

HARVEST[®] 15SN
HERBICIDE AND CROP DESICCANT



GROUP	10	HERBICIDE
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**FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND PEACE RIVER REGION
OF BRITISH COLUMBIA ONLY**

**SOLUTION
COMMERCIAL**



**CAUTION - SKIN IRRITANT
WARNING - EYE IRRITANT**

GUARANTEE: glufosinate ammonium 150 g/L

**REGISTRATION NUMBER 23179
PEST CONTROL PRODUCTS ACT**

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

Product Information: 1-888-283-6847

Bayer CropScience Inc.
Suite Suite 200, 160 Quarry Park Blvd. SE
Calgary, Alberta T2C 3G3

**NET CONTENTS:
10 – 400 L**

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. This product may cause eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash thoroughly after using and before eating, drinking or smoking. Wear protective clothing including goggles, chemical resistant gloves, and respirator when handling or spraying. Wear chemical resistant gloves for cleanup and repair. Avoid spray drift to susceptible plants and **USE ONLY FOR RECOMMENDED PURPOSES AND AT RECOMMENDED RATES.** Keep in original container during storage. Do not contaminate water supply, ponds, lakes, streams and irrigation ditches by direct application, spray drift or when cleaning and rinsing spray equipment or containers. **CAUTION:** Do not mix HARVEST 15SN Herbicide and Crop Desiccant with pesticides, fertilizers or any other chemical additives unless recommended on this label. If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada web site at www.croplife.ca.

FIRST AID: Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention. **Ingestion:** If swallowed, call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person. **Eye Contact:** If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice. **Skin Contact:** If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice. **Inhalation:** If inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.

TOXICOLOGICAL INFORMATION: Medical personnel should contact Bayer's medical information services toll-free 1-800-334-7577. This product contains petroleum distillates.

STORAGE: CANNOT be stored below freezing. If stored for one year or longer, shake well before using. Store the tightly closed container away from feeds, seeds, fertilizers, plants and foodstuffs. Do not use or store in or around the home. Keep in original container during storage.

ENVIRONMENTAL HAZARDS: TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under Directions for Use.

DISPOSAL: Recyclable Container Disposal: Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site: 1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. 2. Make the empty, rinsed container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. **Returnable Container Disposal:** Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of

purchase (distributor/dealer). **Disposal of Unused, Unwanted Product:** For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills. **Disposal of Unused Spray Solution:** If any spray solution remains in the tank after spraying is finished, it should be sprayed on the perimeter of the area just sprayed, away from water supplies, ditches, and irrigation canals.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on this label. It is an offence under the *Pest Control Products Act* to use a control product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

Harvest is a registered trademark of Bayer.

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GENERAL INFORMATION

HARVEST 15SN Herbicide and Crop Desiccant may be used as a harvest aid (desiccant) in the listed crops. HARVEST 15SN HERBICIDE AND CROP DESICCANT will also desiccate weeds present in the field at application.

Desiccation of crops and weeds will be best when environmental conditions are favourable (warm temperatures, good moisture conditions, high humidity).

The speed of action of HARVEST 15SN HERBICIDE AND CROP DESICCANT is influenced by environmental factors. At cool temperatures (below 10°C), poor moisture and low humidity, speed of action may be reduced. Generally, visual symptoms appear 2 to 4 days after application.

When a rate range is given the higher rate should be utilised:

- 1) when crop or weed growth is dense.
- 2) when environmental conditions are cool and dry.

If rainfall occurs within 4 hours of application, effectiveness may be reduced.

HARVEST 15SN HERBICIDE AND CROP DESICCANT is a non-selective herbicide. Avoid contact with desirable plants either from direct application or from spray drift as severe damage may occur.

HARVEST 15SN HERBICIDE AND CROP DESICCANT works primarily as a contact herbicide. Thorough coverage of the plant tissue to be desiccated or controlled is essential.

HARVEST 15SN HERBICIDE AND CROP DESICCANT breaks down rapidly in the soil.

There are no cropping or rotational restrictions after application.

Grain and meal from treated crops can be fed to livestock.

DO NOT graze or feed other portions of the treated crop to livestock; there are not sufficient data to support such use.

ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under Directions for Use.

MIXING INSTRUCTIONS

HARVEST 15SN HERBICIDE AND CROP DESICCANT must be applied with properly calibrated clean equipment.

HARVEST 15SN HERBICIDE AND CROP DESICCANT is specially formulated to mix readily in water. Prior to adding HARVEST 15SN HERBICIDE AND CROP DESICCANT to the spray tank, ensure that the spray tank is thoroughly clean (see "CLEANING INSTRUCTIONS").

1. Fill tank one-half full of clean water prior to adding HARVEST 15SN HERBICIDE AND CROP DESICCANT.
2. Add the correct amount of HARVEST 15SN HERBICIDE AND CROP DESICCANT.
3. Add the remaining amount of water, begin agitation, and spray out immediately.

NOTE: Ensure that all circuits (pipes, booms, etc.) have the correct HARVEST 15SN HERBICIDE AND CROP DESICCANT/water concentration before application is started.

NOTE: The addition of an anti-foaming agent may reduce foaming, especially when using soft water.

CLEANING INSTRUCTIONS

Before and after using HARVEST 15SN HERBICIDE AND CROP DESICCANT always complete a thorough cleaning of the spray tank, lines and filter. Spray equipment should be thoroughly rinsed using a strong detergent solution.

HARVEST AID - DESICCATION

GROUND APPLICATION

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification. Boom height must be 60 cm or less above the crop or ground.

Apply HARVEST 15SN HERBICIDE AND CROP DESICCANT in a minimum of 110 litres of water per hectare at a pressure of 275 kPa and at a ground speed of 6 to 8 km/h. If check valves are used, apply at 310 kPa. The use of 80° or 110° flat fan nozzles is highly recommended for optimum spray coverage and canopy penetration.

Where crop canopy is dense, or weed growth is heavy, better spray coverage will be achieved with higher spray volumes. Under these conditions, apply 170-220 litres of water per hectare.

- **DO NOT USE FLOOD JET NOZZLES, CONTROLLED DROPLET APPLICATION EQUIPMENT OR AIR-ASSISTED SPRAY EQUIPMENT.**

- UNIFORM, THOROUGH SPRAY COVERAGE IS IMPORTANT TO ACHIEVE CONSISTENT CROP DESICCATION AND WEED CONTROL.

Application of the spray at a 45° angle forward will result in better spray coverage. Follow directions elsewhere on the label for the correct rate and timing of application.

DO NOT apply when winds exceed 16 km/h when using open boom sprayers. Do not apply when winds exceed 25 km/h when using hooded sprayers.

AERIAL APPLICATION

Aerial application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) coarse classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wingspan or rotorspan.

EXERCISE EXTREME CAUTION DURING THE AERIAL APPLICATION OF ANY INSECTICIDE, HERBICIDE OR FUNGICIDE. Drift of pesticides is not always visible with the human eye. Small droplets may drift into sensitive areas without obvious signs of danger. FOLLOW THESE DIRECTIONS PRECISELY!

When applying HARVEST 15SN HERBICIDE AND CROP DESICCANT by aircraft, uniform spray coverage is essential. Applicators are required to use the correct combination of spray nozzle tips, nozzle placement and spray pressures, which will provide a COARSE droplet size distribution, with a volume mean diameter greater than 350 microns. DO NOT USE RAINDROP NOZZLES.

Apply HARVEST 15SN HERBICIDE AND CROP DESICCANT in 33-55 litres of water per hectare. Where crop canopy is dense, or weed growth is heavy, better spray coverage will be achieved with higher spray volumes. Follow directions elsewhere on the label for the correct rate and timing of application.

Aerial drift is increased under certain meteorological conditions. Do not apply HARVEST 15SN HERBICIDE AND CROP DESICCANT by aircraft when the wind speed is greater than 12 km/h.

For the protection of non-target habitats overspray or drift to sensitive habitats should be avoided. Do not contaminate these habitats when cleaning and rinsing spray equipment or containers.

BUFFER ZONES

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of Application	Crop	Buffer Zones (metres) Required for the Protection of:		
		Freshwater Habitat of Depths:		Terrestrial Habitat
		Less than 1 m	Greater than 1 m	
Field Sprayer	Alfalfa	1	0	1
Aerial (fixed wing and rotary)	Lentils Potato	1	0	20

HARVEST 15SN HERBICIDE AND CROP DESICCANT MAY BE USED AS A DESICCANT IN THE FOLLOWING CROPS:

- **LENTILS**
- **POTATOES**
- **ALFALFA**

HARVEST 15SN HERBICIDE AND CROP DESICCANT will also desiccate weeds present in the field at application (Wild Buckwheat may not be completely desiccated).

LENTILS

DO NOT APPLY TO LENTILS GROWN FOR SEED; THERE ARE NOT SUFFICIENT DATA TO SUPPORT SUCH USE.

Apply HARVEST 15SN HERBICIDE AND CROP DESICCANT at 2-2.7 litres of product per hectare. Apply when the crop is in the 40-60% pod turn (yellow to brown) stage. Use the higher rate when the crop canopy is dense and/or there are high populations of weeds present at application. DO NOT harvest treated crop within 9 days after application.

HARVEST 15SN HERBICIDE AND CROP DESICCANT will provide complete Lentil plant drydown to facilitate straight combining, reducing the risks associated with adverse weather affecting the windrowed crop.

POTATOES

DO NOT APPLY TO POTATOES GROWN FOR SEED STOCK.

DO NOT HARVEST THE TREATED CROP WITHIN 9 DAYS AFTER APPLICATION.

Apply HARVEST 15SN HERBICIDE AND CROP DESICCANT at 3 litres of product per hectare. Apply approximately 14-21 days prior to expected harvest. Desiccation of crops and weeds will be more rapid under warmer and drier conditions.

HARVEST 15SN HERBICIDE AND CROP DESICCANT may be applied to promote uniform drydown of an unevenly maturing crop and will allow for planning of harvest timing. Desiccation of vines and weeds will facilitate mechanical harvesting.

ALFALFA (Grown for Seed)

Apply at 50-75% pod turn (brown) stage. Apply HARVEST 15SN HERBICIDE AND CROP DESICCANT at 2.7 L/ha of product. Do not apply more than once per year.

PRECAUTIONS

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- Wear chemical resistant gloves for cleanup and repair.
- Avoid spray drift to susceptible plants and **USE ONLY FOR RECOMMENDED PURPOSES AND AT RECOMMENDED RATES.** Keep in original container during storage. Do not contaminate water supply, ponds, lakes, streams and irrigation ditches by direct application, spray drift or when cleaning and rinsing spray equipment or containers.
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CAUTION: Do not mix HARVEST 15SN Herbicide and Crop Desiccant with pesticides, fertilizers or any other chemical additives unless recommended on this label.

STORAGE

CANNOT be stored below freezing. If stored for one year or longer, shake well before using. Store the tightly closed container away from feeds, seeds, fertilizers, plants and foodstuffs. Do not use or store in or around the home. Keep in original container during storage.

DISPOSAL

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FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

INGESTION If swallowed, call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

EYES: If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

SKIN: If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

INHALATION: If inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.

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FOR MORE INFORMATION CONTACT:

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