

# Hussar<sup>®</sup>

**Net contents : 600 g**

## ***Herbicide***

Claim statement: Selective post-emergence herbicide for the control of certain broad-leaved and grass weeds in autumn and spring-sown wheat, durum wheat, triticale, ryecorn and barley

Contains: 50g /kg iodosulfuron-methyl-sodium and 150g/kg mefenpyr-diethyl(safener) in the form of a water dispersible granule

Registered pursuant to the ACVM Act 1997, No P7047  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

Approved pursuant to the HSNO Act 1996, No HSR000065  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

### **DG Information**



UN 3082  
PROPER SHIPPING NAME  
PACKING GROUP III  
CLASS 9  
HAZCHEM CODE

IN A TRANSPORT EMERGENCY DIAL 111 POLICE OR FIRE BRIGADE



24/03/2023

**DANGER****HSNO Classifications:**

Causes serious eye damage  
 Very toxic to aquatic life with long lasting effects  
 Very toxic to the soil environment

**PRECAUTIONS:**

Read label before use  
 Do not eat, drink or smoke while using this product.  
 Remove protective clothing and wash hands and face thoroughly before meals and after work.  
 Avoid contact with the skin and eyes  
 Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area  
 Do not apply directly into or onto water

**PERSONAL PROTECTION:**

When handling, wear full protective clothing such as impervious gloves, respirator, waterproof hat, coat and trousers (worn outside rubber boots).

**STORAGE:** Store in original container tightly closed and in a locked dry, cool, well-ventilated area, away from foodstuffs.

**SPILLS AND DISPOSAL:** When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section.

Contain the spill by damming, recover spilt product by absorbing with sawdust or an inert absorbent material then transfer the recovered spilt material to a properly labelled drum. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

**Disposal:** Dispose of this product only by using according to the label or at an approved landfill. Avoid contamination of any water supply with product or empty container.

**Container Disposal:** Triple rinse container and add residue to mixture. Take to an Agrecovery collection site.

**FIRST AID:**

If swallowed, do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin contact occurs, remove contaminated clothing and flush skin with running water. If splashed in eyes, wash out immediately with water, if irritation persists get medical advice. If inhaled, move the victim to fresh air immediately.

**BEWARE: APPLY THIS PRODUCT CAREFULLY. SPRAY DRIFT MAY CAUSE SERIOUS DAMAGE TO OTHER DESIRABLE PLANTS.**



24/03/2023

**Hussar** is a selective post-emergence herbicide for the control of certain broad-leaved and grass weeds in wheat, durum wheat, triticale, ryecorn and barley.

### DIRECTIONS FOR USE:

**MIXING:** Half fill the spray tank with water, then with agitation in motion, add the correct amount of **Hussar** directly into the spray tank. Add other relevant compatible pesticides and finally, add an esterified vegetable oil e.g. Hasten®, Partner® or similar. Complete filling the tank with agitators in motion.

Agitation must continue before and during spraying.

**Surfactant:** The addition of an esterified vegetable oil e.g. Hasten®, Partner® or similar is essential for control.

**Application:** Apply through any standard crop sprayer capable of giving uniform coverage at a spray volume of 200 - 300 l/ha. Use spray pressures of at least 200 kPa and select nozzles capable of producing fine spray droplets. Avoid overlaps.

### RESISTANCE MANAGEMENT

Group	2	Herbicide
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**Hussar** is a member of the sulfonyl urea group of herbicides and inhibits ALS. Some naturally occurring weed biotypes resistant to **Hussar** and other ALS herbicides may exist through normal genetic variability in any weed population. Resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. Resistant weeds will not be controlled by **Hussar** or other ALS herbicides. Since occurrence of resistant weeds is difficult to detect prior to use, Bayer accepts no liability for any losses that may result from failure of **Hussar** to control resistant weeds. Chickweed biotypes resistant to Glean® have been identified. To prevent or delay the development of resistance, use **Hussar** in tank mixes where appropriate and/or in rotations with herbicides with a different mode of action effective on the same weed species

### RECOMMENDATION:

For the control of certain broad-leaved and grass weeds in all winter and spring sown cereals except oats.

Apply 150 g/ha Hussar with 1 litre/ha of an esterified vegetable oil e.g. Hasten®, Partner® or similar around the tillering stage of the crop but before, weeds reach the maximum growth stage specified. Do not apply to crops other than wheat, barley, ryecorn, triticale or durum wheat.

### CROP SAFETY

Do not apply to crops under stress. Hussar can be used on all commercial cereal cultivars up to the 2nd node stage. Some minor temporary chlorosis and/or stunting may occur.

WEEDS CONTROLLED AT 150 G/HA + esterified vegetable oil e.g. Hasten®, Partner® or similar at 1 litre/ ha.



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24/03/2023

Broad-leaved Weeds	Weed size	Grass Weeds	Weed size
Broad-leaved dock	Up to 8 leaf	Annual poa	Up to 2 tiller
Californian thistle	10-15 cm tall	Forage tall fescue	Up to 2 tiller
Chickweed	Up to 8 leaf	Grazing phalaris	Up to 2 tiller
Cleavers	2-3 whorl	Lesser canary grass	Up to 2 tiller
Fathen	Up to 8 leaf	Ryegrass-annual	Up to 2 tiller
Hawkesbeard	Up to 6 leaf	Ryegrass-hybrid	Up to 2 tiller
Hedge mustard	Up to 8 leaf	Ryegrass-perennial	Up to 2 tiller

Henbit	Up to 8 leaf	
Mouse-ear chickweed	Up to 6 leaf	<b>Incomplete Control</b>
Nipplewort	Up to 6 leaf	Field pansy
Oxtongue	Up to 6 leaf	Parsley piert
Rayless chamomile	Up to 8 leaf	Speedwell
Red deadnettle	Up to 8 leaf	Staggerweed
Shepherd's purse	Up to 8 leaf	Browntop
Sow thistle	Up to 8 leaf	Cocksfoot
Spurrey	Up to 8 whorl	
Stinking mayweed	Up to 6 leaf	
Twin cress	Up to 8 leaf	

White clover	6 to 10 leaf	<b>Not Controlled</b>
Willow weed	Up to 6 leaf	ALS resistant Chickweed
Wireweed	Up to 6 leaf	Black nightshade
Yarrow	6 to 8 leaf	Brome Spp.
Yellow gromwell	Up to 8 leaf	

Best results are obtained from applications made to small actively growing weeds.  
Weeds that are stressed may be suppressed only.  
Some weeds emerging after application may not be controlled

#### **RESTRICTIONS:**

**RAINFALL:** Do not apply if rainfall is expected within 2 hours.

**Undersown Crops:** Do not apply to cereals undersown with grasses, clovers or other susceptible crops.

#### **Crop Rotation Recommendations**

In the event of a crop failure, allow the following intervals before sowing these crops:

Time - Months	Crops Safely Sown
0	Wheat, Barley, Maize
1	Peas, Beans, Oats
2	Ryegrass, Kale, Turnips
3	Clover and Pasture mixes

Thorough cultivation may allow these intervals to be reduced.

**It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.**

#### **WITHHOLDING PERIOD:**

Silage/Grazing: barley 28 days, other cereals (except barley) 56 days.

#### **Sprayer Clean Up**

Failure to clean residues from spraying equipment can result in injury to sensitive crops.



Ensure that the following operation is carried out in an area that is clear of waterways and desirable vegetation.

1. Drain sprayer, pump and lines completely and wash out with clean water.
2. Drain again.
3. Fill the tank with water and add 1 litre chlorine bleach ( 3% sodium hypochlorite ) per 100 litres water with agitation running.
4. Flush some of the bleach solution through pump, lines and nozzles. Allow remainder to agitate in tank for 10 minutes.
5. Remove nozzles and filters and leave to soak in a bleach solution of 500 ml per 10 litres water while the tank cleaning is in progress.
6. Drain the tank and repeat the procedure of flushing with bleach solution.
7. Flush the tank and lines with clean water to remove traces of bleach.
8. Double rinse the nozzles and filters in clean water.

Dispose of surplus spray mix, rinseate and any spillage in accordance with the directions given in NZS 8409: 1999

**CONDITIONS OF SUPPLY: READ THESE CONDITIONS OF SUPPLY BEFORE BUYING AND USING. IF THESE CONDITIONS ARE UNACCEPTABLE, RETURN AT ONCE UNOPENED.**

To the extent permitted by law Bayer does not accept any liability or responsibility whatsoever for any loss, damage or injury whether direct, indirect or consequential howsoever arising in connection with these goods, including without limitation their storage, application, handling or use. Bayer does not make any warranties (express or implied) with respect to fitness for purpose, merchantable quality or any other matter.

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Date of Manufacture:

Batch No:

Hussar® and Partner® are registered trademarks of Bayer

Hasten® is a registered trademark of BASF

Glean® is a registered trademark of E I Dupont de Nemours and Co Inc, Wilmington, Delaware 19898 USA

# Bayer

Registered to:

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EMERGENCY RESPONSE SERVICE (24 hrs) 0800 734 607



A handwritten signature in blue ink, appearing to be "John King", is written over the bottom right portion of the seal.