



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

SEP 10 2003

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms. Peggy M. Galloway  
SSI MAXIM Company, Inc.  
3185 Madison Highway  
P.O. Box 5126  
Valdosta, GA 31603-5126

Dear Ms. Galloway:

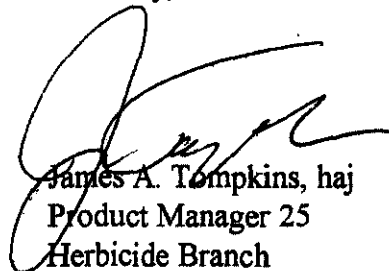
Subject: SSI Maxim Arsenal 5-G Herbicide  
EPA Registration Number 34913-24  
Application dated August 20, 2003

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended is acceptable, provided you make the following changes before you release the product for shipment.

1. Add "AND DOMESTIC ANIMALS" to "HAZARDS TO HUMANS" under PRECAUTIONARY STATEMENTS.
2. Add a statement that says:  
"Applicators and other handlers must wear:  
Long pants and long-sleeved shirt  
Socks and shoes  
Chemical resistant gloves made of any waterproof material"
3. Under "Application Instructions" remove "and other similar sites" from under use sites. Clearly spell out sites on which the product may be used.
4. Provide Spray Drift Mitigation language as outlined in attachment.

Submit three (3) copies of final printed labeling incorporating the above changes before you release the product for shipment. Amended labeling will supercede all previously accepted ones. A stamped copy of labeling is enclosed for your records.

Sincerely,



James A. Tompkins, haj  
Product Manager 25  
Herbicide Branch  
Registration Division (7505C)



Jim Tompkins

09/10/2003 07:30 AM

To:  
cc:  
cc:  
Subject:

### Spray 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.

1. Use the largest droplet size consistent with acceptable efficacy. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure. For groundboom and aerial applications, use medium or coarser spray nozzles according to ASAE 572 definition for standard nozzles or a volume mean diameter (VMD) of 300 microns or greater for spinning atomizer nozzles.
2. Make aerial or ground applications when the wind velocity favors on-target product deposition. Apply only when the wind speed is less than or equal to 10 mph. For all non-aerial applications, wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.
3. Do not make aerial or ground applications into areas of temperature inversions. Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. Where permissible by local regulations, the applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.
4. Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift. Avoid spraying during conditions of low humidity and/or high temperatures.
5. All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.
6. For ground boom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy.

# SSI MAXIM



Under the Federal Insecticide, Fungicide, and Rodenticide Act

SEP 10 2003

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

EPA Reg. No. 34913-24

5G

EPA Est. No. 39578-TX-1

## 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) .....

### OTHER INGREDIENTS .....

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.

### 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.

### FIRST AID

- |                         |  |
|-------------------------|--|
| IF IN EYES:             | <ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>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>  |
| IF ON SKIN OR CLOTHING: | <ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>  |
| IF SWALLOWED:           | <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> |

For emergency information, contact CHEMTREC at 1-800-424-9300 (24 hours).

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

### PHYSICAL AND CHEMICAL HAZARDS

SSI MAXIM ARSENAL® 5G herbicide should 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.

### 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 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.

### GENERAL INFORMATION

SSI MAXIM ARSENAL® 5G herbicide is applied for 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.

### 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 SSI Maxim Company. All such risks shall be assumed by the user. SSI Maxim Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use thereon 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. SSI Maxim 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 SSI MAXIM ARSENAL® 5G 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, petroleum tank farms, pumping installations, fence rows, storage areas, and other similar areas. SSI MAXIM ARSENAL® 5G herbicide may be applied anytime during the growing season before weeds have emerged.

### STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

### PESTICIDE STORAGE:

### PESTICIDE DISPOSAL:

### CONTAINER DISPOSAL:

DO NOT store below 10°F.

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

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.

### APPLICATION INSTRUCTIONS

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.e. imazapyr (20 lbs. of product) per acre.

A preemergent application of SSI MAXIM ARSENAL® 5G herbicide will provide residual control of the following target grass and broadleaf weed species.

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 noncropland sites such as railroad, utility, pipeline, and highway rights-of-way, utility plant sites, petroleum tank farms, pumping installations, non-impound ditch banks, and other similar areas.

Do not make more than one application per year.

### GRASSES

ANNUAL BLUEGRASS (*Poa annua*)  
BAHIA GRASS (*Paspalum notatum*)  
BEAR GRASS (*Andropogon* spp.)  
BERMUDA GRASS (*Cynodon dactylon*)  
BIG BLUESTEM (*Andropogon gerardii*)  
BROADLEAF SIGNAL GRASS (*Brachiaria platyphylla*)  
CANADA BLUEGRASS (*Poa compressa*)  
CATTAIL (*Typha* spp.)  
CHEAT (*Bromus secalinus*)  
CRAB GRASS (*Digitaria* spp.)  
DALLIS GRASS (*Paspalum dilatatum*)  
DOWRY BROME (*Bromus tectorum*)  
FALL PANICUM (*Panicum dichotomiflorum*)  
FEATHER TOP (*Pennisetum villosum*)  
FESCUE (*Festuca* spp.)  
FOXTAIL (*Setaria* spp.)  
GOOSEGRASS (*Elymus indica*)  
GUINEA GRASS (*Panicum maximum*)  
ITALIAN RYEGRASS (*Lolium multiflorum*)  
JOHNSONGRASS (*Sorghum halepense*)  
KENTUCKY BLUEGRASS (*Poa pratensis*)  
LOVEGRASS (*Eragrostis* spp.)  
ORCHARD GRASS (*Dactylis glomerata*)  
PARAGRASS (*Brachiaria mutica*)  
PHAROS GRASS (*Phragmites australis*)  
PRairie CORN GRASS (*Spartina patens*)  
PRairie THREEAWN (*Aristida oligantha*)  
QUACK GRASS (*Agropyron repens*)  
REED CANARY GRASS (*Phalaris amandina*)  
SALT GRASS (*Distichlis spicata*)  
SAND CROPS (Sporobolus cryptandrus)  
SANDBUR (*Conchus* spp.)  
SMOOTH BROME (*Bromus inermis*)  
ST. PASTURE (*Pennisetum purpureum*)  
TORPEDO GRASS (*Phytolacca repens*)  
VASEY GRASS (*Paspalum virgatum*)  
WILD BARLY (*Hordeum* spp.)  
WILD OATS (*Avena sativa*)  
WIRESTEM MUHLY (*Muhlenbergia lindosia*)  
WITCH GRASS (*Panicum capillare*)

### BROADLEAF WEEDS

BULL THISTLE (*Cirsium vulgare*)  
BURDOCK (*Arctium* spp.)  
CAMPHORWEED (*Heterotheca subulterata*)  
CANADA THISTLE (*Cirsium arvense*)  
CAROLINA GERANIUM (*Geranium carolinianum*)  
CARD (WEEED) (*Malva verticillata*)

CLOVER (*Trifolium* spp.)  
COCKLEBUR (*Xanthium strumarium*)  
COMMON CHICKWEED (*Stellaria media*)  
DANDELION (*Taraxacum officinale*)  
DOCK (*Rumex* spp.)  
DOGFENNEL (*Eupatorium capillifolium*)  
FILAREE (*Erodium* spp.)  
FLEABANE (*Erigeron* spp.)  
GOLDENROD (*Solidago* spp.)  
HOARY VERVAIN (*Verbena stricta*)  
INDIAN MUSTARD (*Brassica juncea*)  
KOCOA (*Kochia scoparia*)  
LAMBQUARTERS (*Chenopodium album*)  
LESPEDeza (*Lespedeza* spp.)  
LITTLE MALLOW (*Malva parviflora*)  
MILKWEED (*Asclepias* spp.)  
MINERS LETTUCE (*Montia perfoliata*)  
MULLEIN (*Verbascum* spp.)  
NETTLELEAF GOOSEFOOT (*Chenopodium murale*)  
OXYE DAISY (*Chrysanthemum leucanthemum*)  
PEPPERWEED (*Lepidium* spp.)  
PIGWEE (*Amaranthus* spp.)  
PLANTAIN (*Plantago* spp.)  
POKEWEED (*Phytolacca americana*)  
PRIMROSE (*Oenothera lundiana*)  
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*)  
WILD TURNIP (*Brassica campestris*)  
WOOLLYLEAF BURSAGE (*Ambrosia grayi*)  
YELLOW STAR THISTLE (*Centaurea solstitialis*)  
YELLOW WOODSORREL (*Oxalis stricta*)

### VINES AND BRAMBLES

BLACKBERRY (*Rubus* spp.)  
DEWBERRY (*Rubus* spp.)  
FIELD BINDWEED (*Convolvulus arvensis*)  
GREENBRIAR (*Smea* spp.)  
HEDGE BINDWEED (*Cassipoupa* spp.)

HONEYSUCKLE (*Lonicera* spp.)  
KUDZU (*Pueraria lobata*)  
MORNINGGLORY (*Ipomoea* spp.)  
POISON IVY (*Rhus radicans*)  
REDVINE (*Bumelia caribaea*)  
TRUMPET CREEPER (*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 TALLOW-TREE (*Sapium sebiferum*)  
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 (*Liquidambar styraciflua*)  
\*The degree of control may be species dependent.



SSI MAXIM COMPANY, INC.

P.O. Box 1954 • Kilgore, TX 75663 • 800-346-4781

Net contents: 40 pounds

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