



## **PRECAUTIONS**

- Wear a face shield and protective clothing (overall, rubber boots and gloves) when handling.
- Do not inhale fumes or spray mist.
- Avoid eye and skin contact.
- After use or in case of accidental skin contact, wash thoroughly with soap and clean water.
- Eyes must be thoroughly rinsed with clean water for at least 15 minutes if contaminated.
- Clothing must be washed thoroughly after use.
- Do not eat, drink or smoke while handling or applying the product.
- Prevent contamination of food, feedstuff, eating utensils and drinking water.
- Prevent drift of spray mist on to other crops, grazing, rivers, dam or areas not under treatment.
- Clean applicators after use and dispense of the wash water safely.
- Rinse the container three times with a volume of clean water equal to a minimum of 10% of the container. Add the rinse water to the contents of the spray tank before destroying the empty container.
- Do not dispose of wash water where it will contaminate other water sources.
- Empty containers must not be used for any other purpose. Flatten and perforate the containers before disposal.
- Do not burn or bury the empty container.

## **SYMPTOMS OF HUMAN POISONING**

May cause irritation to the eyes, skin and respiratory track. May also cause skin to become dry and/or crack. May cause drowsiness. May cause pulmonary injury due to the content of the solvent in the product.

## **FIRST AID TREATMENT**

**Inhalation:** Move the patient to a well ventilated area, away from the source of contamination.

**Eye contact:** Immediately flush with lukewarm water for at least 15 minutes, holding eyelids open. If contact lenses are worn remove before rinsing eyes. If irritation persists seek medical attention.

**Skin contact:** Remove contaminated clothing and wash contaminated area thoroughly with soap and water. If irritation persists seek medical attention.

**Ingestion:** Do not induce vomiting or apply mouth-to-mouth respiration.

**Note to physician:** This product contains aromatic hydrocarbon organic solvent. No antidote is available. Treat symptomatically.

## **RESISTANCE WARNING**

For resistance management, **HARVEST PROSULFOCARB 800 EC** is a group code N herbicide. Any weed population may contain individuals naturally resistant to **HARVEST PROSULFOCARB 800 EC** and other group code N herbicides. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by **HARVEST PROSULFOCARB 800 EC** or any other group code N herbicide.

To delay herbicide resistance:

- Avoid exclusive repeated use of herbicides from the same herbicide group code. Alternate or tank mix with products from different herbicide group codes.
  - Integrate other control methods (chemical, cultural, biological) into weed control programmes.
- For specific information on resistance management contact the registration holder of this product.

## **USE RESTRICTIONS**

### **General**

**HARVEST PROSULFOCARB 800 EC** is specifically aimed at the control of annual ryegrass (*Lolium* species) that are resistant to post emergent grass herbicides and the sulfonyl urea herbicides in wheat and barley in the Western and Southern Cape. Good control of rye grass in barley and wheat is achieved with treatments of **HARVEST PROSULFOCARB 800 EC** applied pre-plant pre-emerge or post plant pre-emerge or early post-emergence of the crop.

**DIRECTIONS FOR USE:** Use only as directed.

### **USE RESTRICTIONS**

When **HARVEST PROSULFOCARB 800 EC** is applied on its own or in a tank mixture it can cause delayed crop emergence, reduction in crop stand or yellowing (chlorosis) of the leaves. This is temporary and the crop should recover without any adverse effects on the yield.

- Only apply **HARVEST PROSULFOCARB 800 EC** once per growing season.

Follow the 'Use Restrictions' below to reduce the risk of damage to the crop.

- **HARVEST PROSULFOCARB 800 EC** must only be applied if planting is performed with an Ausplow or Ausseeder or similar planter.
- The planted seed must be covered by a 20 – 30 mm layer of soil after planting and before spraying. DO NOT apply **HARVEST PROSULFOCARB 800 EC** directly onto seed.
- Do not apply onto fields that are prone to stress conditions (e.g. water logging, drought, frost, high nematode infestations, etc.).
- The planting speed should be 5 – 6 km/hour. The planter speed must ensure that the planter throws soil over the area in between the rows but not onto the adjacent row as this may cause crop damage.
- Soil covered with organic matter (crop residue) or other structures (clods, stones) that intercept spray droplets will result in sub-optimal control of weeds.
- Burn stubble before planting if minimum tillage is practiced.
- Any weeds that have emerged before planting should be sprayed with Glyphosate.
- High rainfall and cold temperatures may result in crop damage or stand reduction.
- Damage may also occur if the seeds have not been adequately covered by soil.
- When Trifluralin 480 EC is applied, it must be incorporated into the soil within 10 minutes after application.

## **FOLLOW-UP CROPS**

When **HARVEST PROSULFOCARB 800 EC** is used in combination with **Triasulfuron 750 WG** do not plant crops within the following waiting periods:

Wheat – no waiting period.

Canola - 11 months.

All other crops – 24 months.

## **COMPATIBILITY**

The compatibility of **HARVEST PROSULFOCARB 800 EC** with other products may be influenced by the formulation of the products involved as well as the quality of the water. A physical compatibility test should always be carried out prior to application to confirm compatibility. **HARVEST PROSULFOCARB 800 EC** is compatible with commonly used fungicides, insecticides and foliar feeds normally used on the various crops for which **HARVEST PROSULFOCARB 800 EC** is registered.

## **MIXING INSTRUCTIONS**

- Half fill the spray tank with clean water and then add the required quantity of **HARVEST PROSULFOCARB 800 EC** and fill to the required volume. Ensure constant agitation during mixing and spraying.
- When mixing **HARVEST PROSULFOCARB 800 EC** with **Triasulfuron 750 WG**, add the **Triasulfuron 750 WG** to the water first, agitate to dissolve the WG and then add **HARVEST PROSULFOCARB 800 EC**. Ensure constant agitation during mixing and spraying.
- Mixtures must be used immediately and not allowed to stand in the spray tank for any length of time.

## **APPLICATION TECHNIQUES**

### **Ground application**

- Always use correctly calibrated equipment, correctly spaced nozzles and an efficient agitation mechanism.
- Prepare a fine, even and firm seed bed.
- Ensure the seedbed is free of clods, stones, trash and weeds.
- Spray evenly onto the soil surface in at least 200ℓ of water/ha
- Ensure overlapping of sprays does not happen as this will increase the risk of crop damage.

## **APPLICATION RECOMMENDATIONS:**

<b>CROPS BARLEY AND WHEA</b>	<b>DOSAGE RATE per Ha</b>	<b>REMARKS</b>
<b><u>Pre-plant application</u></b> HARVEST PROSULFOCARB 800 EC	2.0ℓ	This must be applied pre-plant of the crop and pre-emergence of weeds. The crop must be planted soon after the application before any weeds have emerged.
<b><u>Pre-plant application</u></b> HARVEST PROSULFOCARB 800 EC + Trifluralin 480 EC	2.0ℓ + 1.5ℓ	The tank mix must be applied pre-plant of the crop and pre-emergence of weeds. The crop must be planted soon after the application before any weeds have emerged.
<b><u>Split Application:</u></b> <b><u>Pre-plant application:</u></b> Trifluralin 480 EC <b><u>Followed by post-plant application:</u></b> HARVEST PROSULFOCARB 800 EC	1.5ℓ  2.0ℓ	Recommended under high rye grass infestation and for improved control of weeds within the row. Apply <b>TRIFLURALIN 480 EC</b> pre-plant and follow up within 3 days after planting with <b>HARVEST PROSULFOCARB 800 EC</b> , before the emergence of crop and weeds.
<b><u>Post-plant Application:</u></b> HARVEST PROSULFOCARB 800 EC + Triasulfuron 750 WG	3.0ℓ + 30g	Apply <b>HARVEST PROSULFOCARB 800 EC</b> plus Triasulfuron 750 WG within 3 days after planting before the emergence of crop and weeds.
<b><u>Post-plant Application:</u></b> HARVEST PROSULFOCARB 800 EC	3.0ℓ	Apply <b>HARVEST PROSULFOCARB 800 EC</b> within 3 days after planting before the emergence of crop and weeds.

**NOTE:** Post-planting application must be done within 3 days after planting before the emergence of weeds and crop.

## **Weeds controlled**

- Ryegrass (*Lolium species*) including ALS/ACCase resistant ryegrass.
- Wild oats (*Avena species*) may be suppressed if applied in combination with Trifluralin 480 EC.
- Ripgut (*Bromus diandrus*) may be suppressed if applied in combination with Trifluralin 480 EC.
- Refer to the label of Trifluralin 480 EC for a list of weed species controlled by this product. Adhere to the warnings, precautions, recommendations and use restrictions when using Trifluralin 480 EC.
- Refer to the label of Triasulfuron 750 WG for a list of weed species controlled by this product. Adhere to the warnings, precautions, recommendations and use restrictions when using Triasulfuron 750 WG.