



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

November 05, 2024

### **SENT BY EMAIL**

Brien O'Loughlin  
brien@pyxisrc.com  
LOVELAND PRODUCTS, INC.

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 - Revised referral statement, contact information, add optional logos/graphics and other minor label revisions.  
Product Name: ASULAM HERBICIDE  
Admin Number: 34704-904  
EPA Receipt Date: 08/23/2023  
Action Case Number: 00472343

Dear Brien O'Loughlin:

The U.S. Environmental Protection Agency is in receipt of your application for notification under Pesticide Registration Notice 98-10 for the above referenced product. The EPA has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to your 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 EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the 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 EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

If you have questions, please contact Bewanda Alexander via email at [alexander.bewanda@epa.gov](mailto:alexander.bewanda@epa.gov).

Sincerely,

*Kable Bo Davis*

Kable Bo Davis, Senior Advisor  
FHB, RD  
Office of Pesticide Programs

ASULAM

GROUP

18

HERBICIDE

## ASULAM HERBICIDE

INTENDED FOR AGRICULTURAL OR COMMERCIAL USE ONLY

NOT INTENDED FOR USE BY HOMEOWNERS

For Postemergent Weed Control in Sugarcane, Turf, Ornamentals, Christmas Tree Plantings and Non-Cropland

ACTIVE INGREDIENT:	% By Wt.
Sodium salt of asulam (methyl sulfanilylcarbamate)* .....	36.2%
OTHER INGREDIENTS: .....	63.8%
TOTAL	100.0%

\*Equivalent to 33.1% asulam or not less than 3.34 pounds per gallon.

### KEEP OUT OF REACH OF CHILDREN CAUTION

[For] [Additional Precautionary Statements] [,] [Directions for Use] [,] [Storage and Disposal]  
[and] [Other Use Information] [,] [See] [Inside] [This] [Label] [Booklet] [.]

FIRST AID	
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 to 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If in eyes:	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15 to 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>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. <del>FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.</del> You may also contact Rocky Mountain Poison and Drug Safety at 1-866-944-8565 for emergency medical treatment information.	

**For Chemical Emergency:**  
**Spill, Leak, Fire, Exposure, or Accident,**  
**Call CHEMTREC Day or Night**

**Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)**

EPA ~~Reg. No.~~ **REG. NO.:** 34704-904

EPA EST. ~~No.~~ **NO.:**

**[(Letter in parenthesis designates first letter of lot number on product package.)]**

**NET CONTENTS: GAL (L)**

[Print code to be placed here]

**[LOT NO.]**

**[BAR CODE]**

### NOTIFICATION

34704-904

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

11/05/2024

~~FORMULATED~~ **MANUFACTURED** FOR:

LOVELAND PRODUCTS, INC.®, P.O. BOX 1286, GREELEY, ~~[CO]~~ **[COLORADO]** 80632-1286 ~~[,]~~ **[USA]**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:**

- Long-sleeve shirt, long pants, shoes, and socks.
- Chemical-resistant gloves (such as nitrile, butyl, neoprene, and/or barrier laminate),

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.

**ENGINEERING CONTROLS STATEMENT**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Pilots must use an enclosed cab that meets the definition listed in the Worker Protection Standard for agricultural pesticides [40 CFR 170.305].

**USER SAFETY RECOMMENDATIONS**

**Users Should:**

- Leave the treated area, remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

**ENVIRONMENTAL HAZARDS**

This chemical is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination. Surface water contamination may occur in areas with poorly draining soils and little or no buffers or in areas where drainage systems flow directly to surface water.

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 clean equipment or dispose of equipment washwater in a manner that will contaminate resources. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

**NON-TARGET ORGANISM ADVISORY STATEMENT:** This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

### 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 expectations pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 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,
- Chemical resistant gloves, and
- Shoes plus socks.

### WEED RESISTANCE MANAGEMENT

The active ingredient in Asulam Herbicide is asulam, which is a DHP (dihydropteroate) synthase inhibitor (Group 18). A given weed population may contain or develop resistance to a herbicide after repeated use. Appropriate resistance-management strategies should be followed to mitigate or delay resistance. If levels of control provided by applications of this product is reduced, and cannot be accounted for by factors such as misapplication, abnormal levels of target species or extremes of weather, it may be the case that target species have developed a strain resistant to applications of this product. Contact your local extension agent, crop advisor, or sales representative to find out if suspected resistant weeds have been found in your region.

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.

If resistance develops, this product may not provide sufficient control of target species. Where you suspect target species are developing resistance, contact State/local agricultural advisors. Integrated weed management guidelines promote an economically viable, environmentally sustainable, and socially acceptable weed control program regardless of the herbicide(s) used. The highlights of successful integrated weed management include:

1. Correctly identify weeds and look for trouble areas within field to identify resistance indicators.
2. Rotate crops.
3. Start the growing season with clean fields.
4. Rotate herbicide modes of action by using multiple modes of action during the growing season and apply no more than 2 applications of a single herbicide mode of action to the same field in a 2-year period. One method to accomplish this is to rotate herbicide tolerant trait systems.
5. Apply listed rates of herbicides to actively growing weeds at the correct time with the right application techniques.
6. Control any weeds that may have escaped the herbicide application.
7. Thoroughly clean field equipment between fields.
8. Scout before and after application.

[Report any incidence of non performance of this product against a particular weed species to your Loveland Products, Inc. retailer, representative or call 1-888-574-2878. For further information or to report suspected resistance contact Loveland Products, Inc. retailer, representative or call 1-888-\[LPI-CUST\] \[\(574-2878\)\]. You can also contact your pesticide distributor or university extension specialist to](#)

report resistance. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemicals means to remove escapes, as practical, with the goal of preventing further seed production.

### PRODUCT INFORMATION

Do not apply Asulam Herbicide through irrigation systems of any type.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift.

Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

### MANDATORY SPRAY DRIFT

#### Aerial Applications:

- Do not release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a coarse or coarser droplet size (ASABE S572.1).
- Applicators must use 1/2 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 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Do not apply during temperature inversions.

#### Ground Boom Applications:

- Apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser 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.

### 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 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

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.

#### 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.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

#### SPRAY DRIFT

##### 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.

### CHRISTMAS TREE PLANTINGS

Apply Asulam Herbicide as a postemergence application in the following species of Christmas tree plantings:

- Douglas fir
- Grand fir
- Noble fir
- Scotch pine

Apply this product as a spray mixture combined with water. Use a minimum of 20.0 gallons of solution per acre via ground application.

Weed	Rate of Asulam Herbicide	Directions
<del>Western Bracken</del> <u>Western Bracken</u> ( <i>Pteridium aquilinum</i> var. <i>pubescens</i> )	1.0 gal/A	Treat with Asulam Herbicide application solution following bud break and after firming/hardening of new tree growth.  Prior to application, target species must be in full frond.
<b>Restrictions:</b> <ul style="list-style-type: none"><li>• DO NOT graze or feed foliage from treated areas to livestock.</li><li>• DO NOT use a wetting agent with Asulam Herbicide.</li><li>• DO NOT apply this product via aerial application.</li><li>• Apply Asulam Herbicide a maximum of once per season.</li></ul>		

### SUGARCANE

Apply this product as a spray mixture combined with water to sugarcane grown from stubble or plant cane.

ASULAM HERBICIDE  
EPA REG. NO. 34704-904

Only apply Asulam Herbicide when weeds are growing, actively.

The application of fertilizer and/or some cultivation/cultural practices that disturb the target species root system may lead to sub optimal control of target species. Do not employ practices that will disturb the root system of target species for a minimum of 7 days before application of this product or for a minimum of 7 days after treatment with this product.

**IMPORTANT:** In Louisiana there have been reports of varying tolerances among crops to applications of Asulam Herbicide. For further information, refer to the local County Agent or University Extension Specialist.

In order to enhance weed control in sub-optimal environmental conditions, use one of the following adjuvants:

Adjuvant*	Directions
Crop Oil Concentrate	Must contain 15 to 20% non-ionic surfactant and 80 to 85% paraffin based petroleum oil.  Apply at the rate of 4.0 qts./100 gals. (1 % VA/) of application mixture.
Non-Ionic Surfactant	Must contain 80% active ingredient minimum.  Apply at the rate of 1.0 to 2.0 qts./100 gals. (0.25/0.5% VA/) of application mixture.

\*Adjuvants must be cleared for application in growing crops.

#### Ground Application

Depending on local application practice, apply Asulam Herbicide in 15.0 to 100 gallons of water per acre.

**Aerial Application:** Except in Hawaii, apply Asulam Herbicide in 3.0 to 5.0 gallons of water per acre.

In Hawaii, apply Asulam Herbicide in 5.0 to 10.0 gallons of water per acre.

In order to calculate the correct rate for banded application, use the following formula:

(Band width (in inches) ÷ Row Width (in inches))	X	Broadcast rate (see tables below)	=	Band Rate per acre
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#### Rates for broadcast application of Asulam Herbicide for a maximum of one application per season:

Weed	Rate of Asulam Herbicide	Directions
Alexandergrass ( <i>Brachiaria plantaginea</i> )	6.0 to 8.0 pt/A	Use the higher rate where the grass is greater than 8 inches in height.  Use the lower rate where grass is 6 to 8 inches in height or less.
Barnyardgrass ( <i>Echinochloa crusgali</i> )	6.0 to 8.0 pt/A	Use the higher rate where the grass is greater than 8 inches in height.  Use the lower rate where grass is 6 to 8 inches in height or less.
Broadleaf panicum ( <i>Panicum adspersum</i> )	6.0 to 8.0 pt/A	Use the higher rate where the grass is greater than 8 inches in height.  Use the lower rate where grass is 6 to 8 inches in height or less.
Crabgrass ( <i>Digitaria</i> spp.)	6.0 to 8.0 pt/A	Use the higher rate where the grass has reached the early seed head formation stage.  Use the lower rate where grass is yet to reach the seed head formation stage.
Foxtail ( <i>Setaria</i> spp.)	6.0to8.0-pt/A	Use the higher rate where the grass is greater than 8 inches in height.  Use the lower rate where grass is 6 to 8 inches in height or less.
Goosegrass ( <i>Eleusine indica</i> )	6.0 to 8.0 pt/A	Use the higher rate where the grass is greater than 8 inches in height.  Use the lower rate where grass is 6 to 8 inches in height or less.
Itchgrass or Raoulgrass	8.0 pt/A	Application mixture must be combined with a surfactant.



ASULAM HERBICIDE  
EPA REG. NO. 34704-904

<i>(Rottboellia exaltata)</i>		Apply this product when grass is a maximum of 8 inches in height.
Johnsongrass <i>(Sorghum halepense)</i>	8.0 pt/A	Apply Asulam Herbicide when grass is growing actively and is 12 to 18 inches in height.  At the time of application air temperature must be a minimum of 60 °F.
Paragrass or Californiagrass <i>(Brachiaria mutica</i> <del>or</del> <i>Panicum purpurascens)</i>	8.0 pt/A	Apply this product when grass is a. maximum of 6 to 8 inches in height.

Two applications of Asulam Herbicide in 1 season may be necessary where there are initially heavy infestations of target species, where rhizome Johnsongrass is present or when treating target species that germinate at different times during the growing season.

**Rates for broadcast application of Asulam Herbicide for 2 applications per season:**

Weed	Application 1: Rate of Asulam Herbicide	Application 2: Rate of Asulam Herbicide	Directions
Crabgrass <i>(Digitaria spp.)</i>	6.0 to 8.0 pt/A	6.0 to 8.0 pt/A	For the 1st and 2nd application, apply to grass before seed head formation.
Itchgrass or Raoulgrass <i>(Rottboellia exaltata)</i>	8.0 pt/A	8.0 pt/A	Application mixture must be combined with a surfactant.  For the 1st and 2nd application, grass must be a maximum of 8 inches in height.
Johnsongrass <i>(Sorghum halepense)</i>	8.0 pt/A	8.0 pt/A	For the 1st and 2nd application, grass must be 12 to 18 inches in height.

**Spot Treatment**

Apply Asulam Herbicide as a 5% v/v application spray (i.e. 1.0 gallon of Asulam Herbicide per 20.0 gallons of water).

**Restrictions:**

- When applying Asulam Herbicide as a spot treatment, do not exceed a maximum of 8.0 pints of this product per acre per application.
- Cover crops may be planted if they are plowed under and not used for grazing.
- Mainland USA (except Louisiana): DO NOT harvest crops for a minimum of 140 days following application of this product.
- Louisiana: DO NOT harvest crops for a minimum of 100 days following application of this product.
- Hawaii: DO NOT harvest crops for a minimum of 400 days following application of this product.
- DO NOT graze or feed sugarcane fodder to livestock.

**NON-CROPLAND**

Apply Asulam Herbicide for control of listed species as a postemergence application in non-cropland sites, for example, railroad rights-of-way and yards, utility rights-of-way and yards, highway and roadside rights-of-way, pipeline rights-of-ways, storage areas and industrial plant sites, warehouse lots, lumberyards, boundary fences and fence rows.

The application solution of Asulam Herbicide may be combined with an approved non-ionic surfactant at a rate of 0.25% by volume. Prepare this product as a single water mix treatment at a rate of 20.0 to 100 gallons of application solution (dependent on local practice) per acre. Apply to the target area as a ground application to control species listed in the table below.

Weed	Rate of Asulam Herbicide	Directions
Crabgrass <i>(Digitaria spp.)</i>	1.0 gal/A	Treat with Asulam Herbicide when grass is yet to reach the seed head formation stage.



ASULAM HERBICIDE  
EPA REG. NO. 34704-904

Johnsongrass ( <i>Sorghum halepense</i> )	1.0 gal/A	Treat with Asulam Herbicide when grass is a minimum of 18 inches in height. When applying as a spot treatment in HI, apply this product in 100 gal of solution. Do not exceed 50.0 gal total of application solution/A.
Paragrass or Californiagrass ( <i>Brachiaria mutica</i> <del>or</del> <i>Panicum purpurascens</i> )	1.0 gal/A	Treat with Asulam Herbicide when grass is yet to reach the seed head formation stage. When applying as a spot treatment in HI, apply this product in 100 gal of solution.  Do not exceed 50.0 gal total of application solution/A.
Western Bracken ( <i>Pteridium aquilinum</i> <i>var. pubescens</i> )	7.0 to 8.0 pt/A	Treat with Asulam Herbicide when ferns are in full frond.
<b>Restrictions:</b> <ul style="list-style-type: none"> <li>Do not apply this product via aerial application</li> <li>Apply Asulam Herbicide a maximum of once per season.</li> </ul>		

### TURF (Sod Farms Only)

Apply Asulam Herbicide in Tifway 419 Bermudagrass and St. Augustinegrass and turf as a postemergence treatment in order to control listed weeds (see table below).

Apply Asulam Herbicide as a spray solution in 20.0 to 50.0 gallons of water per acre.

Weed	Rate of Asulam Herbicide	Directions
Bullgrass ( <i>Paspalum supinum</i> ), Crabgrass ( <i>Digitaria</i> spp.), Goosegrass ( <i>Eieusine indica</i> )	5.0 pt/A	Apply Asulam Herbicide in St. Augustinegrass to control listed weed species.
Sandbur ( <i>Cenchrus</i> spp.)	5.0 pt/A	Apply Asulam Herbicide in Tifway 419 Bermudagrass to control listed weed species.
<b>Restrictions:</b> <ul style="list-style-type: none"> <li>Apply Asulam Herbicide a maximum of once per season.</li> <li>Do not combine a surfactant with the application solution of Asulam Herbicide.</li> <li>Do not treat freshly mown grass or to turf that is under stress.</li> </ul>		

### ORNAMENTALS

Apply this product as a single application. Apply as a postemergence broadcast treatment in a minimum of 20.0 gallons of water per acre. Use Asulam Herbicide to treat specified target species in the following ornamental species:

**Junipers:**

Juniperus Andorra, Juniperus chinensis, Juniperus conferta, Juniperus horizontalis, Juniperus litoralis, Juniperus Sabina

**Yews:**

Podocarpus macrophyllus, Taxus cuspidate, Taxus media

~~**Restrictions:**~~

- ~~Do not combine a surfactant with the application solution of Asulam Herbicide.~~

Weed	Rate of Asulam Herbicide	Directions
Barnyardgrass ( <i>Echinochloa crusgali</i> <i>Echinochloa crusgali</i> ) Crabgrass ( <i>Digitaria</i> spp.), Fall Panicum	1.0 gal/A	Apply to listed species between the early seedling stage and the early seed head formation stage.

ASULAM HERBICIDE  
EPA REG. NO. 34704-904

(Panicum dichotomiflorum) Foxtails (Setaria sp.) Goosegrass (Eleusine indica) HorseweedHorseweed (marestail) (Conyza canadensis)		
<b>Restrictions:</b> <ul style="list-style-type: none"> <li>Do not combine a surfactant with the application solution of Asulam Herbicide.</li> </ul>		

The use of Asulam Herbicide may be affected by local conditions. Refer to Consult Extension or Experiment Station and/or State Agricultural weed specialists for information on possible lower dosages and for guidance on local weed problems.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store at temperatures above 32 °F. Do not allow product to freeze.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of Asulam Herbicide may be disposed of on-site or at an approved waste disposal facility.

**CONTAINER HANDLING:** **[Nonrefillable container.]** Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at [www.acrecycle.org](http://www.acrecycle.org). If not recycled, then puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.]

**[For packages up to 5 gallons: Triple rinse as follows:]** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.]

**[For packages greater than 5 gallons and less than 56 gallons: Triple rinse as follows:]** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. **For packages greater than 56 gallons:** To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.]

**[For refillable containers:]** Refill this container with Asulam Herbicide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure

two more times. For final disposal, offer for recycling or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.<sup>1</sup>

**For help with any spill, leak, fire or exposure involving this material, call day or night CHEMTREC – 1-800-424-9300.**

### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**BEFORE BUYING OR USING THIS PRODUCT**, read the entire Directions for Use and the following Conditions of Sale and Limitation of Warranty and Liability. By buying or using this product, the buyer or user accepts the following Conditions of Sale and Limitation of Warranty and Liability, which no employee or agent of LOVELAND PRODUCTS, INC. or the seller is authorized to vary in any way.

Follow the Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop or other plant injury, ineffectiveness, or other unintended consequences may result from such risks as weather or crop conditions, mixture with other chemicals not specifically identified in this product's label, or use of this product contrary to the label instructions, all of which are beyond the control of LOVELAND PRODUCTS, INC. and the seller. The buyer or user of this product assumes all such inherent risks.

Subject to the foregoing inherent risks, LOVELAND PRODUCTS, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use when the product is used in strict accordance with such Directions for Use under normal conditions of use. EXCEPT AS WARRANTED IN THIS LABEL AND TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS PRODUCT IS SOLD "AS IS," AND LOVELAND PRODUCTS, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ELIGIBILITY OF THIS PRODUCT FOR ANY PARTICULAR TRADE USAGE.

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[Internal label code]

#### **{OPTIONAL GRAPHICS}**

{Note to Reviewer: The below graphic may appear anywhere on the label. Further, the below graphic may appear in various colors or black/white; not to impact legibility.}

<sup>1</sup>



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