUTION! ¡PRECAUCION!**

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

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

See inside for Additional Precautionary Statements  
See inside for Directions For Use.



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**Net Contents: 30 Gallons**

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Front Cover

**FRONT PANEL PRINTING INFORMATION**  
STRIP IN 4 COLOR MASTER ARSENAL Railroad herbicide ART SIZE AND POSITION HAVE NOT CHANGED SINCE PREVIOUS PRINTING. ALL REMAINING COPY AND CYANAMID LOGO PRINT 100% BLACK. PEEI DOWN ART AND INTEC ART PRINT 100% BLACK.

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS**

**CAUTION!**

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

**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.

**PHYSICAL AND CHEMICAL HAZARDS**

Spray solutions of ARSENAL Railroad herbicide should be mixed, stored and applied only in stainless steel, fiberglass, plastic and plastic-lined steel containers.

**DO NOT** mix, store or apply ARSENAL Railroad herbicide or spray solutions of ARSENAL Railroad herbicide in unlined steel (except stainless steel) containers or spray tanks.

**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 purposes. 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** side trim desirable vegetation with this product. Prevent drift of spray to desirable plants. **DO NOT USE** in California.

Clean application equipment after using this product by thoroughly flushing with water.

**GENERAL INFORMATION**

ARSENAL Railroad herbicide is an aqueous solution containing surfactant to be mixed in water and applied as a spray for control of most annual and perennial grasses and broadleaf weeds on noncropland areas.

ARSENAL Railroad herbicide may be applied either pre-emergence or postemergence to the weeds; however, postemergence application is the method of choice in most situations, particularly for control of perennials. For maximum activity, weeds should be growing vigorously at the time of postemergence applications. The preemergence activity of ARSENAL Railroad herbicide will provide residual control of new germination of most weed species following a postemergence application.

ARSENAL Railroad herbicide is readily absorbed through foliage and roots and is translocated rapidly throughout the plant, with accumulation in the meristematic regions. Treated plants stop growing soon after spray 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 reasonably fit for the use therein described when used in accordance with the directions for 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 or 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.

ARSENAL Railroad herbicide should be used only in accordance with recommendations on the label label attached to the container. Keep containers closed to avoid spills and contamination.

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A postemergence use of ARSENAL Railroad herbicide 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, utility plant sites, petroleum tank farms, pumping installations, fence rows, storage areas, non-irrigation ditchbanks, and other similar areas. ARSENAL Railroad herbicide is recommended for the establishment and maintenance of wildlife openings. ARSENAL Railroad herbicide may also be used for the release of unimproved bermudagrass (see specific labeling).

### STORAGE AND DISPOSAL

**PROHIBITIONS:** DO NOT store below 10°F. 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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in an approved sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### APPLICATION EQUIPMENT AND TECHNIQUES

ARSENAL Railroad herbicide may be applied with the following application equipment:

Aerial: fixed wing and helicopter.

Boom: conventional boom mounted, manifold mounted, and off-center nozzles.

Low-volume hand-held spray equipment: backpack, knapsack and other pump-up type pressure sprayers and backpack mist blowers used to direct application to weed foliage.

High-volume spray equipment: high pressure handguns and vehicle mounted high-volume directed spray equipment.

#### AERIAL EQUIPMENT

Uniformly apply the recommended amount of ARSENAL Railroad herbicide with properly calibrated aerial equipment in 5 to 30 gallons of water per acre. All precautions should be taken to minimize or eliminate spray drift. Aerial equipment designed to minimize spray drift, such as a helicopter equipped with a MICROFOIL boom, THRU-VALVE boom or raindrop nozzles, must be used. Applications should not be made under gusty conditions or when wind velocity exceeds 5 mph. Except when applying with a MICROFOIL boom, a drift control agent may be added at the recommended label rate. A foam reducing agent may be added at the recommended label rate, if needed.

**IMPORTANT:** DO NOT make applications by fixed wing aircraft unless appropriate buffer zones can be maintained to insure that drift does not occur off the target area. Thoroughly clean application equipment, including landing gear, immediately after use. Prolonged exposure of this product to uncoated steel (except stainless steel) surfaces may result in corrosion and failure of the exposed part.

#### BOOM EQUIPMENT

Mix the recommended amount of ARSENAL Railroad herbicide in 10 to 60 gallons of water per acre in the spray tank with the agitator running. A foam reducing agent may be added at the recommended label rate, if needed. If desired, a spray pattern indicator may be added at the recommended label rate. Check for even distribution in spray pattern.

**IMPORTANT:** To minimize drift, select proper nozzles; to avoid spraying a fine mist, DO NOT exceed spray pressure of 50 psi, and DO NOT spray under windy or gusty conditions.

Clean application equipment after using this product by thoroughly flushing with water.

#### LOW-VOLUME HAND-HELD SPRAY EQUIPMENT

Thoroughly mix a 1/2 to 1 percent solution of ARSENAL Railroad herbicide in water. To determine the proper percent solution of ARSENAL Railroad herbicide to use, see the "WEEDS CONTROLLED" section of this label and the "PERCENT SOLUTION RATE GUIDE" below. The table calculations below are based on an approximate delivery volume of 50 to 75 gallons per acre.

#### PERCENT SOLUTION RATE GUIDE

ARSENAL RAILROAD HERBICIDE RATE PER ACRE	PERCENT SOLUTION TO MIX
2-3 pints	1/2%
3-4 pints	3/4%
4-6 pints	1%

For best results, uniformly cover the foliage of the vegetation to be controlled with the spray solution.

DO NOT overapply and cause runoff from the treated foliage.

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To mix the spray solution, add the volume of ARSENAL Railroad herbicide indicated in the table below to the desired amount of water.

### SPRAY SOLUTION MIXING GUIDE

SOLUTION VOLUME	AMOUNT OF ARSENAL RAILROAD HERBICIDE TO USE (fluid volume)		
	1/2%	3/4%	1%
1 gallon	2/3 oz.	1 oz.	1-1/3 oz.
5 gallons	3-1/3 oz.	5 oz.	6-1/2 oz.
10 gallons	6-2/3 oz.	10 oz.	13 oz.
25 gallons	1 pint	1-1/2 pints	2 pints

2 tablespoons = 1 fluid ounce

**IMPORTANT:** DO NOT exceed recommended dosage rate per acre. DO NOT side-trim desirable vegetation with this product. Clean application equipment after using this product by thoroughly flushing with water.

### HIGH-VOLUME SPRAY EQUIPMENT

ARSENAL Railroad herbicide may be applied using high-volume spray equipment. For best results, apply ARSENAL Railroad herbicide using the least amount of water practical to obtain uniform coverage of the vegetation foliage. Using excessive spray volumes which cause runoff from the plant foliage may result in reduced performance.

When using spray volumes greater than 60 gallons per acre, additional nonionic surfactant such as Ortho® X-77 must then be added at the rate of 1 quart per 100 gallons of spray solution to provide optimum wetting and/or contact activity. A foam reducing agent may be added at the recommended label rate, if needed. If desired, a spray pattern indicator may be added at the recommended label rate.

To mix the spray solution, determine the proper ARSENAL Railroad herbicide pints per acre rate from the "WEEDS CONTROLLED" section of this label and mix according to the table below.

### SPRAY SOLUTION MIXING GUIDE

SPRAY VOLUME (GAL/ACRE)	PINTS ARSENAL RAILROAD HERBICIDE TO MIX PER 100 GALLONS WATER*			
	3 PTS/ACRE	4 PTS/ACRE	5 PTS/ACRE	6 PTS/ACRE
50	6	8	10	12
100	3	4	5	6
150	2	2-3/4	3-1/4	4

**IMPORTANT:** DO NOT exceed recommended dosage rate per acre. DO NOT side-trim desirable vegetation with this product.

Clean application equipment after using this product by thoroughly flushing with water.

## FOR CONTROL OF UNDESIRABLE WEEDS IN UNIMPROVED BERMUDAGRASS AND BAHIAGRASS

For use on unimproved bermudagrass and bahiagrass turf such as roadsides, utility rights-of-way and other noncropland industrial sites. The application of ARSENAL Railroad herbicide on established common and coastal bermudagrass and bahiagrass provides control of labeled broadleaf and grass weeds. Competition from these weeds is eliminated, releasing the bermudagrass and bahiagrass. Treatment of bermudagrass with ARSENAL Railroad herbicide results in a compacted growth habit and seedhead inhibition.

Uniformly apply with properly calibrated ground equipment using at least 10 gallons of water per acre with a spray pressure 20 to 50 psi.

### DOSAGE RATES AND TIMING

**EARLY SPRING - DORMANT:** Apply ARSENAL Railroad herbicide at 6 to 12 fluid oz. per acre for bermudagrass, and 4 to 8 fluid oz. per acre for bahiagrass when the grass is still dormant and has not initiated new growth.

**SPRING - UP TO 25% GREEN-UP:** Apply ARSENAL Railroad herbicide at 6 to 8 fluid oz. per acre for bermudagrass and 4 to 8 fluid oz. per acre for bahiagrass after the grass has initiated green-up but has not exceeded 25% green-up.

### WEEDS CONTROLLED

Bedstraw (*Galium* spp.)  
 Bishopweed (*Ptilimnium capillaceum*)  
 Buttercups (*Ranunculus* spp.)  
 Carolina geranium (*Geranium carolinianum*)  
 Fescue (*Festuca* spp.)  
 Foxtail (*Setaria* spp.)  
 Little barley (*Hordeum pusillum*)  
 Seeding Johnsongrass (*Sorghum halepense*)  
 Wild carrot (*Daucus carota*)  
 White clover (*Trifolium repens*)  
 Yellow woodsorrel (*Oxalis stricta*)

- DO NOT APPLY to grass during its first growing season
- DO NOT APPLY to grass that is under stress from drought, disease, insects, or other causes.
- Temporary yellowing of grass may occur when treatment is made after growth commences.
- DO NOT add a surfactant.

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## FOR CONTROL OF UNDESIRABLE WEEDS UNDER PAVED SURFACES

ARSENAL Railroad herbicide can be used under asphalt, pond liners and other paved areas, ONLY in industrial sites or where the pavement has a suitable barrier along the perimeter that prevents encroachment of roots of desirable plants.

ARSENAL Railroad herbicide should be used only where the area to be treated has been prepared according to good construction practices. If rhizomes, stolons, tubers or other vegetative plant parts are present in the site, they should be removed by scalping with a grader blade to a depth sufficient to insure their complete removal.

### APPLICATION DIRECTIONS

Applications should be made to the soil surface only when final grade is established. Do not move soil following ARSENAL Railroad herbicide application.

Uniformly apply ARSENAL Railroad herbicide to the area to be surfaced, including the shoulder areas at a rate of 6 pints per acre.

Apply ARSENAL Railroad herbicide in sufficient water (at least 100 gal. per acre) to insure thorough wetting of the soil surface. Add the recommended amount of ARSENAL Railroad herbicide to clean water in the spray tank during the filling operation. Agitate before spraying.

#### For Herbicide Activation:

**On Moist Subsoils:** Apply ARSENAL Railroad herbicide after final grading and immediately before laying asphalt or liner surface. Apply uniformly, using at least 100 gallons of water per acre.

**If Moisture Is Not Present:** Incorporation of ARSENAL Railroad herbicide is needed for herbicide activation. ARSENAL Railroad herbicide can be incorporated into the soil to a depth of 4 to 6 inches using a rototiller or disc. Rainfall or irrigation of 1 inch will also provide uniform incorporation. Do not allow treated soil to wash or move into untreated areas.

### IMPORTANT

Paving should follow ARSENAL Railroad herbicide applications as soon as possible. DO NOT apply where the chemical may contact the roots of desirable trees or other plants.

The product is not recommended for use under pavement on residential properties such as driveways or parking lots, nor is it recommended for use in recreational areas such as under bike or jogging paths, golf cart paths, or tennis courts, or where landscape plantings could be anticipated.

Injury or death of desirable plants may result if this product is applied where roots are present or where they may extend into the treated area. Roots of trees and shrubs may extend a considerable distance beyond the branch extremities or drip line.

## WEEDS CONTROLLED

ARSENAL Railroad herbicide will provide postemergence control with residual control of the following target vegetation species at the rates listed. Residual control refers to control of newly germinating seedlings in both annuals and perennials. In general, annual weeds may be controlled by postemergence or preemergence applications of ARSENAL Railroad herbicide; whereas, for established biennials and perennials post-emergence applications of ARSENAL Railroad herbicide are recommended. ARSENAL Railroad herbicide should be used only in accordance with the recommendations on this label and the leaflet label.

### GRASSES

COMMON NAME	SPECIES	GROWTH HABIT <sup>2</sup>
<b>Apply 2-3 pints per acre<sup>1</sup></b>		
Annual bluegrass	( <i>Poa annua</i> )	A
Broadleaf signalgrass	( <i>Brachiaria platphylla</i> )	A
Canada bluegrass	( <i>Poa compressa</i> )	P
Downy brome	( <i>Bromus tectorum</i> )	A
Fescue	( <i>Festuca spp.</i> )	NP
Foxtail	( <i>Setaria spp.</i> )	A
Italian ryegrass	( <i>Lolium multiflorum</i> )	A
Johnsongrass	( <i>Sorghum halepense</i> )	P
Kentucky bluegrass	( <i>Poa pratensis</i> )	P
Lovegrass	( <i>Eragrostis spp.</i> )	NP
Orchardgrass	( <i>Dactylis glomerata</i> )	P
Paragrass	( <i>Brachiaria mutica</i> )	P
Quackgrass	( <i>Agropyron repens</i> )	P
Syntherisma	( <i>Cenchrus spp.</i> )	A
Sand dropseed	( <i>Sporobolus cryptandrus</i> )	P
Smooth brome	( <i>Bromus inermis</i> )	P
Vaseygrass	( <i>Paspalum urvillei</i> )	P
Wild oats	( <i>Avena fatua</i> )	A
Witchgrass	( <i>Panicum capillare</i> )	A
<b>Apply 3-4 pints per acre<sup>1</sup></b>		
Beardgrass	( <i>Andropogon spp.</i> )	P
Cheat	( <i>Bromus secalinus</i> )	A
Crabgrass	( <i>Digitaria spp.</i> )	A

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GRASSES		
COMMON NAME	SPECIES	GROWTH HABIT <sup>2</sup>
Apply 3-4 pints per acre <sup>1</sup>		
Fall panicum	( <i>Panicum dichotomiflorum</i> )	A
Goosegrass	( <i>Eleusine indica</i> )	A
Prarie threeawn	( <i>Aristida oligantha</i> )	P
Reed canarygrass	( <i>Phalaris arundinacea</i> )	P
Torpedograss	( <i>Panicum repens</i> )	P
Wild barley	( <i>Hordeum spp.</i> )	A
Apply 4-6 pints per acre <sup>1</sup>		
Bahiagrass	( <i>Paspalum notatum</i> )	P
Bermudagrass	( <i>Cynodon dactylon</i> )	P
Big bluestem	( <i>Andropogon gerardi</i> )	P
Cattail	( <i>Typha spp.</i> )	P
Cogongrass	( <i>Imperata cylindrica</i> )	P
Dallisgrass	( <i>Paspalum dilatatum</i> )	P
Feathertop	( <i>Pennisetum villosum</i> )	P
Guineagrass	( <i>Panicum maximum</i> )	P
Phragmites	( <i>Phragmites australis</i> )	P
Prairie cordgrass	( <i>Spartina pectinata</i> )	P
Saltgrass	( <i>Distichlis stricta</i> )	P
Timothy	( <i>Phleum pratense</i> )	P
Wirestem muhly	( <i>Muhlenbergia frondosa</i> )	P

BROADLEAF WEEDS		
COMMON NAME	SPECIES	GROWTH HABIT <sup>2</sup>
Apply 2-3 pints per acre <sup>1</sup>		
Burdock	( <i>Arctium spp.</i> )	B
Camphorweed	( <i>Heterotheca subaxillaris</i> )	P
Carpetweed	( <i>Mollugo verticillata</i> )	A
Carolina geranium	( <i>Geranium carolinianum</i> )	A
Clover	( <i>Trifolium spp.</i> )	A/P
Common chickweed	( <i>Stellaria media</i> )	A
Common ragweed	( <i>Ambrosia artemisiifolia</i> )	A
Dandelion	( <i>Taraxacum officinale</i> )	P

BROADLEAF WEEDS		
COMMON NAME	SPECIES	GROWTH HABIT <sup>2</sup>
Apply 2-3 pints per acre <sup>1</sup>		
Dogfennel	( <i>Eupatorium capillifolium</i> )	A
Flaree	( <i>Erodium spp.</i> )	A
Fleabane	( <i>Erigeron spp.</i> )	A
Hoary vervain	( <i>Verbena stricta</i> )	P
Horseweed	( <i>Coryza canadensis</i> )	A
Indian mustard	( <i>Brassica juncea</i> )	A
Lambsquarters	( <i>Chenopodium album</i> )	A
Lespedeza	( <i>Lespedeza spp.</i> )	P
Miners lettuce	( <i>Montia perfoliata</i> )	A
Mullein	( <i>Verbascum spp.</i> )	B
Nettleleaf goosefoot	( <i>Chenopodium murale</i> )	A
Oxeye daisy	( <i>Chrysanthemum leucanthemum</i> )	P
Pepperweed	( <i>Lepidium spp.</i> )	A
Pigweed	( <i>Amaranthus spp.</i> )	A
Plantain	( <i>Plantago spp.</i> )	P
Puncturevine	( <i>Tribulus terrestris</i> )	A
Russian thistle	( <i>Salsola kali</i> )	A
Smartweed	( <i>Polygonum spp.</i> )	A/P
Sorrel	( <i>Rumex spp.</i> )	P
Sunflower	( <i>Helianthus spp.</i> )	A
Sweet clover	( <i>Melilotus spp.</i> )	A/B
Tansymustard	( <i>Descurainia pinnata</i> )	A
Western ragweed	( <i>Ambrosia psilostachya</i> )	P
Wild carrot	( <i>Daucus carota</i> )	B
Wild lettuce	( <i>Lactuca spp.</i> )	A/B
Wild parsnip	( <i>Pastinaca sativa</i> )	B
Wild turnip	( <i>Brassica campestris</i> )	B
Woollyleaf bursage	( <i>Ambrosia grayi</i> )	P
Yellow woodsorrel	( <i>Oxalis stricta</i> )	P
Apply 3-4 pints per acre <sup>1</sup>		
Broom snakeweed <sup>3</sup>	( <i>Gutierrezia sarothrae</i> )	P

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**BROADLEAF WEEDS**

COMMON NAME	SPECIES	GROWTH HABIT <sup>2</sup>
<b>Apply 3-4 pints per acre<sup>1</sup></b>		
Bull thistle	( <i>Cirsium vulgare</i> )	B
Cocklebur	( <i>Xanthium strumarium</i> )	A
Desert camelthorn	( <i>Alhagi camelorum</i> )	P
Diffuse knapweed	( <i>Centaurea diffusa</i> )	A
Dock	( <i>Rumex spp.</i> )	P
Goldenrod	( <i>Solidago spp.</i> )	P
Pokeweed	( <i>Phytolacca americana</i> )	A
Purple loosestrife <sup>3</sup>	( <i>Lythrum salicaria</i> )	P
Purslane	( <i>Portulaca spp.</i> )	A
Rush skeletonweed <sup>3</sup>	( <i>Chondrilla juncea</i> )	B
Saltbush	( <i>Atriplex spp.</i> )	A
Stinging nettle <sup>3</sup>	( <i>Urtica dioica</i> )	P
Yellow starthistle	( <i>Centaurea solstitialis</i> )	A
<b>Apply 4-6 pints per acre<sup>1</sup></b>		
Arrowwood	( <i>Pluchea sericea</i> )	A
Canada thistle	( <i>Cirsium arvense</i> )	P
Giant ragweed	( <i>Ambrosia trifida</i> )	A
Japanese bamboo	( <i>Polygonum cuspidatum</i> )	P
Little mallow	( <i>Malva parviflora</i> )	B
Milkweed	( <i>Asclepias spp.</i> )	P
Primrose	( <i>Oenothera kunthiana</i> )	P
Russian knapweed	( <i>Centaurea repens</i> )	P
Silverleaf nightshade	( <i>Solanum elaeagnifolium</i> )	P
Sowthistle	( <i>Sonchus spp.</i> )	A
Texas thistle	( <i>Cirsium texanum</i> )	P

**VINES AND BRAMBLES**

COMMON NAME	SPECIES	GROWTH HABIT <sup>2</sup>
<b>Apply 1 pint per acre</b>		
Field bindweed	( <i>Convolvulus arvensis</i> )	P
Hedge bindweed	( <i>Calysetegia sequium</i> )	A

**VINES AND BRAMBLES**

COMMON NAME	SPECIES	GROWTH HABIT <sup>2</sup>
<b>Apply 2-3 pints per acre<sup>1</sup></b>		
Wild buckwheat	( <i>Polygonum convolvulus</i> )	P
<b>Apply 3-4 pints per acre<sup>1</sup></b>		
Greenbriar	( <i>Smilax spp.</i> )	P
Honeysuckle	( <i>Lonicera spp.</i> )	P
Morningglory	( <i>Ipomoea spp.</i> )	A/P
Poison ivy	( <i>Rhus radicans</i> )	P
Redvine	( <i>Brunnichia cirrhosa</i> )	P
Wild rose	( <i>Rosa spp.</i> )	
Including:		P
Multiflora rose	( <i>Rosa multiflora</i> )	
Macartney rose	( <i>Rosa bracteata</i> )	
<b>Apply 4-6 pints per acre<sup>1</sup></b>		
Blackberry <sup>4</sup>	( <i>Rubus spp.</i> )	P
Dewberry <sup>4</sup>	( <i>Rubus spp.</i> )	P
Kudzu <sup>5</sup>	( <i>Pueraria lobata</i> )	P
Trumpetcreeper	( <i>Campsis radicans</i> )	P
Virginia creeper	( <i>Parthenocissus quinquefolia</i> )	P
Wild grape	( <i>Vitis spp.</i> )	P

**BRUSH SPECIES**

COMMON NAME	SPECIES	GROWTH HABIT <sup>2</sup>
<b>Apply 4-6 pints per acre<sup>1</sup></b>		
American beech	( <i>Fagus grandifolia</i> )	P
Ash	( <i>Fraxinus spp.</i> )	P
Bald cypress	( <i>Taxodium distichum</i> )	P
Bigleaf maple	( <i>Acer macrophyllum</i> )	P
Blackgum	( <i>Nyssa sylvatica</i> )	P
Boxelder	( <i>Acer negundo</i> )	P
Cherry	( <i>Prunus spp.</i> )	P
Chinaberry	( <i>Melia azedarach</i> )	P
Chinese tallow-tree	( <i>Sapum sebiferum</i> )	P
Dogwood	( <i>Cornus spp.</i> )	P

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BRUSH SPECIES		
COMMON NAME	SPECIES	GROWTH HABIT <sup>2</sup>
Apply 4-6 pints per acre <sup>1</sup>		
Hawthorn	( <i>Crataegus</i> spp.)	P
Hickory	( <i>Carya</i> spp.)	P
Maple	( <i>Acer</i> spp.)	P
Mulberry	( <i>Morus</i> spp.)	P
Oak	( <i>Quercus</i> spp.)	P
Persimmon	( <i>Diospyros virginiana</i> )	P
Poplar	( <i>Populus</i> spp.)	P
Privet	( <i>Ligustrum vulgare</i> )	P
Russian olive	( <i>Elaeagnus angustifolia</i> )	P
Red alder	( <i>Alnus rubra</i> )	P
Red maple	( <i>Acer rubrum</i> )	P
Rubber rabbitbrush	( <i>Chrysothamnus nauseosus</i> )	P

BRUSH SPECIES		
COMMON NAME	SPECIES	GROWTH HABIT <sup>2</sup>
Apply 4-6 pints per acre <sup>1</sup>		
Saltcedar	( <i>Tamarix ramosissima</i> )	P
Sassafras	( <i>Sassafras albidum</i> )	P
Sourwood	( <i>Oxydendrum arboreum</i> )	P
Sumac	( <i>Rhus</i> spp.)	P
Sweetgum	( <i>Liquidambar styraciflua</i> )	P
Willow	( <i>Salix</i> spp.)	P
Yellow poplar	( <i>Linodendron tulipifera</i> )	P

<sup>1</sup>The higher rates should be used where heavy or well established infestations occur.  
<sup>2</sup>Growth Habit - A = Annual, B = Biennial, P = Perennial  
<sup>3</sup>For best results early postemergence applications are required  
<sup>4</sup>The degree of control is species dependent. Some *Rubus* species may not be completely controlled  
<sup>5</sup>Use a minimum of 75 GPA - Control of established stands may require repeat applications



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INTERIOR PANEL PRINTING INFORMATION  
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**ACTIVE INGREDIENT:**

Isopropylamine salt of Imazapyr (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid)\* 27.6%

**INERT INGREDIENTS** 72.4%

**TOTAL** 100.0%

\*Equivalent to 22.6% 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid or 2 pounds acid per gallon.

EPA Reg. No. 241-273

EPA Est. No. 5985-AR-81

# KEEP OUT OF REACH OF CHILDREN CAUTION!

**PRECAUCION AL USUARIO:**

Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

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

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS

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

#### 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.



Net Contents: 30 Gallons 22899-05  
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### PHYSICAL AND CHEMICAL HAZARDS

Spray solutions of ARSENAL Railroad herbicide should be mixed, stored and applied only in stainless steel, fiberglass, plastic and plastic-lined steel containers.

DO NOT mix, store or apply ARSENAL Railroad herbicide or spray solutions of ARSENAL Railroad herbicide in unlined steel (except stainless steel) containers or spray tanks.

### 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 purposes. 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 side trim desirable vegetation with this product. Prevent drift of spray to desirable plants. DO NOT USE in California.

Clean application equipment after using this product by thoroughly flushing with water.

### DIRECTIONS FOR USE

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

ARSENAL Railroad herbicide should be used only in accordance with recommendations on the leaflet label attached to the container. Keep containers closed to avoid spills and contamination.

A postemergence use of ARSENAL Railroad herbicide 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, utility plant sites, petroleum tank farms, pumping installations, fence rows, storage areas, non-irrigation ditchbanks, and other similar areas. ARSENAL Railroad herbicide is recommended for the establishment and maintenance of wildlife openings. ARSENAL Railroad herbicide may also be used for the release of unimproved bermudagrass (see specific labeling).

See complete Directions For Use inside leaflet.

### STORAGE AND DISPOSAL

**PROHIBITIONS:** DO NOT store below 10°F. 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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in an approved sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

See Disclaimer inside leaflet.

Attached Panel

**BACK PANEL PRINTING INFORMATION**

STRIP IN 4 COLOR MASTER ARSENAL Railroad herbicide ART SIZE AND POSITION HAVE NOT CHANGED SINCE PREVIOUS PRINTING. ALL REMAINING COPY AND CYANAMID LOGO PRINT 100% BLACK.

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