



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 23, 2020

Tasha Lott  
Regulatory Agent  
SSI Maxim Company, Inc.  
c/o Landis International, Inc.  
P.O. Box 5126  
Valdosta, GA 31603

Subject: Label Amendment – minor changes  
Product Name: SSI Maxim Arsenal 0.5G Herbicide  
EPA Registration Number: 34913-23  
Application Date: 01/22/2020  
Decision Number: 559645

Dear Ms. Lott:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

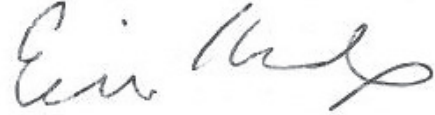
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Manjula Unnikrishnan by phone at 703-347-8520, or via email at [unnikrishnan.manjula@epa.gov](mailto:unnikrishnan.manjula@epa.gov).

Sincerely,

A handwritten signature in dark ink, appearing to read "Erik Kraft", written in a cursive style.

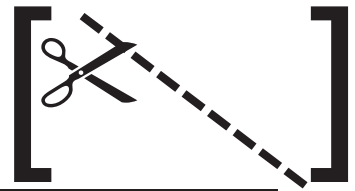
Erik Kraft, Product Manager 24  
Fungicide and Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

**ACCEPTED**

04/23/2020

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 34913-23



**SSI MAXIM**

**IMAZAPYR**

**GROUP 2**

**HERBICIDE**



## For Use In Noncrop and Riparian Areas

**ACTIVE INGREDIENT:**

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

**OTHER INGREDIENTS** .....99.5%

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

EPA Reg. No. 34913-23

EPA Est. No. 39578-TX-001

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

**PRECAUCION**

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

See additional Precautionary Statements and Directions for Use on Back Panel [For Pail Packaging]

See additional Precautionary Statements and Directions for Use on Side Panel and Inside Leaflet [For Jug Packaging]

**FIRST AID**

<b>IF IN EYES:</b>	<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>
<b>IF ON SKIN OR CLOTHING:</b>	<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>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>Move the person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <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> <li>Call a poison control center or doctor immediately for treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site:

[www.npic.orst.edu](http://www.npic.orst.edu))



**SSI MAXIM COMPANY, INC.**

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

Net contents: [11oz, 4lb, 40lb]

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

## CAUTION!

Harmful if absorbed through skin or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

#### 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 (except for pilots) (Some materials that are chemical-resistant to this product are polyethylene, polyvinyl chloride, barrier laminate, and butyl, nitrile, neoprene, and natural rubber.)

#### USER SAFETY REQUIREMENTS

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 absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

#### ENGINEERING CONTROLS

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)].

#### USER SAFETY RECOMMENDATIONS

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 0.5G 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 0.5G Herbicide in unlined steel (except stainless steel) containers.

#### 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 to water 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.

#### 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.

#### RESTRICTIONS

**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** enter or allow others to enter treated areas until dusts have settled. **DO NOT** apply directly to water bodies including lakes, streams, rivers, ponds. The use of treated waters on irrigated crops within 120 days of treatment is prohibited. **DO NOT** apply more than 300 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 for brush treatment.

Maximum single application use rate is 300lbs of product (1.5lbs active ingredient) per acre.

### PRODUCT INFORMATION

SSI MAXIM ARSENAL 0.5G Herbicide may be applied to noncrop and riparian areas for the control of most annual and perennial grasses and broadleaf weeds. SSI MAXIM ARSENAL 0.5G 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 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.

### RESISTANCE MANAGEMENT

Application sites should be scouted prior to application to identify the weed species present and their growth states to determine if the intended application will be effective. Application sites should also be scouted 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.

#### 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.

### MANDATORY SPRAY DRIFT REQUIREMENTS

#### Aerial Applications

- Do not release spray at a height greater than 10ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

#### Ground Applications

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or plant canopy.

- For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

#### Boom-less Ground Applications

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

### **SPRAY DRIFT ADVISORIES**

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.  
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

**IMPORTANCE OF DROPLET SIZE:** An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

#### **Controlling Droplet Size – Ground Boom**

- **Volume** – Increasing the spray volume so that the larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- **Pressure** – Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- **Spray Nozzle** – Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

#### **Controlling Droplet Size – Aircraft**

- **Adjust Nozzles** – Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

#### **BOOM HEIGHT – Ground Boom**

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

#### **RELEASE HEIGHT – Aircraft**

Higher release heights increase the potential for spray drift. When applying aerially to plants, do not release spray at a height greater than 10ft above the plant canopy, unless a greater application height is necessary for pilot safety.

#### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

#### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

#### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

#### **WIND**

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

#### Boom-less Ground Applications:

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

#### Handheld Technology Applications:

Take precautions to minimize spray drift.

## APPLICATION INSTRUCTIONS

Uniformly apply SSI MAXIM ARSENAL 0.5G Herbicide with properly calibrated aerial or ground equipment at a rate of 200 to 300 lbs of product (1.0 to 1.5 lbs. of active ingredient) per acre. Use only 1 application per year for herbaceous treatments and 1-2 applications per 10 years for brush treatment.

For smaller areas, apply 7.3 to 11 oz. of product (0.037 to 0.055 oz. of active ingredient) per 100 square feet.

Application of SSI MAXIM ARSENAL 0.5G Herbicide is for control of most annual and perennial grasses and broadleaf weeds on noncropland areas including railroad, utility, pipeline and highway rights-of-way, petroleum tank farms, pumping installations, 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 0.5G Herbicide may be applied anytime during the growing season before or after the weeds listed below have emerged.

SSI MAXIM ARSENAL 0.5G 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.

### GRASSES

ANNUAL BLUEGRASS (*Poa annual*)  
BAHIAGRASS (*Paspalum notatum*)  
BEARDGRASS (*Andropogon spp*)  
BERMUDAGRASS (*Cynodon dactylon*)  
BIG BLUESTEM (*Andropogon geradi*)  
BROADLEAF SIGNALGRASS (*Brachiaria platphylla*)  
CANADA BLUEGRASS (*Poa compressa*)  
CATTAIL (*Typha spp*)  
CHEAT (*Bromus secalinas*)  
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*)  
PRARIE CORDGRASS (*Spartina pectinata*)  
PRARIE THREEAWN (*Aristida oliganina*)  
QUACKGRASS (*Agropyron repens*)  
SAND DROPSEED (*Sporobolus cryptandrus*)  
SANDBUR (*Cenchrus spp*)  
SMOOTH BROME (*Bromus inermis*)

TIMOTHY (*Phleum pretense*)  
TORPEDOGRASS (*Panicum repens*)  
VASEYGRASS (*Paspalum urvillei*)  
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*)  
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*)  
LAMBSQUARTERS (*Chenopodium album*)

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*)  
PIGWEEED (*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 (*Daucus carota*)  
WILD LETTUCE (*Lactuca spp*)  
WILD PARSNIP (*Pastinaca sativa*)  
WILD TURNIP (*Brassica campestris*)  
WOOLLYLEAF BURSAGE (*Ambrosia grayi*)  
YELLOW STARTHISTLE (*Centaurea solstitialis*)  
YELLOW WOODSORREL (*Oxalis stricta*)



#### **STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store product in original container only, away from other pesticides, fertilizer, food, or feed.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**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 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.

**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) promptly after emptying. Then offer for recycling if available, 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.

20200121 – Label Amendment

20200422 - (e) Label Revisions