

2012-5303  
2013-08-22

GROUP	4	19	HERBICIDE
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**DISTINCT® WDG HERBICIDE**

**FOR SALE FOR USE IN EASTERN CANADA ONLY**

**COMMERCIAL (AGRICULTURAL)**

**WATER DISPERSIBLE GRANULES**

**GUARANTEE:** Diflufenzopyr (present as sodium salt) - 20% a.e.  
Dicamba (present as sodium salt) - 50% a.e.

WARNING, CONTAINS THE ALLERGEN SULFITES

**REGISTRATION NO. 26406                      PEST CONTROL PRODUCTS ACT**

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY  
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT  
1-800-454-2673**



**CAUTION                      POISON**  
**CAUTION - EYE IRRITANT**  
**POTENTIAL SKIN SENSITIZER**

**NET CONTENTS:** 4 x 285 g water-soluble bag for a total of 1.14 kg

**READ THE LABEL AND THIS BROCHURE BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

**DO NOT SELL WATER-SOLUBLE BAGS SEPARATELY**

BASF Canada Inc.  
100 Milverton Drive  
5<sup>th</sup> Floor  
Mississauga, Ontario  
L5R 4H1  
1-877-371-2273

DISTINCT® is a registered trademark of BASF.

## About DISTINCT WDG Herbicide

This pouch contains **DISTINCT** WDG Herbicide, a 70% water dispersible granule in water-soluble bags. **DISTINCT** WDG Herbicide is a selective post-emergent herbicide for use in Eastern Canadian corn. Use **DISTINCT** WDG Herbicide for control of annual broadleaf weeds.

For a complete weed control program, tank-mix **DISTINCT** WDG Herbicide with Accent 75 DF or Ultim 75% DF herbicide.

## PRECAUTIONS

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Avoid breathing spray or spray mist.
3. Avoid contact with skin, eyes, and clothing.
4. Harmful if swallowed.
5. Do not apply to seed or sweet corn.
6. **DO NOT APPLY BY AIR.**
7. Do not till or cultivate treated areas for at least 7 days following application.
8. When mixing and loading or applying, wear a long-sleeved shirt, long pants, shoes and socks, and chemical resistant gloves. In addition, wear protective eyewear (face shield or safety glasses) while mixing and loading. Rinse gloves before removal.
9. **DO NOT** enter treated fields until 12 hours after application.

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's web site at [www.croplife.ca](http://www.croplife.ca).

## FIRST AID

**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.

**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.

**If swallowed or accidentally consumed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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

## TOXICOLOGICAL INFORMATION

Dicamba may cause mild irritation to the eyes, and irritation to the skin and mucous membranes. Symptoms of overexposure to dicamba may include dizziness, muscle weakness, loss of appetite, weight loss, vomiting, decreased heart rate, shortness of breath, excitement, tenseness, depression, incontinence, cyanosis, muscle spasms, exhaustion and loss of voice. Treat symptomatically.

## GENERAL PRECAUTIONS

1. Do not apply **DISTINCT** WDG Herbicide on or near desirable trees or plants (see Spray Drift Precautions).
2. Apply **DISTINCT** WDG Herbicide when air temperature is between 10-25°C. Do not apply when there is a risk of severe drop in night temperature.
3. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. Thoroughly clean application equipment. (See Container Cleaning and Disposal).
4. DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), or to estuarine/marine habitats.
5. Do not treat areas where soil penetration or surface washing may bring **DISTINCT** WDG Herbicide into contact with the roots of desirable plants.
6. Crop damage may occur if **DISTINCT** WDG Herbicide is applied at any time other than the recommended crop stage.

***Note:** Crops growing under stress from adverse environmental conditions such as excess moisture, drought, disease, etc. may suffer a further setback and exhibit more pronounced injury symptoms if **DISTINCT** WDG Herbicide is applied. However, the crop injury that may occur is usually offset by the weed control obtained.*

7. If **DISTINCT** WDG Herbicide is tank-mixed with another product, consult that product's label for additional safety precautions, restrictions, application rates, timings and additional weeds controlled.

## SPRAY DRIFT PRECAUTIONS

**DISTINCT** WDG Herbicide may cause injury to desirable trees and plants, particularly soybeans, tobacco, grapes, peas, potatoes, tomatoes, and many other field, ornamental, and fruit crops. Follow these precautions when spraying in the vicinity of sensitive crops:

1. Do not spray **DISTINCT** WDG Herbicide if wind velocity exceeds 8 km/h. Leave an adequate buffer zone between spraying area and sensitive plants.

2. Use high-volume sprays under low pressure. Use coarse sprays since they are less likely to drift than fine sprays. Keep spray pressure below 150 kPa and the spray volume above 220 L/ha unless otherwise required by the nozzle manufacturer.
3. Do not spray **DISTINCT** WDG Herbicide when temperatures are expected to exceed 27°C.
4. Do not spray in high humidity or fog.

**ENVIRONMENTAL HAZARDS**

Toxic to non-target terrestrial plants and aquatic organisms. Observe the buffer zones and precautionary measures specified under DIRECTIONS FOR USE.

**DIRECTIONS FOR USE**

Please refer to and retain this booklet for complete directions. Do not handle PVA bags excessively or expose them to moisture as this may cause breakage. Bags should not become wet prior to adding to the spray tank. Do not handle the bags with wet hands or wet gloves. Always reseal the overwrap foil envelope to protect the remaining unused bags.

Do not remove water-soluble bags from overwrap except to add them directly to the spray tank.

Do not place the PVA bags directly in diesel oils, dormant or summer-spray-type oils. PVA bags are water soluble, not oil soluble.

**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) **coarse** classification. Boom height must be 60 cm or less above the crop or ground.

DO NOT apply by air.

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, pastures, rangelands 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 zone (metres) required for the protection of:		
		Freshwater habitat	Estuarine/Marine habitat	Terrestrial habitat
Field sprayer*	Corn	15	15	10

\*For field sprayer application, buffer zones can be reduced with the use of drift-reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted

with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

## **SURFACE RUNOFF**

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to, heavy rainfall, moderate to steep slope, bare soil and poorly draining soil (e.g. soils that are compacted, fine textured or low in organic matter such as clay).

Potential for contamination of aquatic areas as a result of runoff may be reduced by including an untreated vegetative strip between the treated area and the edge of the water body.

Avoid applying this product when heavy rain is forecast.

## **LEACHING**

The use of this chemical may result in contamination of groundwater, particularly in areas where soils are permeable (e.g. sand, loamy sand and sandy loam soils) and/or the depth to the water table is shallow.

## **Treatment Notes**

1. Apply **DISTINCT** WDG Herbicide alone or tank-mixed with Accent 75 DF or Ultim 75% DF herbicide in 200 litres of water/ha at a pressure of 150-275 kPa using ground equipment only. Only one application of **DISTINCT** WDG Herbicide is permitted per year.
2. Applying **DISTINCT** WDG Herbicide or **DISTINCT** WDG Herbicide tank mixes to field corn during periods of rapid growth may result in temporary leaning. Field corn will usually become erect within 3-7 days with no subsequent yield reduction. To avoid breakage, cultivation should be delayed until after the field corn is growing normally.
3. Field corn growing under stress conditions such as drought, poor fertility, or foliar damage due to hail, wind or insects can exhibit various injury symptoms that may be more pronounced if herbicides are applied.
4. Rainfall or irrigation should not occur within 4 hours after treatment.
5. When applying **DISTINCT** WDG Herbicide adjacent to sensitive crops, apply as an early post-emergent treatment to avoid potential drift.

6. Weeds treated with **DISTINCT** WDG Herbicide will display symptoms within several hours and be controlled within 3-7 days.

***Note:** Display symptoms for broadleaf weeds will include twisting and crinkling. Grasses may display twisting, but will remain green and stunted.*

## **FIELD CORN**

**DISTINCT** WDG Herbicide can be applied alone or in tank-mix with Accent 75 DF or Ultim 75% DF herbicide.

### **Weeds Controlled**

**DISTINCT** WDG Herbicide alone controls the following weeds:

Redroot pigweed	Wild buckwheat	Canada thistle (top growth) <sup>1</sup>
Common ragweed	Lady's-thumb	Tall waterhemp <sup>1</sup>
Lamb's-quarters	Velvetleaf <sup>1</sup>	Common cocklebur <sup>1,2</sup>

<sup>1</sup> Post-emergence application at 2-6 leaf stage of corn only.

<sup>2</sup> Apply at the cotyledon to 6-leaf stage of common cocklebur.

**DISTINCT** WDG Herbicide in tank mix with Accent 75 DF will control the following weeds:

Redroot pigweed	Barnyard grass
Common ragweed	Fall panicum
Lamb's-quarters	Green foxtail
Wild buckwheat	Yellow foxtail (suppression)
Lady's-thumb	Old witch grass
Velvetleaf	Quackgrass

**DISTINCT** WDG Herbicide in tank mix with Ultim 75% DF will control the following weeds:

Redroot pigweed	Barnyard grass
Common ragweed	Fall panicum
Lamb's-quarters	Green foxtail
Wild buckwheat	Yellow foxtail (suppression)
Lady's-thumb	Old witchgrass
Velvetleaf	Proso millet
Horsenettle	Quackgrass
Field horsetail (season-long control)	

## **Post-Emergence Treatment**

### **Application Directions**

**DISTINCT** WDG Herbicide can be used as a broadcast ground treatment alone or in tank mixes with Accent 75 DF or Ultim 75% DF for a wider spectrum of weed control. Refer to the table provided for the proper leaf staging of each of the recommended treatments.

Herbicide	Rate/Hectare	Corn Stage	Weed Stage	
			Broadleaf Weeds	Grasses
<b>DISTINCT</b> WDG	285 g (1 bag)	Spike to 1 leaf	Apply as a broadcast ground treatment. It is not necessary that weeds be emerged at the time of application. Do not use additives such as oils, wetting agents, sticking agents, etc.	
<b>DISTINCT</b> WDG + non-ionic surfactant* + liquid urea ammonium nitrate (UAN)**	285 g (1 bag)	2-6 leaf	Apply to active growth stage of seedling broadleaf weeds (less than 5 cm tall).	
<b>DISTINCT</b> WDG + Accent 75 DF + non-ionic surfactant* + liquid urea ammonium nitrate (UAN)**	285 g (1 bag) + 33.4 g (1 water-soluble bag)	2-8 leaf	Apply to active growth stage of seedling broadleaf weeds (less than 5 cm tall).	Apply to annual grasses in the 1 to 6-leaf stage and to quackgrass in the 3 to 6-leaf stage (10 to 20 cm).
<b>DISTINCT</b> WDG + Ultim 75% DF + non-ionic surfactant* + liquid urea ammonium nitrate (UAN)**	285 g (1 bag) + 33.7 g (1 water-soluble bag)	2-6 leaf	Apply to active growth stage of seedling broadleaf weeds (less than 5 cm tall).  For the control of horsetail, apply to horsetail in the 2 to 6 leaf stage. Do not graze treated crops. Do not cut for hay.	Apply to annual grasses in the 1 to 6-leaf stage and to quackgrass in the 3 to 6-leaf stage (10 to 20 cm).

\* Use at 0.25% v/v, i.e., 2.5 litres per 1000 L of spray solution.

\*\*Use at 1.25% v/v, i.e., 12.5 litres per 1000 L of spray solution.

## MIXING INSTRUCTIONS AND ORDER

1. Fill the spray tank one-half full of clean water and start agitation.
2. Products in PVA bags ( **DISTINCT** WDG Herbicide, Accent 75 DF, Ultim 75% DF ) : With agitator running, add the required number of water-soluble bags to the tank. Wait until all the water-soluble bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
3. If necessary, add non-ionic surfactant and UAN.
4. Continue with full agitation while filling tank to the desired spray volume.

## SPRAY ADDITIVES FOR POST-EMERGENCE

### For Post-Emergence Use ONLY

For best adherence, **DISTINCT** WDG Herbicide requires additives for post-emergent treatments.

The addition of a non-ionic surfactant at 0.25% v/v plus liquid nitrogen fertilizer 28-0-0 at 1.25% v/v is recommended under most conditions. Spray grade ammonium sulfate may be substituted for liquid nitrogen fertilizer.

### Compatibility Test

To determine compatibility, mix all components of the finished spray in proportionate quantities in a small jar before mixing in the spray tank. If the herbicides do not ball-up or form flakes, sludge, jelly, oily films or layers, or other precipitates within 5 minutes after mixing, the tested spray-mix is compatible.

## CROP HARVEST

1. DO NOT permit animals (including lactating dairy animals) to graze fields or cut corn for forage or silage within 75 days of application.
2. Do not harvest grain within 120 days of application.
3. A plant back interval of 30 days is required for the planting of rotational crops.
4. Withdraw meat animals from treated fields at least 3 days before slaughter.

## RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, **DISTINCT** WDG Herbicide is a Group 4 and 19 herbicide. Any weed population may contain or develop plants naturally resistant to **DISTINCT** WDG Herbicide and other Group 4 and 19 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of **DISTINCT** WDG Herbicide or other Group 4 and 19 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.



- Contact your local extension specialist or certified crop advisors for any 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 BASF at 1-877-371-2273.

## **CONTAINER CLEANING AND DISPOSAL**

1. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
2. DO NOT reuse this container for any purpose. Make it unsuitable for further use.
3. Dispose of the container in accordance with provincial requirements.
4. DISPOSAL OF UNUSED, UNWANTED PRODUCT - For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

## **SPRAY EQUIPMENT CLEANING**

### **DISTINCT WDG Herbicide alone or DISTINCT WDG Herbicide with other tank-mixes**

If you have used **DISTINCT** WDG Herbicide alone, follow these steps to clean the spray equipment:

1. Thoroughly hose down the inside and outside of equipment surfaces while filling the spray tank half-full with water. Flush by operating the sprayer until the system is purged of the rinse water.
2. Fill the tank with water, adding 1 L of household ammonia for every 100L of water. Operate the spray pump to circulate the ammonia solution through the spray system for 15-20 minutes and discharge a small amount of the ammonia solution throughout the spray boom and nozzles. Let the solution stand for several hours, preferably overnight.
3. Flush the solution out of the spray tank through the boom.
4. Remove the nozzles and screens and flush the system with two tanks full of water.

If **DISTINCT** WDG Herbicide is used in a tank mix, refer to tank mix partner product label for any additional cleaning instructions.

## **STORAGE**

1. Store **DISTINCT** WDG Herbicide in original container only. Do not expose water-soluble bags to moisture.
2. Store **DISTINCT** WDG Herbicide in a cool, dry place.
3. Do not contaminate water, food or feed by storage.

## **NOTICE TO USER**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this 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.

DISTINCT WDG HERBICIDE  
COMMERCIAL (AGRICULTURAL)  
WATER DISPERSIBLE GRANULES

GUARANTEE:

Diflufenzopyr ..... 20% a.e. (present as sodium salt)  
Dicamba ..... 50% a.e. (present as sodium salt)

WARNING, CONTAINS THE ALLERGEN SULFITES

NET CONTENTS: 285 g



CAUTION                      POISON  
CAUTION – EYE IRRITANT  
POTENTIAL SKIN SENSITIZER

KEEP OUT OF REACH OF CHILDREN

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