



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

September 25, 2020

Karen Cain  
Sr. Reg Manager  
Bayer Crop Science  
2 T.W. Alexander, P.O. Box 12014  
RTP, NC 27709

Subject: Registration Review Label Mitigation for Iodosulfuron-Methyl-Sodium  
Product Name: Hussar Herbicide  
EPA Registration Number: 264-820  
Application Dates: Jan 31, 2018  
Decision Numbers: 556434

Dear Ms. Cain:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Sulfonylurea (SU) Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

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.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

Page 2 of 2  
EPA Reg. No. 264-820  
Decision No. 556434

If you have any questions about this letter, please contact Darius Stanton by phone at 703-347-0433, or via email at [Stanton.darius@epa.gov](mailto:Stanton.darius@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure

# RESTRICTED USE PESTICIDE

## DUE TO TOXICITY CATEGORIES.

For retail sale to and use only by Certified Applicators or persons under the direct supervision and only for those uses covered by the Certified Applicator's certification. Child Resistant Packaging Required.

IODOSULFURON-METHYL-SODIUM GROUP 2 HERBICIDE

# Hussar<sup>®</sup> Herbicide

A Herbicide for the Control of Broadleaf Weeds in Winter and Spring Wheat (including Durum).

ACTIVE INGREDIENT: Iodosulfuron-Methyl-Sodium (CAS Number 144550-36-7)..... 5.0%

OTHER INGREDIENTS:..... 95.0%

TOTAL: 100.0%

This product is a water dispersible granule containing 5% of the active ingredient Iodosulfuron-methyl-sodium by weight.

EPA Reg No. 264-820

EPA Est. No.

## KEEP OUT OF REACH OF CHILDREN DANGER — PELIGRO

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

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

See [Back][Side] Panel for First Aid Instructions and [Leaflet][Booklet] for Complete Precautionary Statements and Directions for Use. (Note to reviewer: Location of additional precautionary statements, directions for use will vary between those listed, depending on container type/size.)

### FIRST AID

IF IN EYES:	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
IF SWALLOWED:	<ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor for treatment advice.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<p><b>For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.</b></p> <p><b>Have the product container or label with you when calling a poison control center or doctor or going for treatment.</b></p>	
<p><b>NOTE TO PHYSICIAN:</b> Immediately flood the eye with copious amounts of water for 20 minutes followed by an ophthalmologist evaluation if redness in the eye persists for more than three days.</p>	

**ACCEPTED**

Sep 25, 2020

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 264-820

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Harmful if swallowed or absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Wear: Long-sleeved shirt and long pants, Socks, Shoes, and chemical-resistant gloves (such as Natural Rubber, Selection Category A).

#### Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- socks plus shoes,
- chemical resistant gloves made of any waterproof material and
- protective eyewear.

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.

#### USER SAFETY RECOMMENDATIONS

##### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE 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.

#### Engineering control statement:

When handlers use closed systems or enclosed cabs 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.

#### ENVIRONMENTAL HAZARDS

This product is toxic to non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate any body of water and do not apply when/where conditions could favor runoff. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Do not drain or rinse equipment near desirable vegetation.

#### GROUNDWATER ADVISORY

This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

#### SURFACE WATER ADVISORY

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for weeks after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of iodosulfuron-methyl-sodium from runoff water and sediment. Runoff of this product will be greatly reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

#### 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 area. Protect the forage and habitat of non-target organisms by minimizing spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

## DIRECTIONS FOR USE

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

Do not use this product until you have read the entire label. 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 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 made of any waterproof material, socks, shoes and protective eyewear.

Hussar® Herbicide is a selective postemergence herbicide for use in spring, durum, and winter wheat for the control of annual broadleaf weeds.

### ENVIRONMENTAL and BIOLOGICAL ACTIVITY

Hussar Herbicide is absorbed mainly by the foliage of weeds and is active against many important broadleaf weeds (see list below for details). It is predominately a foliar herbicide with less activity via the soil. Hussar Herbicide will not reliably control weeds that emerge after spraying.

Environmental conditions which support vigorous growth of crop and weeds result in highest herbicidal activity. Speed of action depends on environmental conditions and increases with increasing temperature and moisture. Sensitive weeds quickly stop growing and no longer compete with the crop. Visible signs of activity include termination of plant development, yellowing and/or reddening of weeds, and finally plant death. Under favorable conditions plant death can occur within 3-4 weeks after application.

Abnormal environmental conditions (excess soil moisture or drought, extreme cold weather) can influence crop tolerance and herbicidal activity and may cause temporary damage to the crop or reduced levels of weed control. The result may be weed stunting rather than weed death. However, competition will be greatly reduced, and should permit normal crop development. In winter wheat, Hussar Herbicide can be applied either in the fall or spring.

### CROPS

Hussar Herbicide may be used on winter and spring wheat, including durum.

### SPRAY ADJUVANTS

Hussar Herbicide must be used with a spray adjuvant. The recommended spray adjuvant is non-ionic surfactant (NIS). Use only nonionic surfactants which are approved by EPA for use on food crops and which contain at least 80 percent active ingredient.

Non-ionic surfactants should be used at 0.25 – 0.5% in the spray solution. It is also recommended that spray grade nitrogen fertilizer be added. Use 28% or 32% UAN at 2 qts per acre or AMS at 3 lbs/acre.

Additives that lower the pH of the spray solution below pH 6 are not recommended. Best results are obtained at spray solution pH of 6.0-8.0.

### APPLICATION IN FLUID FERTILIZER

Hussar Herbicide may be applied using a liquid nitrogen solution as the spray carrier. For fall applications the fertilizer solution should not exceed 50% liquid nitrogen and not exceed 30 pounds of actual nitrogen per acre. A NIS surfactant at a maximum of 0.25% (v/v) is required in the spray solutions containing liquid nitrogen.

Due to the innate activity of fertilizer on the crop, temporary injury may result when liquid nitrogen is used as a spray carrier. Crop response symptoms due to the use of liquid nitrogen as a spray carrier may include discoloration or leaf burn. Spring applications of fertilizer solutions containing more than 50% liquid nitrogen may result in excessive leaf burn from the liquid nitrogen solution.

## HERBICIDE RESISTANCE MANAGEMENT (WSSA) RECOMMENDATIONS

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

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of Hussar Herbicide or other Group 2 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage ( or other mechanical control methods), cultural ( e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance contact Bayer CropScience at 1-866-99BAYER (1-866-992-2937). You can also contact your pesticide distributor or university extension specialist to report resistance.

## APPLICATION INSTRUCTIONS

Hussar Herbicide may be applied up to two times per 365 days, at least 14 days apart as a post emergence treatment in wheat. The maximum cumulative amount of Iodosulfuron-methyl-sodium active ingredient must not exceed 0.009 lbs ai per acre per 365 days (equivalent to 2.85 oz Hussar Herbicide). Apply Hussar Herbicide to the wheat crop between the 3-leaf stage up to jointing.

The most consistent weed control is obtained by applying Hussar Herbicide to broadleaf weeds before they are larger than 4 inches. The most consistent weed control is obtained by ensuring thorough spray coverage of the target weeds. Select spray volume to ensure optimum coverage.

Calibrate spray equipment before use. Apply Hussar Herbicide as a broadcast spray in 5 or more gallons of water per acre using ground application equipment. For weed control in dense canopies, use 15 to 20 gallons of water per acre. Heavy weed infestations should be treated before they become competitive with the crop.

Select spray nozzles that provide the best spray distribution and weed coverage at the appropriate spray pressure. Avoid uneven spray distribution, skips, overlaps, and spray drift.

Apply spray mixtures within 24 hours of mixing to avoid product degradation.

Do not apply by aerial application.

Do not apply Hussar Herbicide through irrigation systems.

Do not apply more than 2.85 oz per acre of Hussar Herbicide per 365 days.

See the *Spray Drift Management* section of this label for additional information on proper application of Hussar Herbicide.

## WEED CONTROL DIRECTIONS

### Rate Tables for Weed Control

Apply Hussar Herbicide at 0.7 – 2.85 oz per acre in the fall or spring to actively growing weeds. Select appropriate rate from options in the following table: *Weeds Controlled*.

Apply Hussar Herbicide before wheat begins to joint to avoid crop response.

### Weeds Controlled

Hussar Herbicide effectively controls the following weed when applied at the rates and weed stages shown and when weeds are actively growing.

## Weeds Controlled

Common name	Scientific name	Application Rates	
		0.7 oz/A	2.85 oz/A
<b>Broadleaves Controlled</b>		<b>Weed Height (inches)</b>	
Shepherdspurse	<i>Capsella bursa-pastoris</i>	1-3	1-4
Field pennycress	<i>Thlaspi arvense</i>	1-3	1-4
Tansy mustard	<i>Descurania pinnata</i>	1-3	1-4
Blue mustard	<i>Chorispora tenella</i>	1-3	1-4
Black mustard	<i>Brassica nigra</i>	1-3	1-4
Wild mustard	<i>Brassica kaber</i>	1-3	1-4
Volunteer canola	<i>Brassica rapa</i>	1-3	1-4
Pigweed	<i>Amaranthus retroflexus</i>	NA	1-4
Common chickweed	<i>Stellara media</i>	1-3	1-4
Henbit	<i>Lamium amplexicaule</i>	1-3	1-4
Corn buttercup	<i>Ranunculus arvensis</i>	1-3	1-4
Wild radish	<i>Raphanus raphanistrum</i>	1-3	1-4
Cleavers	<i>Galium aparine</i>	1-3	1-4
Hempnettle	<i>Galeopsis tetrahit</i>	1-3	1-4
Russian thistle	<i>Salsola kali</i>	NA	1-4
Turnipweed	<i>Rapistrum rugosum</i>	1-3	1-4
Scentless chamomile	<i>Matricaria inodora</i>	1-3	1-4
Sunflower	<i>Helianthus annuus</i>	1-3	1-4
<b>Broadleaves Suppressed</b>		<b>Weed Height (inches)</b>	
Flixweed	<i>Descurania sophia</i>	1-3	1-4
Pigweed	<i>Amaranthus retroflexus</i>	1-3	NA
Russian thistle	<i>Salsola kali</i>	1-3	NA
Common vetch	<i>Vicia sativa</i>	1-3	1-4
Storksbill	<i>Erodium cicutarium</i>	1-3	1-4
Purslane	<i>Portulaca oleracea</i>	1-3	1-4
Annual knawel	<i>Scleranthus annuus</i>	1-3	1-4
Lambsquarters	<i>Chenopodium album</i>	1-3	1-4
Cowcockle	<i>Vaccaria pyramidata</i>	1-3	1-4
Common ragweed	<i>Ambrosia elatior</i>	1-3	1-4

ALS-resistance exists in some weed biotypes. These biotypes will not be controlled by Hussar Herbicide. Consider using herbicides with other modes of action. When applying Hussar Herbicide in spring applications to winter wheat, allow weeds to recover from cold weather and start active growth.

### TANKMIXES

For broad-spectrum control of both annual grass and broadleaf weeds, Hussar Herbicide may be mixed with the herbicides listed below. With all tank-mix partners, read and follow use directions, rates, precautions, timing and growth stage limitations, recropping restrictions, grazing interval restrictions, and directions on herbicide and surfactant labels. A non-ionic surfactant is always required with Hussar Herbicide (see *Surfactant* section).

## Tank Mixture Partners

2,4-D amine <sup>2</sup>	Discover <sup>®</sup> Herbicide	Olympus <sup>™</sup> Herbicide
Axial <sup>™</sup> XL Herbicide	Harmony <sup>®</sup> Extra Herbicide	Puma <sup>®</sup> 1EC Herbicide
Buctril <sup>®</sup> Herbicide	Maverick <sup>®</sup> Herbicide	Rimfire <sup>™</sup> Max Herbicide
Curtail <sup>®</sup> M Herbicide	MCPA amine	Stinger <sup>™</sup> Herbicide
Dicamba <sup>1</sup>	MCPA LV ester	Puma <sup>®</sup> 1EC Herbicide

<sup>1</sup> Banvel/Clarity types.

<sup>2</sup> Applications must be made when weeds are no larger than 3 inches in height.

## COMPATIBILITY

If Hussar Herbicide is to be tank mixed with other herbicides, compatibility should be tested prior to mixing. To test for compatibility, use a small container and mix a small amount (0.5 to 1qt) of spray solution, combining all ingredients in the same ratio as the anticipated use. If any indications of physical incompatibility develop, do not use this mixture for spraying. Indications of incompatibility usually occur within 5-15 minutes after mixing. Read and follow the label of each tank mix product used for precautionary statements, directions for use, geographic and other restrictions. Indications of incompatibility include separation in the mix, and either clumping or clabbering of the mixture.

## MIXING INSTRUCTIONS

Ensure the spray tank is clean. In-line strainers and nozzle screens should be clean and 50 mesh or coarser.

1. Fill the spray tank 1/4 to 1/2 full with clean water and begin agitation or bypass.
2. Add the appropriate rate of Hussar Herbicide, as determined under *Application Rates*, directly to the spray tank. Maintain sufficient agitation during both mixing and application.
3. Add the broadleaf weed herbicide.
4. Add the surfactant.
5. Fill the spray tank with balance of water needed.
6. Maintain sufficient agitation during both mixing and application of Hussar Herbicide.

## RE-SUSPENDING WG PRODUCTS IN SPRAY SOLUTION

Hussar Herbicide may settle if left standing without agitation. If the spray solution is allowed to stand for one hour or more, re-agitate the spray solution for a minimum of 10 minutes before application.

## TANK CLEANUP PROCEDURE

1. Drain the tank completely, and then wash out tank, boom and hoses with clean water. Drain again.
2. Half fill the tank with clean water and add ammonia (i.e., 3% domestic ammonia solution) at a dilution rate of 1% (i.e., 1 gallon of domestic ammonia for every 100 gallons of rinsate). Complete filling of the tank with water. Agitate/recirculate and flush through boom and hoses. Leave agitation on for 10 minutes. Drain tank completely.
3. Repeat step 2
4. Remove nozzles and screens and soak them in a 1% ammonia solution. Inspect nozzles and screens and remove visible residues.
5. Flush tank, boom, and hoses with clean water.
6. Inspect tank for visible residues. If present, repeat step 2.



## SPRAY DRIFT MANAGEMENT

Do not apply by aerial application. Hussar Herbicide is not volatile. Damage to sensitive non-targeted plants can occur as a result of spray drift. Spray drift can be managed by several application factors and by spraying in the proper climatic conditions. Because of this, spray drift to sensitive crops is the responsibility of the applicator.

### SPRAY DRIFT

#### Ground Boom Applications

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy unless making a turf, pasture, or rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- For all other applications, 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.

#### GROUND BOOM

##### Controlling Droplet Size

- Volume – Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for 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.

##### Boom Height

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.

#### 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.

#### Windblown Soil Particles Advisory

Hussar Herbicide has the potential to move off-site due to wind erosion. Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter content. Other factors which can affect the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying Hussar Herbicide if prevailing local conditions may be expected to result in off-site movement.

#### ROTATIONAL CROP RESTRICTIONS

Hussar Herbicide breakdown in the soil is due mainly to microbial activity. It can be affected by soil temperature, pH, and moisture. Conditions that accelerate the breakdown of Hussar Herbicide include low soil pH, adequate soil moisture and adequate soil temperature to support microbial activity. Likewise, Hussar Herbicide breakdown can be slowed under high soil pH, dry, and cold conditions. When considering crop rotations, in addition to soil pH, the soil moisture and soil temperature conditions since application should be monitored. It is not recommended that Hussar Herbicide be used on soils with a pH greater than 7.9.

**Oklahoma, Kansas, Nebraska, Texas, Colorado\***

Crop	Soil pH	Cumulative Precipitation (Inches)	Rotation Interval (Months)
Wheat	7.9 or lower	No restrictions	1 day
Proso Millet	7.9 or lower	No restrictions	10
Sorghum (grain)	7.9 or lower	No restrictions	10
Field Corn	7.9 or lower	15	12
Cotton	7.9 or lower	30	22
Flax Safflower Sunflower	7.9 or lower	No restrictions	22
Soybean	Soil pH 7.5 or lower	22	22
Soybean	Soil pH 7.6-7.9	33	34

**Washington, Oregon, Idaho \***

Crop	Soil pH	Cumulative Precipitation (Inches)	Rotation Interval (Months)
Wheat	7.9 or lower	No restrictions	1 day
Field Peas	7.9 or lower	18	15
Canola	7.9 or lower	18	22
Lentils	7.9 or lower	18	34

**Montana, Wyoming, South Dakota\***

Crop	Soil pH	Cumulative Precipitation (Inches)	Rotation Interval (Months)
Wheat	7.9 or lower	No restrictions	1 day
Proso Millet	7.9 or lower	22	22
Sorghum (grain)	7.9 or lower	22	22
Field Corn	7.9 or lower	22	22

\* **NOTE:** In areas where a crop is not specified or the accumulated precipitation was less than specified above, conduct a field bioassay as described in the *Field Bioassay* section of the label.

**FIELD BIOASSAY**

A field bioassay must be conducted for crops not listed on this label and for crops where cumulative precipitation requirements are not satisfied or for crops listed on the label for which a shorter plant-back interval than listed is desired.

To conduct a field bioassay, plant strips of the crop you want to grow the season following Hussar Herbicide application. Monitor the crop for response to Hussar Herbicide to determine if the crop can be grown safely in previously treated Hussar Herbicide areas.

**PREHARVEST INTERVAL INFORMATION**

Wheat may be harvested for grain and straw within 55 days of Hussar Herbicide application. Wheat forage may be harvested 21 days after last application. Wheat hay may be harvested 50 days after last application.

**USE PRECAUTIONS**

- Hussar Herbicide is rainfast 6 hours after application to most weed species. Rainfall within 6 hours may necessitate retreatment or may result in reduced weed control. Applications should be made to actively growing weeds. Weed control may be reduced if application is made when weeds are dust covered or in the presence of heavy dew, fog, and mist/rain or when weeds are under stress due to drought, cold temperatures, etc.
- Do not apply to wheat not actively growing due to cold and wet conditions or drought stress.
- Use the spray adjuvants recommended on this label.

## USE RESTRICTIONS

- Do not apply to any crop other than wheat.
- Do not apply Hussar Herbicide to wheat undersown with grass and legume species.
- Do not apply when wind causes drift to off-site vegetation as injury may occur. Small amounts of Hussar Herbicide via drift or tank contamination can cause severe damage to all other crops other than wheat and barley. Careful management of spray drift and tank cleanout is required.
- In order to minimize risk to non-target plants, do not apply when the wind direction is toward sensitive areas (bodies of water, known habitats for threatened or endangered plants, areas designated for ecological preservation) that are immediately adjacent to the treatment area and leave a 15 ft buffer between the application area and an adjacent sensitive area.
- The maximum amount of iodosulfuron-methyl-sodium active ingredient allowed is 0.009 lb per acre and is equivalent to 2.85 oz of Hussar Herbicide per acre. All herbicide products containing this active ingredient used on the same acre, contribute to the maximum amount of iodosulfuron-methyl-sodium allowed. Do not exceed 0.009 lb iodosulfuron-methyl-sodium per acre in total from all products used in a 365 day period.
- Up to 2 applications may be made per 365 days. A repeat application may be made after 14 days, but do not exceed 2.85 oz of Hussar Herbicide per acre per 365 days.
- Wheat may be harvested for grain and straw 55 days after Hussar Herbicide application. Wheat forage may be harvested 21 days after last application. Wheat hay may be harvested 50 days after last application.
- Do not apply this product by aerial application.
- Do not apply this product through any type of irrigation system.

## STORAGE AND DISPOSAL

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

### PESTICIDE STORAGE:

Keep container tightly closed when not in use. Avoid cross contamination with other pesticides.

### PESTICIDE DISPOSAL:

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

## CONTAINER HANDLING

### Non-Refillable Containers

#### Rigid, Non-refillable containers (equal to or less than 5 gallons)

Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure 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.

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.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

#### Rigid Non-refillable Containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs)

Non-refillable container. Do not reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

#### Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal.

Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

**Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, and Kegs)**

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

**Non-Refillable Fiber Drums with Liners**

Non-refillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

**Non-Rigid, Non-refillable Containers**

Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities."

**Refillable Containers**

Refillable container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows. Refill this container with pesticide only. Do not reuse this container for any other purpose. Contact your Ag retailer or Bayer CropScience for container return, disposal and recycling information.

**Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing 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 pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

**Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)**

Triple rinsing 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 triple rinse the containers before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

End users are authorized to remove tamper-evident cables as required to remove the product from the container unless the container is equipped with one-way valves and refilling or returning is planned. If this is the case, end-users are not authorized to remove tamper-evident cables, remove one-way valves, or clean container.

**IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. All such risks shall be assumed by the user or buyer.

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**NET CONTENTS: 14.24 Ounces, [Various Sizes] (when packed in plastic containers)**

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Produced for



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