



## Accent™ IS Herbicide

GROUP	<b>2</b>	HERBICIDE
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WATER DISPERSIBLE GRANULE

**FOR SALE FOR USE ON FIELD, SEED AND SWEET CORN ONLY**

REGISTRATION NO. 34410 PEST CONTROL PRODUCTS ACT

COMMERCIAL (AGRICULTURAL)

READ THE LABEL AND THIS BOOKLET BEFORE USING

ACTIVE INGREDIENT: Nicosulfuron 54.55%

Warning, contains the allergens milk and sulfites

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 18.6g – 1000 kg

**Corteva Agriscience Canada Company**

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Calgary, Alberta

T2P 1M4

1-800-667-3852

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## **PRECAUTIONS**

- KEEP OUT OF REACH OF CHILDREN
- Do not contaminate any body of water.
- Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.
- DO NOT apply this product to any body of water.
- DO NOT contaminate irrigation/drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.
- Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab.
- DO NOT apply by air
- DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

## **ENVIRONMENTAL PRECAUTIONS**

- TOXIC to terrestrial plants and aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE.
- To reduce runoff from treated areas into aquatic habitats, avoid areas with a moderate to steep slope, compacted soil or clay.
- Avoid application of this product when heavy rain is forecast.
- Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

## **FIRST AID**

**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.

**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.

**INGESTION:** If swallowed, 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:** No antidote is available. Treat symptomatically.

## **IMPORTANT**

Injury to or loss of desirable trees or vegetation may result from failure to observe the following: Do not apply or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. Do not use on lawns, walks, driveways, tennis courts, or similar areas. Prevent drift of spray to desirable plants. Do not contaminate any body of water, including irrigation water. Keep from contact with fertilizers, insecticides, fungicides and seeds.

APPLY ACCENT™ IS HERBICIDE WITH A RECOMMENDED SURFACTANT.

Carefully observe sprayer cleanup instructions, as spray tank residue may damage crops other than corn.

## GENERAL INFORMATION

Accent IS Herbicide is a water dispersible granule formulation to be mixed in water and applied post-emergence to field corn, sweet corn and seed corn for control of quackgrass and annual grasses. Accent IS Herbicide is non-corrosive, non-flammable, non-volatile, and does not freeze.

## DIRECTIONS FOR USE

### ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY

- Accent IS Herbicide rapidly stops growth of susceptible species; typical symptoms usually appear within 5-7 days, but may not be noticeable for 2-3 weeks after application, depending on growing conditions and weed susceptibility.
- Warm, moist conditions following application promote the activity of Accent IS Herbicide, while cool and/or dry conditions may reduce or delay activity. Weeds hardened off by cold weather or drought stress may not be controlled.
- Rainfall within 2-4 hours after application of Accent IS Herbicide may reduce weed control.
- Accent IS Herbicide is a foliar applied herbicide that will not give residual control of grass or broadleaf weed seedlings that may germinate after application. Weed control may be reduced if the corn canopy has closed in over the weeds, intercepting the spray.
- Poor weed control or crop injury may result from applications made to plants under stress from:
  - abnormally hot or cold weather
  - environmental conditions such as drought, water-saturated soils, hail damage or frost
  - disease, insect or nematode injury
  - prior herbicide, or carryover from a previous year's herbicide application.
- Delay application until stress passes and both weeds and corn resume growth. If corn has been injured by frost, wait 48-72 hours before applying Accent IS Herbicide. Severe stress conditions immediately following application may also result in crop injury or poor weed control.
- Ensure that the boom is set at the proper height in relation to the corn plants to apply Accent IS Herbicide accurately and uniformly, and to AVOID excessive application into the corn whorl.

## DIRECTIONS FOR USE

- Apply with ground equipment only. Make only one application per growing season.

### Spray 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 ASAE medium classification.
- DO NOT apply by air.

## SPRAY BUFFER ZONES

A spray buffer zone is NOT required for:

- Uses with hand-held application equipment permitted on this label
- Low-clearance hooded or shielded sprayers that prevent spray contact with crop, fruit or foliage

The spray 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).

Application Rate (g a.i./ha)	Spray Buffer zone (metres) required for the protection of terrestrial habitat
25	2

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

NOTE: Applicators may recalculate a site-specific spray buffer zone by combining information on current weather conditions and spray configuration for the following applications: all airblast applications, and for field and aerial applications which specify the following droplet size category wording on the product label: 'DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification.' To access the Spray Buffer Zone Calculator, please visit the pesticides portion of the Canada.ca website.

## ACCENT IS HERBICIDE USED ALONE

### SPRAY ADJUVANTS

Accent IS Herbicide must be applied with one of the following recommended adjuvants:

Adjuvant	Volume Adjuvant / Volume Spray Solution	Rate (% v/v)
Non-ionic Surfactant <sup>1</sup> plus 28% UAN <sup>2</sup>	2 L / 1000 L + 5 L / ha	0.2 5 L/ ha
Non-ionic Surfactant <sup>1</sup> plus 28% UAN <sup>3</sup>	2 L / 1000 L + 12.5 L / 1000 L	0.2 1.25
Non-ionic Surfactant <sup>1</sup>	2 L / 1000 L	0.2
Adapt Oil Concentrate	10 L / 1000 L	1.0
Merge	5 L / 1000 L	0.5
Sure-Mix	5 L / 1000 L	0.5

<sup>1</sup> Recommended non-ionic surfactants include Sidekick, Citowett Plus, Agral 90 and Ag-Surf.

<sup>2</sup> Non-ionic surfactants may be applied with 28% liquid urea ammonium nitrate (UAN) at 5L/ha for improved performance on certain weeds.

<sup>3</sup> 1.25% v/v UAN must also be included for tank mixes with Distinct Herbicide.

### RATES AND TIMING

Apply 45.8 grams of Accent IS Herbicide per hectare as a broadcast spray, with a recommended surfactant to corn and weeds according to the following chart:

CROP OR WEED	LEAF STAGING AT APPLICATION
Corn, Field	1-8 leaves (6 visible collars)
Corn, Seed*	1-7 leaves (5 visible collars)
Corn, Sweet*	1-6 leaves (4 visible collars)
Annual Grasses	1-6 leaves (up to early tillering, 2 leaf tillers) or as it is specified.
Quackgrass	3-6 leaves (10-20 cm in height - leaf extended)

**CORN LEAF STAGING**



The coleoptile (short, blunt leaf) is counted as the first leaf. A corn leaf is counted as a full leaf when the next leaf is visible in the corn whorl.

While Accent IS has a wide application window, research has shown best results are obtained when applications are made early postemergence when corn and weeds are small. Target applications to corn that is in the 4-6 leaf stage for best overall performance.

**\*Special Notes for use of Accent IS on sweet corn or seed corn inbred production.**

Sweet corn varieties and seed corn inbreds may vary in their tolerance to herbicide, including Accent IS Herbicide. Since not all sweet corn varieties and seed corn inbreds have been tested for tolerance to Accent IS Herbicide, first use of Accent IS Herbicide should be limited to a small area to confirm the crop tolerance prior to adoption as a general field practice. Additionally, consult your seed supplier for information on the tolerance of specific sweet corn varieties and seed corn inbreds to Accent IS Herbicide.

The following varieties have been tested and are approved for applications of Accent IS according to label recommendations. Consult your local Corteva field representative or seed supplier for information on local sweet corn varieties not on this list before using Accent IS.

Bonus BT	Elite
GSS 7831	FTF222
CNS 710	FTF243
Krispy King	FTF246
GH 2690	Crisp-N-Sweet
Calico Belle	710R
GSS 9299	Legacy
Trinity	Marvel
Candy Corner	GG445
GG 214	Honey Select
Jubilee	Sensor
Jubilee Supersweet	

**WEEDS CONTROLLED BY 45.8 GRAMS OF HERBICIDE PER HECTARE**

Barnyard Grass  
 Fall Panicum  
 Green Foxtail  
 Long-spined sand bur (3-5 leaves)  
 Old Witchgrass  
 Quackgrass<sup>1</sup>  
 Wild Oats (3-6 leaves)  
 Yellow Foxtail\*

**NOTE:** Weeds which emerge after application of Accent IS Herbicide will not be controlled. Application should be made when the majority of weeds have emerged.

Annual grasses are most sensitive when small and actively growing.

### **Specific Weed Control Recommendations**

- <sup>1</sup> Quackgrass - Apply Accent IS Herbicide with a recommended surfactant postemergence when the majority of the quackgrass shoots are actively growing and in the 3 to 6-leaf stage (10 to 20 cm in height - leaf extended). Annual grasses not emerged at the time of Accent IS Herbicide application to quackgrass will not be controlled.
- \* For the control of Yellow Foxtail – Apply Accent IS Herbicide with 28% liquid urea ammonium nitrate (UAN) at 5L/ha plus a recommended non-ionic surfactant (NIS) or apply Accent IS Herbicide with Merge\*. Failure to use an NIS with UAN or Merge as indicated above will result in suppression only of yellow foxtail.

### **MIXING INSTRUCTIONS**

1. Fill clean tank about 1/4 full with fresh water.
2. Turn on full agitation.
3. Add the proper amount of Accent IS Herbicide to the water in the spray tank with the agitator running. Maintain full agitation until product is fully dispersed. Continuous agitation is required to keep the product in suspension.
4. After Accent IS Herbicide has been well mixed and is in suspension add the proper amount of tank mix partner (if applicable) to the spray tank with the agitator running.
5. After all products have been well mixed and are in suspension, add a recommended adjuvant (see “Spray Adjuvants” section for a complete list and use rate).
6. If applicable, add 28% liquid urea ammonium nitrate (UAN).
7. Fill the remainder of the spray tank.

On repeat tank loads, ensure that the amount of spray solution left in the tank from the previous load is less than 10% of the volume about to be mixed.

Agitation is required for uniform mixing and application. The optimum water volume for Accent IS Herbicide application is 140-190 litres of water per hectare (minimum of 100 litres of water per hectare). Use a spray pressure of 175 - 275 kPa. Flat fan nozzles are recommended. Use 50 mesh filter screens or larger. Use spray preparation of Accent IS Herbicide within 24 hours or product degradation may occur resulting in a loss of weed control. Use vigorous agitation to thoroughly disperse spray mixtures that have been allowed to stand in the tank.

**NOTE:** Accent IS Herbicide will degrade in acidic or highly alkaline water. Mix no more than can be used in one day. If spraying is interrupted, thoroughly re-agitate the spray mixture before resuming spraying.

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact Corteva Agriscience Canada Company at 1-800-667-3852 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by Corteva Agriscience Canada Company.

## SPRAYER CLEANUP

To avoid subsequent injury to desirable crops, thoroughly clean all mixing and spray equipment immediately following applications of Accent IS Herbicide as follows:

1. Drain tank; thoroughly hose down the interior surfaces of the tank; then flush tank, boom and hoses with clean water for a minimum of 5 minutes.
2. Fill the tank with clean water while adding one litre of household ammonia (containing a minimum of 3% ammonia) for every 100 litres of water. Flush the hoses, boom and nozzles with the cleaning solution and then add more water to completely fill the tank. Circulate the cleaning solution through the tank and hoses for at least 15 minutes. Again flush the hoses, boom and nozzles with the cleaning solution and then drain the tank.
3. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.
4. Repeat step 2.
5. Thoroughly rinse the tank with clean water for a minimum of 5 minutes, flushing the water through the hoses and boom.
6. PRIOR to using the sprayer for the next application, flush the tank, boom and hoses for 5 minutes with fresh water.

**CAUTION:** DO NOT mix ammonia with chlorine bleach. Using ammonia with chlorine bleach will release a gas with a musty chlorine odour which may cause eye, nose, throat and lung irritation. DO NOT clean equipment in an enclosed area.

## USE OF INSECTICIDES

For maximum crop safety, Accent IS Herbicide should be applied only to corn which has NOT been treated with a highly systemic organophosphorus soil insecticide, such as Lorsban.

Application of Accent IS Herbicide to corn previously treated with a non-organophosphate such as Force (pyrethroid) or Furadan (carbamate) will allow maximum crop safety.

DO NOT tank mix Accent IS Herbicide with any organophosphorus insecticide. DO NOT apply a foliar organophosphorus insecticide within 7 days before or after applying Accent IS Herbicide.

## REPLANTING TO OTHER CROPS

Accent IS Herbicide is degraded by natural soil processes, and field tests have shown that the following crops may safely be planted at the prescribed interval following corn that has been treated with Accent IS Herbicide.

### EASTERN CANADA

Crop	Replanting Interval
Winter wheat	4 months
Spring barley, Canola, Soybeans, White beans, Red Clover, Sorghum, Field Corn, Alfalfa	10 months

## WESTERN CANADA

Crop	Replanting Interval
Spring cereals (including wheat and barley) Corn Field Pea Flax Potato Dry Beans † Sunflower Canola (including Clearfield canola) Alfalfa	10 months

† Dry bean varieties may vary in their tolerance to herbicides, including to Accent IS Herbicide. Since not all dry bean varieties as rotational crops have been tested for tolerance to Accent IS Herbicide, first planting of each variety to field previously treated with Accent IS Herbicide should be limited to a small area to confirm the tolerance prior to adoption as a general field practice. Additionally, consult your seed supplier for information on the tolerance of specific varieties of dry common beans to Accent IS Herbicide.

For other crops, a field bioassay is recommended before planting. A successful field bioassay means growing to maturity a test strip of the crop(s) intended for production the following year.

### FIELD BIOASSAY

Select a representative area or areas of the field previously treated with Accent IS Herbicide to plant your bioassay crop(s). Be sure to consider factors such as size of field, soil texture, drainage and turn-around areas when selecting the site(s) that are most representative of the soil conditions in the field. On large fields, more than one site may be needed in order to obtain reliable results.

Plant the test strips perpendicular to the direction in which the field was sprayed. The strips should be long enough to cross the width of several spray swaths. Large test strip areas are more reliable than small ones.

Use standard tillage and seeding equipment to plant the bioassay. Prepare a seed bed and plant the crops and varieties you want the option of growing the following year. It is important to use the same planting time, conditions, techniques and cultural practices you normally use to plant and grow the bioassay crop(s). Also plant into an adjacent area not treated with Accent IS Herbicide to use as a comparison.

As the crop(s) emerges and grows, examine these key points in Accent IS Herbicide treated and non-treated areas:

-crop stand      -root development      -rate of growth      -plant colour and vigour      -yield

Allow the bioassay crop(s) to grow to maturity while making your observations. Do not overspray the test strips with herbicides that may damage the bioassay crop(s). If the bioassay indicates that Accent IS Herbicide residues are still present, continue cropping only to those crops listed on the label and do not rotate to other crops until bioassay results indicate that susceptible crops are growing normally.

### USE PRECAUTIONS

Do not apply Accent IS Herbicide during periods of intense rainfall or to soils saturated with water. Do not apply directly to standing or running water. Do not apply in areas where surface water from the treatment site can run off to adjacent cropland, either planted or to be planted, or into bodies of water (such as streams, ponds, wetlands, irrigation water), or wells. Applications should only be made when there is no hazard of spray drift contaminating non-target land areas since very small quantities of the Accent IS Herbicide spray solution may severely injure susceptible crops during both growing and dormant periods.



As with any herbicide, overlaps or starting, stopping, slowing and turning while spraying may result in crop injury.

Overspray or drift to important wildlife habitats such as ponds, wetlands, streams, vegetated areas at the edges of bodies of water, woodlots and shelterbelts should be avoided. Leave a 22-metre spray buffer zone between the last spray swath and bodies of water or wetlands. Leave a 5-metre spray buffer zone between the last spray swath and the terrestrial habitats listed above.

Do not apply Accent IS Herbicide within 30 days of corn harvest (silage, fodder or grain)

Do not graze or feed treated corn forage, silage, fodder or grain for at least 30 days after an application of Accent IS Herbicide.

### **RESISTANCE-MANAGEMENT RECOMMENDATIONS**

For resistance management, Accent IS Herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to Accent IS Herbicide and other Group 2 herbicides. The resistance 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 Accent IS 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 when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.
- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Monitor treated weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- 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 your local Corteva Agriscience Canada Company representative or the Corteva Agriscience Canada Company hotline at 1-800-667-3852 for further information.

### **STORAGE**

Store product in original container only, away from other pesticides, fertilizers, food or feed. Not for use or storage in or around the home. Keep container closed.

**DISPOSAL**

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.

**For recyclable containers**

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.

**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 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.

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Specimen Notes:  
Initial Release