



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

5905-603

Date of Issuance:

5/30/17

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

HM-1507 HERBICIDE

Name and Address of Registrant (include ZIP Code):

Bill Washburn  
Helena Chemical Company  
225 Schilling Boulevard, Suite 300  
Collierville, TN 38017

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Kathryn Montague, Product Manager 23  
Herbicide Branch, Registration Division (7505P)

Date:

5/30/17

2. You are required to comply with the data requirements described in the DCI Order identified below:
  - a. Fomesafen GDCI-108800-1508
  - b. You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:  
<http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>
3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 5905-603.”
5. Submit one copy of the final printed label for the record before you release the product for shipment.

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.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 01/18/2017

If you have any questions, please contact Grant Rowland by phone at 703-340-0254, or via email at [rowland.grant@epa.gov](mailto:rowland.grant@epa.gov).

Enclosure

<p><b>ACCEPTED</b></p> <p>05/30/2017</p> <p>Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 5905-603</p>
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GROUP 15 14 HERBICIDE

# HM-1507 HERBICIDE

For control of certain grasses and broadleaf weeds in soybeans and cotton

**Active Ingredients:**

S-metolachlor\* ..... 45.85%  
 Fomesafen\*\* ..... 10.04%

**Other Ingredients:** ..... 44.11%

**Total:** ..... 100.00%

Contains 4.40 lb. of S-metolachlor and 0.95 lb. of fomesafen active ingredient per gallon.

\*CAS No. 87392-12-9

\*\*CAS No. 108731-70-0

**KEEP OUT OF REACH OF CHILDREN.  
 DANGER/PELIGRO**

**Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted in detalle.  
 If you do not understand the label, find someone to explain it to you in detail.**

See additional precautionary statements and directions for use inside booklet.

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 swallowed</b>	<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 the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move 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 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>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOT LINE NUMBER	
For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call <b>1-800-888-8372</b>	

**EPA Reg. No. 5905-XXX**  
**EPA Est.**

**NET CONTENTS:** \_\_\_\_\_  
**AD xxxxxx**

Manufactured for  
 Helena Chemical Company  
 225 Schilling Boulevard, Suite 300  
 Collierville, TN 38017

## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**DANGER.** Causes irreversible eye damage. Do not get in eyes or on clothing. Wear (specify appropriate protective eyewear such as goggles, face shield, or safety glasses). 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.

Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### Personal Protective Equipment (PPE)

**Mixers, loaders, applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves: barrier laminate or Viton® ≥14 mils
- Shoes plus socks
- Protective eyewear such as goggles, face shield, or safety glasses.

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

Mixers and loaders supporting aerial applications are required to use closed systems. The closed system must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)]. When using the closed system, the mixers' and loaders' PPE requirements may be reduced or modified as specified in the WPS.

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.

### User Safety Recommendations:

#### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- 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

For Terrestrial Uses: 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 wash water or rinsate. Do not apply when weather conditions favor drift from target area.

### Ground Water Advisory

S-metolachlor is known to leach through soil into ground water under certain conditions as a result of label use. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

Fomesafen is known to leach through soil into ground water under certain conditions as a result of label use. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

### Surface Water Advisory

S-metolachlor has the potential to contaminate surface water through ground spray drift. Under some conditions, S-metolachlor may also have a high potential for runoff into surface water (primarily via

dissolution in runoff water) for several months post-application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, and areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

### **Mixing/Loading Instructions**

Care must be taken when using this product to prevent back-siphoning into wells, spills, or improper disposal of excess pesticide, spray mixtures, or rinsates. Check-valves or antisiphoning devices must be used on all mixing and/or irrigation equipment.

This product may not be mixed or loaded within 50 ft. of perennial or intermittent streams and rivers, natural or impounded lakes and reservoirs. This product may not be mixed/loaded or used within 50 ft. of all wells, including abandoned wells, drainage wells, and sink holes. Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 ft. of any well are prohibited, unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or wash water, and rain water that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad, which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment capacity of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above-specified minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site.

### **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. 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 regulation.

#### **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) and restricted-entry interval. 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 24 hours.**

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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, wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate or Viton
- Shoes plus socks
- Protective eyewear such as goggles, face shield, or safety glasses.

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.**

**NOTE: NOT FOR SALE, USE, OR DISTRIBUTION IN NASSAU COUNTY OR SUFFOLK COUNTY, NEW YORK.**

### **PRODUCT INFORMATION**

HM-1507 HERBICIDE is a selective herbicide for the control or partial control of certain grass, broadleaf and sedge weeds in soybeans. HM-1507 HERBICIDE may be applied as a preplant surface, preplant incorporated, preemergence, or postemergence treatment.

### **MODE OF ACTION**

HM-1507 HERBICIDE is a mixture of the active ingredients S-metolachlor and fomesafen. S-metolachlor is a biosynthesis inhibitor (Group 15 mode of action) preventing cell division in emerging weeds. Fomesafen is a protoporphyrinogen oxidase inhibitor (Group 14 mode of action) leading to cellular membrane disruption and plant death.

### **MIXING INSTRUCTIONS**

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean the spray equipment before using HM-1507 HERBICIDE. Vigorous agitation is necessary to maintain uniformity of the spray mixture. Maintain maximum agitation throughout the spraying operation. Do not allow spray mixture to stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

### **Application in Water or Fluid Fertilizers**

**HM-1507 HERBICIDE Alone:** Add 1/3 of the required amount of water or fluid fertilizer to the spray or mixing tank. With the agitator running, add HM-1507 HERBICIDE into the spray tank. Continue agitation while adding the remainder of the water or fluid fertilizer. Begin application of the spray solution after the HM-1507 HERBICIDE has completely dispersed in the water or fluid fertilizer. Maintain agitation until all of the mixture has been applied.

**HM-1507 HERBICIDE + Tank Mixtures:** Add 1/3 of the required amount of water or fluid fertilizer to the mix tank. Start the agitator running before adding any tank mix partners. In general, tank mix partners should be added in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables), liquid flowables, liquids such as HM-1507 HERBICIDE, and emulsifiable concentrates. Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

**Notes:** (1) When using HM-1507 HERBICIDE in tank mixtures, all products in water-soluble packaging should be added to the tank and mixed with plain water before any other tank mix partner, including HM-1507 HERBICIDE. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.

(2) Water-soluble packets will not properly dissolve in most spray solutions that contain fluid fertilizers.

If using HM-1507 HERBICIDE in a tank mixture, observe all directions for use, crop/sites, use rates, dilution ratios, precautions, and limitations that appear on the tank mix product label. No label dosage rate should be exceeded, and the most restrictive label precautions and limitations should be followed.

HM-1507 HERBICIDE is compatible with most common tank mix partners. However, the physical compatibility of HM-1507 HERBICIDE with tank mix partners should be tested before use. To determine the physical compatibility of HM-1507 HERBICIDE with other products, use a jar test, as described below.

**Note:** Do not use nitrogen solutions or fluid fertilizers as a complete or partial spray carrier when applying HM-1507 HERBICIDE as a postemergence application to soybeans as these combinations may cause crop injury.

### Compatibility Test

A jar test is recommended before tank mixing to ensure compatibility of HM-1507 HERBICIDE with other pesticides. The following test assumes a spray volume of 25 gal./A. For other spray volumes, make appropriate changes in the ingredients.

**Note:** Nitrogen solutions or complete fluid fertilizers may replace all or part of the water in the spray for preplant surface, preplant incorporated, or preemergence applications only. Because liquid fertilizers vary, even within the same analysis, **always check compatibility with pesticide(s) before use.** Incompatibility of tank mixtures is more common with suspensions of fertilizer and pesticides.

### Test Procedure

1. Add 1.0 pt. of carrier (fertilizer or water) to each of 2 one qt. jars with tight lids. **Note:** Use the same source of water that will be used for the tank mix and conduct the test at the temperature the tank mix will be applied.
2. To one of the jars, add 1/4 tsp. or 1.2 milliliters of a compatibility agent approved for this use, such as Compex® or Unite® (1/4 tsp. is equivalent to 2.0 pt./100 gals. spray). Shake or stir gently to mix.
3. To both jars, add the appropriate amount of pesticide(s) in their relative proportions based on recommended label rates. If more than one pesticide is used, add them separately with dry pesticides first, flowables next, and emulsifiable concentrates last. After each addition, shake or stir gently to thoroughly mix.
4. After adding all ingredients, put lids on and tighten, and invert each jar ten times to mix. Let the mixtures stand 15-30 minutes and then look for separation, large flakes, precipitates, gels, heavy oily film on the jar, or other signs of incompatibility. Determine if the compatibility agent is needed in the spray mixture by comparing the two jars. If either mixture separates, but can be remixed readily, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, test the following methods of improving compatibility: (a) Slurry the dry pesticide(s) in water before addition, or (b) add 1/2 the compatibility agent to the fertilizer or water and the other 1/2 to the emulsifiable concentrate or flowable pesticide before addition to the mixture. If incompatibility is still observed, do not use the mixture.
5. After compatibility testing is complete, dispose of any pesticide wastes in accordance with the **Storage and Disposal** section in this label.

## APPLICATION DIRECTIONS

### Activation

A small amount of soil moisture is required to activate HM-1507 HERBICIDE following application. In areas of low rainfall, a preemergence application to dry soil should be followed with light irrigation of 0.25-0.5 inch of water. As with many surface-applied herbicides, weed control and crop tolerance may vary with rainfall and/or soil texture. If rainfall or irrigation within 7-10 days does not occur, cultivate uniformly with shallow tilling equipment such as a rotary hoe that will not damage soybeans.

**Ground Application:** Apply HM-1507 HERBICIDE alone or in tank mixtures by ground equipment in a minimum of 10 gallons of spray mixture per acre, unless otherwise specified. Use sprayers that provide accurate and uniform application. Calibrate the sprayer before use at the beginning of the season. For HM-1507 HERBICIDE tank mixtures with wettable powder or dry flowable formulations, screens and strainers should be no finer than 50-mesh.

## Band Applications

Calculate the amount of herbicide needed for band treatment by the formula:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{broadcast rate per acre} = \text{amount needed per acre of field}$$

**Chemigation:** Do not apply HM-1507 HERBICIDE through any type of irrigation system.

**Aerial Application:** Apply HM-1507 HERBICIDE in water using a minimum spray volume of 5 gal./A. Avoid application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. Make applications at a maximum height of 10 ft. above the soybeans with low-drift nozzles at a maximum pressure of 40 psi.

Avoid application to humans or animals. Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin.

## Aerial Drift Management

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops.

1. The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they must be observed.

The applicator should be familiar with and take into account the information covered in the **Aerial Drift Reduction Advisory Information** section below.

## Aerial Drift Reduction Advisory Information Information on Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see **Wind, Temperature and Humidity**, and **Temperature Inversions**).

## Controlling Droplet Size

- **Volume** – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of nozzles** – Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** – Orienting nozzles so that the spray is released parallel to the air stream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type** – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.



### **Boom Length**

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

### **Application Height**

Applications should not be made at a height greater than 10 ft. above the top of the largest plants, unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

### **Swath Adjustment**

When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, smaller drops, etc.).

### **Wind**

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

### **Temperature and Humidity**

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

### **Temperature Inversions**

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified 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.

### **Sensitive Areas**

HM-1507 HERBICIDE should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

### **Cleaning Equipment After Application**

Because some crops, other than soybeans, are sensitive to low rates of HM-1507 HERBICIDE, special attention must be given to cleaning equipment before spraying a crop other than those registered for use and on this label. Mix only as much spray solution as needed. Immediately after spraying, clean equipment thoroughly using the following procedure:

1. Flush tank, hoses, boom, and nozzles with clean water.
2. Prepare a cleaning solution of one gal. of household ammonia per 50 gal. of water. Many commercial spray tank cleaners may be used as well. Consult your Syngenta representative for a partial listing of approved tank cleaners and more information about proper tank cleaning procedures. Do not use chlorine-based cleaners such as Clorox®.
3. When available, use a pressure washer to clean the inside of the spray tank with this solution. Take care to wash all parts of the tank, including the inside top surface. Completely fill the sprayer with the cleaning solution to ensure contact of the cleaning solution with all internal

surfaces of the tank and plumbing. Start agitation in the sprayer and thoroughly re-circulate the cleaning solution for **at least 15 minutes**. All visible deposits must be removed from the spraying system.

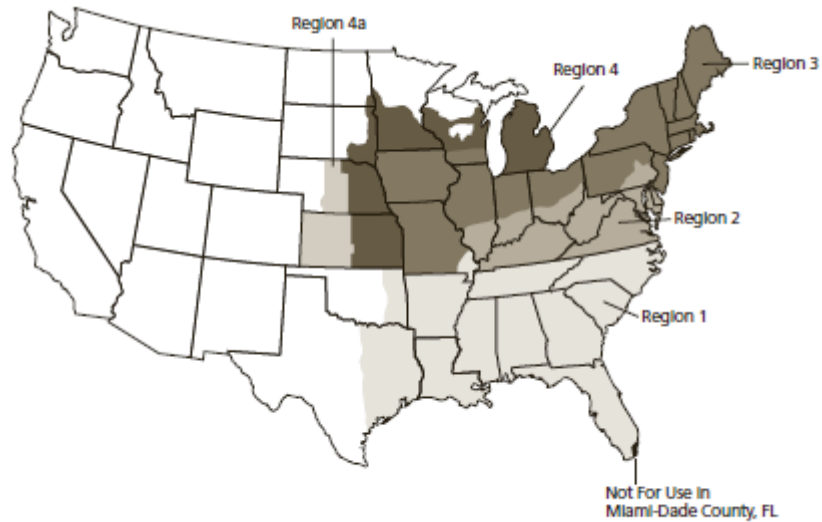
4. Flush hoses, spray lines, and nozzles for at least one minute with the cleaning solution.
5. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean water mark. Do not contaminate water when disposing of equipment wash water or rinsate. Do not apply when weather conditions favor drift from target area.
6. Repeat steps 2-5.
7. Remove nozzles, screens, diaphragm check valves and strainers and clean separately in the ammonia cleaning solution after completing the above procedures.
8. Rinse the complete spraying system with clean water.

## RESTRICTIONS AND PRECAUTIONS

- A maximum of 3 pt. of HM-1507 HERBICIDE (or a maximum of 0.375 lb. a.i./A of fomesafen from any product containing fomesafen: Flexstar®, HM-1507 HERBICIDE, or Reflex®) may be applied per acre per year in Region 1 (see Regional Use Map).
- A maximum of 3 pt. of HM-1507 HERBICIDE (or a maximum of 0.375 lb. a.i./A of fomesafen from any product containing fomesafen: Flexstar, HM-1507 HERBICIDE, or Reflex) may be applied per acre in ALTERNATE years in Region 2 (see Regional Use Map).
- A maximum of 2.5 pt. of HM-1507 HERBICIDE (or a maximum of 0.313 lb. a.i./A of fomesafen from any product containing fomesafen: Flexstar, HM-1507 HERBICIDE, or Reflex) may be applied per acre in ALTERNATE years in Region 3 (see Regional Use Map).
- A maximum of 2 pt. of HM-1507 HERBICIDE (or a maximum of 0.25 lb. a.i./A of fomesafen from any product containing fomesafen: Flexstar, HM-1507 HERBICIDE, or Reflex) may be applied per acre in ALTERNATE years in Region 4 (see Regional Use Map).
- A maximum of 2 pt. of HM-1507 HERBICIDE (or a maximum of 0.25 lb. a.i./A of fomesafen from any product containing fomesafen: Flexstar, HM-1507 HERBICIDE, or Reflex) may be applied per acre in ALTERNATE years in Region 4a (see Regional Use Map). Apply only to soybeans in Region 4a. Do not make a HM-1507 HERBICIDE application later than June 10th. Cumulative rainfall plus overhead irrigation must total 15 inches from the period of HM-1507 HERBICIDE application to soybean crop maturity to allow planting of rotational crops listed in this label (refer to Crop Rotation Intervals Following HM-1507 HERBICIDE Application section). If the soybean crop is lost or the required cumulative rainfall plus irrigation is not received as outlined above, plant only soybeans the following growing season.
- Avoid overlapping spray swaths, as injury may occur to rotational crops.
- Do not graze treated areas or harvest for forage or hay.
- Do not exceed 2.48 lb. a.i./A/crop of S-metolachlor (0.571 gallon/A HM-1507 HERBICIDE Herbicide).
- Do not exceed 2.48 lb a.i./A per year of S-metolachlor from applications of HM-1507 HERBICIDE or any other metolachlor-containing product.
- To prevent off-site movement due to runoff or wind erosion:
- Avoid treating powdery dry or light sand soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.
- Do not apply to impervious substrates, such as paved or highly compacted surfaces.
- Do not use tailwater from the first flood or furrow irrigation of treated fields to treat non-target crops, unless at least 1/2 inch of rainfall has occurred between application and the first irrigation.

## USE RATES AND WEEDS CONTROLLED

### HM-1507 HERBICIDE REGIONAL USE MAP



#### REGION 1 (Maximum Rate 3 pt./A per year)



**REGION 1** - Includes the following states or portion of states where HM-1507 HERBICIDE may be applied: Alabama, Arkansas, Florida (except Miami-Dade County), Georgia, Louisiana, Mississippi, Missouri (counties of Bollinger, Butler, Cape Girardeau, Dunklin, Madison, Mississippi, New Madrid, Pemiscot, Perry, Ripley, Scott, Stoddard and Wayne), North Carolina, Oklahoma (East of U.S. Highway 75 and East of Indian Nation Parkway), South Carolina, Tennessee, and Texas (includes area east of U. S. Highway 77 to State Road 239 including all of Calhoun County).

**REGION 2**  
(Maximum Rate 3 pt./A, alternate years)



**REGION 2** - Includes the following states or portion of states where HM-1507 HERBICIDE may be applied: Delaware, Kentucky, Maryland, Virginia, West Virginia, South of Interstate 70 in the following states: Illinois, Indiana and Ohio and all areas South of Interstate 80 to the intersection of U.S. Highway 15 and East of U.S. Highway 15 and U.S. Highway 522 in Pennsylvania.

**REGION 3**  
(Maximum Rate 2.5 pt./A, alternate years)



**REGION 3** - Includes the following states or portion of states where HM-1507 HERBICIDE may be applied: Connecticut, Iowa, Maine, Massachusetts, Missouri (all counties except for those listed in Region 1), New Hampshire, New Jersey, New York, Pennsylvania (all areas except those listed in Region 2), Rhode Island, Vermont and Wisconsin (South of U.S. Highway 18 between Prairie Du Chien and Madison, and South of Interstate 94 between Madison and Milwaukee), and North of Interstate 70 in following states: Indiana, Illinois and Ohio.

**REGION 4**  
(Maximum Rate 2 pt./A, alternate years)



**REGION 4** - Includes the following states or portion of states where HM-1507 HERBICIDE may be applied: Kansas (all counties east of or intersected by U.S. Highway 281), Michigan (Southern Peninsula), Minnesota (all areas South of Interstate 94), Nebraska (all counties east of or intersected by U.S. Highway 281), and Wisconsin (all areas, except those in Region 3, South of Interstate 94 from Minnesota state line to Eau Claire and South of U.S. Highway 29 from Eau Claire to Green Bay plus Barron, Chippewa, Clark, Door, Dunn, Eau Claire, Kewaunee, Marathon, Menominee, Oconto, Polk, Shawano, and St. Croix counties. The following counties are excluded: Adams, Marquette, Portage, Waupaca, Waushara and Wood). North Dakota (all areas East of Interstate 29 from Fargo south to the South Dakota state line). South Dakota (all areas East of Interstate 29 from the North Dakota state line to Watertown, all areas east of Highway 81 from Watertown to Madison and all areas East and South of State Road 34 and U.S. Highway 281 to the Nebraska state line).

**REGION 4a**  
(Maximum Rate 2 pt./A, alternate years\*)



**REGION 4a** - Includes the following portions of states where HM-1507 HERBICIDE may be applied: Kansas (all areas west of U.S. Highway 281 to the Colorado state line), and Nebraska (all areas that intersect west of U.S. Highway 281 and east of U.S. Highway 83).

**\* Note: Refer to the Restrictions and Precautions section for additional requirements that must be followed to use HM-1507 HERBICIDE in Region 4a.**

## Replanting

If replanting is necessary in fields previously treated with HM-1507 HERBICIDE, the field may be replanted to soybeans. During planting, a minimum of tillage is recommended. Do not apply a second application of HM-1507 HERBICIDE or any product that contains metolachlor, fomesafen, or S-metolachlor as crop injury or illegal residues may occur in harvested soybeans.

## Rotational Crops

Do not rotate to food or feed crops other than those listed below.

**Table 1: Crop Rotation Intervals Following HM-1507 HERBICIDE Application<sup>1</sup>**

Minimum Rotational Interval following HM-1507 HERBICIDE Application				
0 Months	1 Month	4.5 Months	10 Months	18 Months
Dry Bean, Snap Bean, Soybean	Cotton, Potato	Barley, Oat, Rye, Wheat	Corn*, Peanut, Pea, Pepper, Rice, Tomato	To avoid crop injury do not plant alfalfa, sugar beet, sunflower, sorghum**, or any other crops within 18 months.

<sup>1</sup> Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed. Stand reductions may occur in some areas.

Do not graze rotated small grain crops or harvest forage or straw for livestock.

\* Use a 12 month minimum rotation interval for popcorn in the states of Ohio, Kentucky, Illinois, Indiana, Iowa, and Region 4 when applied at 2.0 pints per acre or greater.

\* Use 18 month minimum rotation interval for sweet corn in the states of Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont.

\*\*Sorghum may be planted back after 10 months in Region 1.

## Rate Ranges

Where a rate range is within a soil texture/organic matter classification, use a lower rate on soils that are relatively coarse-textured and/or low in organic matter. Use a higher rate on soils that are relatively fine-textured and/or high in organic matter.

HM-1507 HERBICIDE, when applied as directed, will control or partially control the following weeds.

**Table 2: Weeds Controlled or Partially Controlled\* by HM-1507 HERBICIDE**

Annual Grasses - Control			
Barnyardgrass	Cupgrass, prairie	Goosegrass	Signalgrass, broadleaf
Crabgrass spp.	Cupgrass, southwestern	Junglerice	Witchgrass
Crowfootgrass	Foxtail spp.	Panicum, fall	
Annual Grasses - Partial Control			
Johnsongrass, seedling	Panicum, Texas	Red rice	Sandbur spp.
Shattercane			
Broadleaves - Control			
Carpetweed	Pennycress, field	Pusley, Florida	Spurge, spotted
Ecliptia	Pepperweed, Virginia	Ragweed, common	Starbur, bristly
Galinsoga spp.	Pigweed spp.	Redweed	Waterhemp spp.
Lambsquarters, common	Poinsettia, wild	Smartweed, ladythumb	
Nightshade, eastern black	Purslane, common	Smartweed, Pennsylvania	

<b>Broadleaves – Partial Control</b>			
Cocklebur, common	Morningglory spp.	Sida, prickly/Teaweed	
Horseweed/Marestail	Nightshade, hairy	Sunflower, common	
Jimsonweed	Ragweed, giant	Velvetleaf	
<b>Sedges – Partial Control</b>			
Nutsedge, yellow			

\* Partial control means significant activity, but not always at a level considered acceptable for commercial weed control.

## COTTON

### Post-Directed Application

Apply HM-1507 HERBICIDE in emerged cotton as a post-directed treatment using precision post-directed, hooded or shielded application equipment to provide complete coverage of emerged weeds.

Apply HM-1507 HERBICIDE at 2-2.33 pints per acre. HM-1507 HERBICIDE will control or partially control certain emerged broadleaf weeds such as hemp sesbania, waterhemp, pigweed species and morningglory species. Apply when broadleaf weeds have 2-4 true leaves in a minimum of 10 gallons spray solution per acre. HM-1507 HERBICIDE should be applied with a non-ionic surfactant at 0.25 to 0.5% v/v or crop oil concentrate at 1% v/v to emerged weeds if applied alone or in a tank mix with products that do not contain a built-in adjuvant. Do not add liquid nitrogen (28% or similar) to HM-1507 HERBICIDE, or HM-1507 HERBICIDE tank mixes in cotton. Refer to Table 2 for weeds controlled or partially controlled with soil activation of HM-1507 HERBICIDE if rainfall or irrigation occurs within 7-10 days after application.

To broaden the weed control spectrum, HM-1507 HERBICIDE may be tank mixed with other labeled postdirected herbicides such as Caparol, DSMA, Direx, Envoke®, Karmex, Layby™ Pro, MSMA, Suprend® or glyphosate (such as Touchdown® or Roundup® brands for use in glyphosate-tolerant cotton only). Refer to the tank-mix partner label for precautionary statements, restrictions, rates and a list of weeds controlled.

Cotton foliage is not tolerant to HM-1507 HERBICIDE applications. Avoid contact to cotton foliage and stems that are not fully barked as unacceptable injury will occur. Application equipment should be calibrated (spray pressure, nozzle type and configuration, and orifice size) to avoid fine spray droplets contacting green cotton stems and foliage.

### Post-Directed Application Timing in Cotton

HM-1507 HERBICIDE may be applied to cotton at least 6 inches in height through layby as a post-directed application. All post-directed applications should avoid spray contact with any green non-barked parts of the cotton plant or foliage as unacceptable injury will occur. Follow the application timing recommendations below for post-directed applications in cotton.

### Shielded and Hooded Applications

Make a precision post-directed HM-1507 HERBICIDE application to the base of the cotton plant avoiding contact with the cotton stem or foliage when cotton is at least 6 inches in height to avoid cotton injury. Use only hooded or shielded spray equipment to apply HM-1507 HERBICIDE in cotton that is at least 6 inches in height. Adjust nozzles to provide full coverage of emerged target weeds.

### Layby Applications

Make a post-directed HM-1507 HERBICIDE application to the base of the cotton plant avoiding contact with any non-barked portion of the cotton plant or foliage. Use precision post-directed equipment or

hooded or shielded sprayers on cotton that has developed a minimum of 4 inches of brown bark through layby. Application equipment should be configured to provide full coverage of emerged target weeds.

#### **Restrictions - Cotton**

- Do not apply HM-1507 HERBICIDE later than 80 days before harvest.
- Do not apply more than 2.33 pints per acre of HM-1507 HERBICIDE in any year and also adhere to the maximum rate that may be applied in each geographic region (refer to the HM-1507 HERBICIDE Regional Use Map).
- Do not graze or feed forage or fodder from cotton to livestock.

## **SOYBEAN**

### **HM-1507 HERBICIDE FOUNDATION TREATMENT FOR PLANNED TWO-PASS WEED CONTROL PROGRAMS IN ALL TILLAGE SYSTEMS**

HM-1507 HERBICIDE at 2 pt./A may be applied as a preemergence application on all soils to reduce competition from weeds for a period of up to 5 weeks when followed by a planned postemergence herbicide application in conventional and glyphosate-tolerant soybeans. Refer to Table 2 for weeds controlled or partially controlled. For the postemergence herbicide application, consult the selected postemergence herbicide manufacturer's label for weeds controlled, optimum weed size, application rate, additional use directions, precautions, and limitations before use.

**Preplant Surface Applied:** For minimum-tillage or no-tillage systems only, HM-1507 HERBICIDE may be applied at 2 pt./A prior to soybean planting. If weeds are present at the time of treatment, apply HM-1507 HERBICIDE in a tank mixture with a burndown herbicide (such as, Gramoxone® SL 2.0 or glyphosate brands). To the extent possible, minimize movement of treated soil out of the row or untreated soil to the surface during planting, or weed control will be diminished. Follow with a postemergence herbicide applied at the labeled rate and within the specific growth stage for soybeans and weed spectrum. Recommended postemergence treatments include any product or combination of products labeled to control the specific weeds remaining in the field, including glyphosate (such as, Touchdown or Roundup) brands (for use on glyphosate-tolerant soybeans only).

**Preplant Incorporated:** Apply HM-1507 HERBICIDE at 2 pt./A in conventional tillage systems where incorporation into the top 2 inches of soil occurs within 7 days after application using a finishing disk, harrow, rolling cultivator or similar implement capable of providing uniform 2-inch incorporation. Follow with a postemergence herbicide applied at the labeled rate and within the specific growth stage for soybeans and weed spectrum. Recommended postemergence treatments include any product or combination of products labeled to control the specific weeds remaining in the field, including glyphosate (for example, Touchdown or Roundup) brands (for use on glyphosate-tolerant soybeans only).

**Preemergence:** Apply HM-1507 HERBICIDE at 2 pt./A during planting (behind the planter), or after planting, but before weeds or soybeans emerge in conventional, conservation, or no-till systems. If weeds are present at the time of treatment, apply HM-1507 HERBICIDE in a tank mixture with a burndown herbicide (such as, Gramoxone SL 2.0 or glyphosate brands). Follow with a postemergence herbicide applied at the labeled rate and within the specific growth stage for soybeans and weed spectrum. Recommended postemergence treatments include any product or combination of products labeled to control the specific weeds remaining in the field, including glyphosate (such as, Touchdown or Roundup) brands (for use on glyphosate-tolerant soybeans only).

### **HM-1507 HERBICIDE IN CONVENTIONAL TILLAGE SYSTEMS**

For conventional tillage systems, HM-1507 HERBICIDE may be applied preplant incorporated or preemergence for control or partial control of weeds listed in Table 2. HM-1507 HERBICIDE may be applied alone, or in tank mix or followed sequentially with postemergence herbicides to broaden the weed control spectrum or control newly emerged weeds. Refer to Table 3 for HM-1507 HERBICIDE rates.



### Preplant Incorporated Application

Incorporate HM-1507 HERBICIDE uniformly into the top 2 inches of soil within 7 days after application and before planting using a disk, field cultivator, rolling cultivator, or similar implement. Apply HM-1507 HERBICIDE preplant incorporated if furrow irrigation is used or when a period of dry weather after application is expected.

### Preemergence Application

Apply during planting (behind the planter), or after planting, but before weeds or soybeans emerge. Dry weather following preemergence application of HM-1507 HERBICIDE may reduce effectiveness. If weeds develop, cultivate uniformly with shallow tilling equipment such as a rotary hoe that will not damage soybeans.

**Table 3: HM-1507 HERBICIDE Use Rates - Conventional Tillage Systems (Broadcast Rates)**

Soil Texture	Regions	Pints/A	
		0.5 to 3% Organic Matter	Over 3% Organic Matter
<b>COARSE</b> (Sand, loamy sand, sandy loam)	1, 2	2	2 - 2.25
	3	2	2 - 2.25
	4	2	2
<b>MEDIUM</b> (Loam, silt loam, silt)	1, 2	2.25 - 2.5	2.5 - 2.75
	3	2 - 2.25	2.25 - 2.5
	4	2	2
<b>FINE</b> (Sandy clay loam, sandy clay, silty clay, silty clay loam, clay, clay loam)	1, 2	2.75 - 3	2.75 - 3
	3	2.5*	2.5*
	4	2*	2*

\*If weeds emerge before full canopy closure, apply an appropriate postemergence product.

### HM-1507 HERBICIDE USE RATES FOR REDUCED AND NO-TILL SYSTEMS

#### Preplant Surface and Preemergence Application

HM-1507 HERBICIDE may be used in reduced-till and no-till systems. HM-1507 HERBICIDE may be applied up to 15 days before planting or preemergence, but before soybean emergence. For control or partial control of weeds listed in Table 2, use the high end of the rate range for HM-1507 HERBICIDE applications made 15 days before planting. Refer to Table 4 for HM-1507 HERBICIDE rates. If weeds are present at time of application, burndown herbicides may be tank mixed with HM-1507 HERBICIDE (see **Burndown Weed Control** section). HM-1507 HERBICIDE may be followed sequentially with postemergence herbicides to broaden the weed control spectrum or control newly emerged weeds.

**Table 4: HM-1507 HERBICIDE Use Rates for Reduced-Till and No-Till Systems (Broadcast Rates)**

Soil Texture	Regions	Pints/A
<b>COARSE</b> (Sand, loamy sand, sandy loam)	1, 2	2 - 2.25
	3	2 - 2.25
	4	2*
<b>MEDIUM</b> (Loam, silt loam, silt)	1, 2	2.5 - 2.75
	3	2.25 - 2.5
	4	2*
<b>FINE</b> (Sandy clay loam, sandy clay, silty clay, silty clay loam, clay, clay loam)	1, 2	2.75 - 3
	3	2.5*
	4	2*

\*If weeds emerge before full canopy closure, apply an appropriate postemergence product.

<sup>1</sup> Use the lower rate range for low residue level or soils with less than 3% organic matter. Use the higher rate range for high residue level or soils with greater than 3% organic matter.

## BURNDOWN WEED CONTROL

HM-1507 HERBICIDE can be used as part of a burndown herbicide program for control of existing vegetation prior to soybean planting and/or emergence in conservation tillage (reduced-tillage/no-till) systems. HM-1507 HERBICIDE may be tank mixed with 2,4-D low volatile ester (LVE), Gramoxone SL 2.0, glyphosate (such as, Touchdown or Roundup brands), Fusilade® DX, Fusion®, Poast Plus®, or Select® for control of emerged weeds prior to soybean planting or crop emergence. Refer to the tank mix product labels for specific rates, use directions, precautions, and limitations.

## HERBICIDES THAT MAY BE APPLIED POSTEMERGENCE FOLLOWING HM-1507 HERBICIDE

If required, application of HM-1507 HERBICIDE alone or in tank mixture may be followed by an application of a postemergence herbicide to provide additional control of certain weeds. Postemergence herbicides such as those listed below may be applied:

Aim®	Fusilade DX	Resource®
Arrow®	Fusion	Roundup Brands1
Assure® II	Harmony® GT XP	Scepter®
Basagran®	Liberty®2	Select
Classic®	Poast®	Synchrony® STS®
Cobra®	Poast Plus	Synchrony® XP
Extreme®1	Pursuit®	Touchdown Brands1
FirstRate®	Raptor®	Ultra Blazer®

<sup>1</sup> Use on glyphosate-tolerant soybeans only.

<sup>2</sup> Use on LibertyLink® soybeans only.

Refer to the above information and the individual product labels for use directions, use rates, and special precautions/restrictions.

## POSTEMERGENCE APPLICATION

HM-1507 HERBICIDE may be applied at 2-2.33 pt./A as an early postemergence application in soybeans. Necrotic spotting, bronzing, leaf crinkling or curling of soybean leaves may occur following postemergence application, but soybeans soon outgrow these effects and develop normally. Refer to Table 2 for weeds controlled or partially controlled with soil activation of HM-1507 HERBICIDE if rainfall or irrigation occurs within 7-10 days after postemergence application. HM-1507 HERBICIDE alone may control or partially control certain emerged broadleaf weeds, however, for broad spectrum control, tank mix HM-1507 HERBICIDE with glyphosate (such as Touchdown or Roundup brands) in glyphosate-tolerant soybeans only. Add nonionic surfactant (NIS) containing at least 75% surface-active agent, at 0.25% v/v to the final spray volume if HM-1507 HERBICIDE is applied alone or tank mixed with glyphosate products that do not contain a built-in adjuvant. Do not use crop oil concentrate (COC) when applying HM-1507 HERBICIDE postemergence as these spray adjuvants may increase soybean injury.

### Tank Mixtures for Postemergence Applications in Soybeans:

HM-1507 HERBICIDE may be tank mixed with one or more of the following herbicides:

Touchdown Brands\*  
Roundup Brands\*  
Glyphosate products (such as Glyphomax®)\*

\*Apply to glyphosate-tolerant soybeans only.

HM-1507 HERBICIDE may be tank mixed with one or more of the following insecticides:

Karate® Insecticide with Zeon Technology

Refer to this label and the labels of the tank mix partners for application methods and timings, precautionary statements, restrictions, rates, and weeds or insects controlled.

### **Restrictions and Use Precautions for Postemergence Application to Soybeans**

- Apply only in water as the carrier for postemergence applications.
- Do not use HM-1507 HERBICIDE postemergence on soybeans that are under stress including but not limited to that caused by drought, insect, disease, or injury from cultivation.
- Do not exceed 2.33 pt./A of HM-1507 HERBICIDE in a single postemergence application.
- Do not exceed 3.0 pt./A of HM-1507 HERBICIDE per acre per season. Refer to **Regional Use Map** for maximum rate that may be applied within a specific region.
- Do not exceed 2.48 lb a.i./A per year of S-metolachlor from applications of HM-1507 HERBICIDE or any other metolachlor-containing product.
- Make postemergence applications at least 90 days before harvest.
- Do not graze or feed treated forage or hay from soybeans to livestock following a postemergence application of HM-1507 HERBICIDE.

### **STORAGE AND DISPOSAL**

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

#### **Pesticide Storage**

This product will freeze at a temperature of approximately 5°F, but upon warming will thaw out to a fully homogeneous product.

#### **Pesticide Disposal**

Open dumping is prohibited. Wastes resulting from the use of this product are toxic. Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures. For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

#### **Container Handling [less than 5 gallons]**

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available.

Triple rinse container (or equivalent) promptly after emptying. 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. Then offer for recycling if available or puncture and 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.

#### **Container Handling [Bulk/Mini-Bulk]**

Refillable container. Refill this container with HM-1507 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 container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent 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. Then offer for recycling if available or puncture and 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.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately.

Take special care to contain spills, leaks, and other accidents to prevent further exposure of facilities and equipment. Absorb spilled product with absorbing materials and dispose of in an approved waste disposal facility. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

**CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER!**

**CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES**  
**Read the Conditions of Sale - Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.**

The directions on this label are believed to be reliable and must be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. To the extent consistent with applicable law, The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent consistent with applicable law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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Ultra Blazer® trademark of United Phosphorus, Inc.  
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