

SSI MAXIM

IMAZAPYR

GROUP

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HERBICIDE



5G

For Use In Loblolly Pine Forestry Sites
and Noncrop and Riparian Areas

EPA Reg. No. 34913-24

EPA Est. No. 39578-TX-1

ACTIVE INGREDIENT:	
Imazapyr (2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid)	5.0%
OTHER INGREDIENTS	95.0%
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION!

PRECAUCION

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

FIRST AID	
IF IN EYES:	- 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 eye. - Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	- 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 SWALLOWED:	- Call a poison control center or doctor immediately for treatment advice. - Have person sip a glass of water if able to swallow. - Do not induce vomiting unless told to do so by a poison control center or doctor. - Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 Monday through Friday, 8:00 am to 12:00 pm Pacific Time (NPIC Web site: www.npic.orst.edu). For emergencies, call the poison control center at 1-800-222-1222, 24 hours a day, 7 days a week.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION!

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust.

USER SAFETY RECOMMENDATIONS

Users should wash hands with plenty of soap and water before eating, drinking, chewing gum, using tobacco, or using the toilet.
Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
Users should 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.

PHYSICAL AND CHEMICAL HAZARDS

SSI MAXIM ARSENAL® 5G herbicide must be mixed and stored only in lined paper bags, stainless steel, fiberglass, plastic and plastic-lined steel containers. DO NOT mix or store SSI MAXIM ARSENAL® 5G herbicide in unlined steel (except stainless steel) containers.

Personal Protective Equipment (PPE)
Mixers, loaders and applicators, and other handlers must wear:

- Long-sleeve shirt and long pants,
- Shoes plus socks,
- Chemical resistant gloves for all mixers and loaders, plus applicators using handheld equipment. (Some materials that are chemical-resistant to this product are polyethylene, polyvinyl chloride, barrier laminate, and butyl, nitrile, neoprene, and natural rubber.)

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 materials that have been heavily contaminated with this product. Do not reuse them.

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

ENVIRONMENTAL HAZARDS

This product is toxic to plants. Drift and run-off may be hazardous to plants in water adjacent to treated areas. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark, except as specified on the label. Treatment of aquatic weeds may result in oxygen depletion or loss due to decomposition of dead plants. Do not contaminate water when disposing of equipment washwater, or rinsate. See Directions for Use for additional precautions and requirements.

RESTRICTIONS

DO NOT apply directly to water bodies including lakes, streams, rivers, ponds, or to areas where surface water is present, or to intertidal areas below the mean high water mark. DO NOT use on food or feed crops. DO NOT apply on ditches used to transport irrigation water. 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. DO NOT enter or allow others to enter treated areas until dusts have settled. The use of treated waters on irrigated crops within 120 days of treatment is prohibited. DO NOT apply more than 30 lbs. of product (1.5 lbs. of active ingredient) per acre per year. Use only 1 application per year for herbaceous treatments and 1-2 applications per 10 years, not to exceed 1 application per year, for brush treatment.

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. Keep people and pets out of the area during application. Only protected handlers may be in the area during application.

PRODUCT INFORMATION

SSI MAXIM ARSENAL® 5G herbicide may be applied to noncrop and riparian areas for the control of most annual and perennial grasses, broadleaf weeds, brush, and hardwood trees. SSI MAXIM ARSENAL® 5G herbicide 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 necrosis may not be apparent in some plant species until two weeks after application. Complete kill of plants may not occur for several weeks.

RESISTANCE MANAGEMENT

For resistant management, SSI MAXIM ARSENAL® 5G herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to SSI MAXIM ARSENAL® 5G herbicide and other Group 2 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance-management strategies should be followed.

Application sites should be scouted before and after application to verify that the treatment was effective. Suspected herbicide-resistant weeds may be identified by these indicators:

- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of non-controlled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.

Report any incidence of non-performance of this product against a particular weed species to your retailer, representative or call 1-800-346-4781. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemical means to remove escapes, as practical, with the goal of preventing further seed production.

Net Contents:
40 Pounds



SSI MAXIM COMPANY, INC.
P.O. Box 1954 • Kilgore, TX 75663 • 800-346-4781

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Best Management Practices:
To the extent possible, use a diversified approach toward weed management. Whenever possible incorporate multiple weed-control practices such as mechanical cultivation, and biological management practices.
To the extent possible do not allow weed escapes to produce seeds, roots or tubers. Prevent application site to site and within-site movement of weed seed or vegetative propagules. Thoroughly clean plant residues from equipment before leaving application sites.
Identify weeds present in the application site through scouting and site history and understand their biology. The weed-control program should consider all of the weeds present.
Difficult to control weeds may require sequential applications of herbicides with differing mechanisms of action.
Apply this herbicide at the correct timing and rate needed to control the most difficult weed at the application site.
Use a broad spectrum soil-applied herbicide with a mechanism of action that differs from this product as a foundation in a weed-control program. Do not use more than two applications of this or any other herbicide with the same mechanism of action within a single growing season unless mixed with an herbicide with another mechanism of action (MOA) with an overlapping spectrum for the difficult-to-control weeds.
If resistance is suspected, treat weed escapes with an herbicide with a different MOA or use non-chemical methods to remove escapes.
Contact your local sales representative, crop advisor, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your local conditions. Tank mix products so that there are multiple effective mechanisms of actions for each target weed.

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 apply to uses of this product that are covered by the Worker Protection Standard.

Except for the protected applicator, do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

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
- shoes plus socks
- chemical-resistant gloves made of any waterproof material
- protective eyewear

Weeds Controlled by SSI MAXIM ARSENAL® 5G Herbicide									
GRASSES ANNUAL BLUEGRASS (Poa annual) BAHIAGRASS (Paspalum notatum) BEARDGRASS (Andropogon spp) BERMUDAGRASS (Cynodon dactylon) BIG BLUESTEM (Andropogon gerardi) BROADLEAF SIGNALGRASS (Brachiaria platyphyla) CANADA BLUEGRASS (Poa compressa) CATTAIL (Typha spp) CHEAT (Bromus secalinus) CRABGRASS (Digitaria spp) DALLISGRASS (Paspalum dilatatum) DOWNY BROME (Bromus tectorum) FALL PANICUM (Panicum dichotomiflorum) FEATHER TOP (Pennisetum villosum) FESQUE (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) PHRAGMITES (Phragmites australis) PRAIRIE COROGRASS (Spartina pectata) PRAIRIE THREEAWN (Aristida oligina) QUACKGRASS (Agropyron repens) REED CANARY GRASS (Phalaris arundinacea) SALTGRASS (Distichis stracta) SAND DROPSIDE (Sporobolus cryptandrus) SANDBUR (Cenchrus spp) SMOOTH BROME (Bromus inermis) TIMOTHY (Phleum pretense) TORPEDOGRASS (Panicum repens) VASEYGRASS (Paspalum urville) WILD BARLEY (Hordeum spp) WILD OATS (Avena fatua) WIRESTEM MUHLY (Muhlenbergia irondosa) WITCHGRASS (Panicum capillare) BROADLEAF WEEDS BULL THISTLE (Cirsium vulgare) BURDOCK (Arctium spp) CAMPHORWEED (Heterotheca subaxillaris) CANADA THISTLE (Cirsium arvense) CAROLINA GERANIUM (Geranium carolinianum) CARPETWEED (Mullugo verticillata) CLOVER (Trifolium spp) COCKLEBUR (Xanthium strumarium) COMMON CHICKWEED (Stellaria media) DANDELION (Taraxacum officinale) DOCK (Rumex spp) DOGFEENEL (Eupatorium capillifolium) FILAREE (Erodium spp) FLEABANE (Erigeron spp) GOLDENROD (Solidago spp) HOARY VERVAIN (Verbena stricta) INDIAN MUSTARD (Brassica juncea) KOCHIA (Kochia scoparia) LAMBSQUARTERS (Chenopodium album) LESPEDEZA (Lespedeza spp) LITTLE MALLOW (Malva parviflora) MILKWEED (Asclepias spp) MINERS LETTUCE (Mortia perfoliata) MULLEIN (Verbascum spp) NETTLELEAF GOOSEFOOT (Chenopodium murale) OXEYE DAISY (Chrysanthemum leucanthemum) PEPPERWEED (Lepidium spp) PIGWEE (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) WILD CARROT (Daucus carota) WILD LETTUCE (Lactuca spp) WILD PARSNIP (Pastinaca sativa) WILDTURNIP (Brassica campestris) WOOLLYLEAF BURSAGE (Ambrosia grayi) YELLOW STARTHISTLE (Centauria solstitialis) YELLOW WOODSORREL (Oxalis stricta) VINES AND BRAMBLES BLACKBERRY (Rubus spp)* DEWBERRY (Rubus spp)* FIELD BINDWEED (Convolvulus arvensis) GREENBRIAR (Smilax spp) HEDGE BINDWEED (Calystegia sequium) HONEYSUCKLE (Lonicera spp) KUDZU (Pueraria lobata) MORNINGGLORY (Ipomoea spp) POISON IVY (Rhus radicans) REDVINE (Brunnicia cirrhosa) TRUMPETCREEPER (Campsis radicans) VIRGINIA CREEPER (Parthenocissus quinquefolia) WILD BUCKWHEAT (Polygonum convolvulus) WILD GRAPE (Vitis spp) WILD ROSE (Rosa spp) Including: MULTIFLORA ROSE (Rosa multiflora) MACARTNEY ROSE (Rosa bracteata) * The degree of control may be species dependent. Some Rubus species may not be controlled. WOODY BRUSH AND TREES ASH (Fraxinus spp) BLACKGUM (Nyssa sylvatica) BOXELDER (Acer negundo) CHERRY (Prunus spp) CHINESE TALLOWTREE (Sapium sebiterum) DOGWOOD (Cornus spp) HAWTHORN (Crataegus spp) HICKORY (Carya spp) MAPLE (Acer spp) MULBERRY (Morus spp) ** OAK (Quercus spp) PERSIMMON (Diospyros virginiana) POPLAR (Populus spp) PRIVET (Ligustrum vulgare) RED MAPLE (Acer rubrum) SASSAFRAS (Sassafras albidum) SUMAC (Rhus spp) SWEETGUM (Liquidambar styraciflua) WILLOW (Salix spp) YELLOW POPLAR (Linodendron tulipetra) **The degree of control may be species dependent									

DO NOT contaminate water, food or feed by storage or disposal. **PESTICIDE STORAGE:** DO NOT store below 10°F.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of by using on sites according to label directions or at an approved waste disposal facility.

CONTAINER HANDLING FOR BAG: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Offer for recycling if available or dispose of bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CONTAINER HANDLING FOR PAIL OR JUG: Nonrefillable container. Do not reuse or refill this container. Completely empty pail into application equipment. Triple rinse (or equivalent). Then offer for recycling or dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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 must 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 SSI Maxim Company, Inc. All such risks shall be assumed by the user.

SSI Maxim Company, Inc. 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. To the extent consistent with applicable law, SSI Maxim Company, Inc. makes no other express or implied warranty, including other express or implied warranty of FITNESS or of MERCHANTABILITY.

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Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Except for protected applicator, do not enter or allow others to enter the treated area until dusts have settled.

APPLICATION INSTRUCTIONS
Application of SSI MAXIM ARSENAL® 5G herbicide is for control of most annual and perennial grasses and broadleaf weeds on the forestry sites and the noncropland areas including railroad, utility, pipeline and highway rights-of-way, petroleum tank farms, pumping installations, non-agricultural fence rows, and storage areas. Application may also be made to riparian areas including shorelines, stream banks, ditch banks, and other semiaquatic areas. SSI MAXIM ARSENAL® 5G herbicide may be applied anytime during the growing season before or after weeds have emerged.

For control of grasses and broadleaf weeds, uniformly apply SSI MAXIM ARSENAL® 5G herbicide granules with properly calibrated aerial or ground equipment at a rate of 1.0 lbs. a.i. imazapyr (20 lbs. of product) per acre. Use only 1 application per year for herbaceous treatments and 1-2 applications per 10 years, not to exceed 1 application per year, for brush treatment.

For control of woody brush, trees, vines, or brambles, uniformly apply 0.5 to 1.5 lb imazapyr (10 to 30 lbs. of product) with properly calibrated manual or mechanically operated ground equipment to control labeled woody brush and trees on forestry sites and noncropland sites including railroad, utility, pipeline, and highway rights of way, utility plant sites, petroleum tank farms, pumping installations, and non-irrigation ditch banks.

DRIFT REDUCTION
Do not apply under circumstances where possible drift to unprotected persons or to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption can occur. Make aerial or ground applications when the wind velocity favors on target product deposition. All aerial and ground application equipment must be properly maintained and calibrated.

- DRIFT REQUIREMENTS**
Aerial Applications:
- When applying aerially, do not release spray at a height greater than 10 ft above the ground or plant canopy, unless a greater application height is necessary for pilot safety.
 - Applicators are required to use upwind swath displacement.
 - The boom length must not exceed 60% of the wingspan or 90% of the rotor blade diameter to reduce drift.
 - Applications with wind speeds less than 3 mph and with wind speeds greater than 10 mph are prohibited.
 - Applications into temperature inversions are prohibited.

- Ground Boom Applications:**
- Applicators are required to use a height below 4 feet above the ground or plant canopy.
 - Applications with wind speeds greater than 10 mph are prohibited.
 - Applications into temperature inversions are prohibited.

SITE PREPARATION FOR LOBLOLLY PINE ONLY
SSI MAXIM ARSENAL® 5G herbicide granule may be used to control labeled grasses, broadleaf weeds, vines and brambles, and woody brush and trees on forest sites in advance of regenerating. Herbaceous grass and broadleaf weeds killed will provide fuel to facilitate a controlled fire, if desired, to control residual pines.

Apply 10 to 30 pounds of SSI MAXIM ARSENAL® 5G herbicide granule per acre (0.5 to 1.5 lb ai/Acre) when making helicopter or mechanical ground spray applications. Use the higher label rates of SSI MAXIM ARSENAL® 5G herbicide when controlling particularly dense, multilayered, canopies of hardwood stands, or difficult to control species.

DO NOT plant lobolly pine seedlings on sites treated with SSI MAXIM ARSENAL® 5G herbicide for three months following application or injury may occur.

CONIFER RELEASE FOR LOBLOLLY PINE ONLY
SSI MAXIM ARSENAL® 5G herbicide may be applied as a broadcast application for control of labeled weed species in lobolly pine. Some minor conifer height-growth inhibition may be observed when release treatments are made during periods of most-active conifer growth. To minimize potential conifer injury release treatments may be made after formation of final conifer resting buds in the fall.

FOR RELEASE OF LOBLOLLY PINE:
Apply 10 to 30 pounds of SSI MAXIM ARSENAL® 5G herbicide per acre (0.5 to 1.5 lb. ai/Acre) when making helicopter or mechanical ground spray applications. Use the higher label rates of SSI MAXIM ARSENAL® 5G herbicide when controlling particularly dense stands or difficult to control species. To minimize injury, DO NOT make application to lobolly pine stands before formation of resting buds at the end of the second growing season. Applications may be made in lobolly plantations of all ages by making directed spot applications specifically to the targeted unwanted vegetation, avoiding direct application to the lobolly pine.

SSI MAXIM ARSENAL® 5G 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. Annual weeds may be controlled by preemergence or postemergence applications of this product; whereas, for established biennials and perennials, postemergence applications of this product may be used.