



Bayer CropScience

GROUP	27 4	HERBICIDE
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Container

DIFLEXX® DUO

SUSPENSION HERBICIDE

FOR CONTROL OF WEEDS IN FIELD CORN

FOR USE ONLY IN EASTERN CANADA AND MANITOBA

AGRICULTURAL

GUARANTEE:

Tembotrione.....32 g/L
Dicamba, present as diglycolamine salt..... 151 g/L

Contains 1,2-benzisothiazolin-3-one at 0.035% and 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0009% and 2-methyl-4-isothiazolin-3-one at 0.0003% as preservatives.

REGISTRATION NO. 32604 **PEST CONTROL PRODUCTS ACT**

CAUTION EYE IRRITANT

READ THE LABEL AND THE BROCHURE BEFORE USING

KEEP OUT OF REACH OF CHILDREN

NET CONTENTS: 1 L to BULK

Product Information: 1-888-283-6847
www.bayercropscience.ca

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

In case of spills, poisoning or fire, telephone emergency response number 1-800-334-7577 (24 hours a day).

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.

DIRECTIONS FOR USE: See the printed booklet provided with this container.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear a long-sleeved shirt, long pants, chemical resistant gloves and shoes plus socks during mixing, loading, application, clean-up and repair.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

- Wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Apply only when the potential for drift to areas of human habitation or activity such as houses, cottages, schools and recreational areas is minimal taking into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

If this pest control product is to be used on a commodity that may be exported and you require information regarding Maximum Residue Limits for an importing country, please contact Bayer CropScience Canada Inc. at 1-888-283-6847 or www.bayercropscience.ca.

FIRST AID:

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

If swallowed: Call a poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

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 further 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.

TOXICOLOGICAL INFORMATION:

Dicamba may cause severe 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.

ENVIRONMENTAL PRECAUTIONS AND INFORMATION:

This product contains active ingredients that are toxic to aquatic organisms, non-target terrestrial plants and small wild mammals. Refer to the label booklet DIRECTIONS FOR USE (Section 9.2) for additional ENVIRONMENTAL PRECAUTIONS and observe BUFFER ZONES specified.

STORAGE:

Store in a cool, dry place. Do not store below freezing. Shake well before using. Do not contaminate, water, food, or feed by storage and disposal. Store product in original container only and keep closed. Do not use or store in or around the home. To prevent contamination store this product away from food, feed, other pesticides, feeds, seeds or fertilizers.

DISPOSAL**Recyclable Container**

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: Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Returnable-Refillable Container: For disposal, this empty container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not use this container for any other purpose.

For non-recyclable Bag/Container

1. Thoroughly rinse the emptied plastic bag, or triple-rinse the empty container, and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the plastic bag/container prior to its disposal.
3. Make the empty plastic bag/container unsuitable for further use.
4. Dispose of the plastic bag/container in accordance with provincial requirements.

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 cleanup of spills.

™ DIFLEXX® DUO is a trademark of Bayer.



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Booklet

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GENERAL INFORMATION

SECTION 1: 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.

SECTION 2: THE PRODUCT

DIFLEXX DUO provides selective control of annual broadleaf weeds, control or suppression of many biennial and perennial broadleaf weeds and suppression of annual grasses in field corn (grown for grain, silage or seed). DIFLEXX DUO will control/suppress emerged weeds and may be applied pre-plant, pre-emergence or post-emergence of corn.

SAFETY AND HANDLING

SECTION 3: PRECAUTIONS, PROTECTIVE CLOTHING AND EQUIPMENT

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear a long-sleeved shirt, long pants, chemical resistant gloves and shoes plus socks during mixing, loading, application, clean-up and repair.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

- Wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Apply only when the potential for drift to areas of human habitation or activity such as houses, cottages, schools and recreational areas is minimal taking into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

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SECTION 4: FIRST AID AND TOXICOLOGICAL INFORMATION

FIRST AID:

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

If swallowed	<ul style="list-style-type: none"> • Call a poison control center 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 center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • 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 further treatment advice.
If in eyes	<ul style="list-style-type: none"> • 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.

TOXICOLOGICAL INFORMATION:

Dicamba may cause severe 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.

SECTION 5: ENVIRONMENTAL PRECAUTIONS AND INFORMATION

This product contains active ingredients that are toxic to aquatic organisms, non-target terrestrial plants and small wild mammals. Refer to DIRECTIONS FOR USE (Section 9.2) for additional ENVIRONMENTAL PRECAUTIONS and observe BUFFER ZONES specified.

SECTION 6: STORAGE

Store in a cool, dry place. Do not store below freezing. Shake well before using. Do not contaminate, water, food, or feed by storage and disposal. Store product in original container only and keep closed. Do not use or store in or around the home. To prevent contamination store this product away from food, feed, other pesticides, feeds, seeds or fertilizers.

SECTION 7: DISPOSAL

Recyclable Container

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:

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For non-recyclable Bag/Container

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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 cleanup of spills.

DIRECTIONS FOR USE

SECTION 8: CROPS AND WEEDS

8.1 FIELD CORN (GROWN FOR GRAIN, SILAGE OR SEED)

Not for use on sweet corn.

DIFLEXX DUO will control/suppress emerged weeds when applied along with the recommended adjuvant system. A maximum of one application may be made in field corn.

DIFLEXX DUO can be applied pre-plant, pre-emergence or post-emergence to corn (up to the 8 leaf growth stage) in all tillage systems (e.g. no-tillage, reduced tillage and conventional).

Not all field corn hybrids or inbred lines are tolerant to herbicides including DIFLEXX DUO. Use of this product must be approved by seed corn guides and/or contracting seed corn companies.

Apply with groundboom equipment only. DO NOT APPLY BY AIR.

Apply DIFLEXX DUO or DIFLEXX DUO tank-mixes in 180 to 350 litres of water/ha at a pressure of 150 to 275 kPa. Good coverage is essential to achieve optimum weed control. Uniform, thorough spray coverage is important to achieve consistent weed control. Select nozzles and pressure that deliver MEDIUM spray droplets as indicated in nozzle manufacturer's catalogs and in accordance with ASAE Standard S-572. Nozzles that deliver COARSE spray droplets may be used to reduce spray drift provided spray volume per hectare (L of water/ha) is increased to maintain coverage of weeds.

Pre-plant Surface and Pre-emergence Applications:

Do not use on sandy or sandy loam soils. Apply to medium to fine textured soils containing more than 2.5% organic matter.

Avoid direct chemical contact with the corn seed. If you plan to apply DIFLEXX DUO prior to corn emergence, be sure to place the corn seeds 4 cm or more below the soil surface. If seeds are planted less than 4 cm below the soil surface, delay application of DIFLEXX DUO until the spike stage.

Do not incorporate. If applications are made during planting, apply DIFLEXX DUO far enough behind the planting equipment to avoid incorporation by the planter wheel or other covering device. If soil crusting makes it necessary to use a rotary hoe after a pre-emergence treatment, delay hoeing the soil more than 1.3 cm deep.

Refer to section 9 for additional APPLICATION INSTRUCTIONS and USE LIMITATIONS.

8.2 APPLICATION RATE, TIMING AND WEEDS CONTROLLED

Spray Additives:

DIFLEXX DUO is a suspension concentrate that requires the use of an external adjuvant. DIFLEXX DUO

is to be used in conjunction with Hasten Spray Adjuvant plus liquid nitrogen fertilizer (28% UAN). Use of a spray-grade liquid nitrogen fertilizer is recommended. Do not use any other additives such as oils, wetting agents, or sticking agents.

Products	Rates	Corn Stage	Weed Stage
DIFLEXX DUO	1.9-2.85 L/ha	Surface pre-plant or pre-emergence or postemergence up to the 8-leaf growth stage	Emerged weeds up to the 6-leaf growth stage ⁶
plus Hasten Spray Adjuvant	1.75 L/ha		
plus UAN	3.5 L/ha		
Broadleaf weeds controlled: bindweed, <i>field</i> ² ; buckwheat, <i>Tartary</i> ; buckwheat, <i>wild</i> ; cleavers; cockle, <i>cow</i> ; fleabane, <i>Canada</i> ^{3,4} ; lady's-thumb; lamb's-quarters ¹ ; mustard, <i>hare's-ear</i> ; mustard, <i>Indian</i> ; mustard, <i>tumble</i> ; mustard, <i>wild</i> ; mustard, <i>wormseed</i> ; pigweed, <i>green</i> ; pigweed, <i>redroot</i> ¹ ; pigweed, <i>Russian</i> ; ragweed, <i>common</i> ^{1,4} ; ragweed, <i>false</i> ; ragweed, <i>giant</i> ⁴ ; sow-thistle, <i>perennial</i> ² ; spurry, <i>corn</i> ; smartweed, <i>green</i> ; thistle, <i>Canada</i> ² ; velvetleaf; waterhemp, <i>common</i> ⁴ Annual grassy weeds: Suppression of giant foxtail, green foxtail (up to 2 tillers) ⁵			

1. Including atrazine-resistant species.
2. Apply DIFLEXX DUO annually for three years at the flowering stage of bindweed and the budding stage of thistles.
3. Post-emergence application only.
4. Including glyphosate-resistant species; for control of glyphosate resistant weed species use the 2.85L/ha rate of DIFLEXX DUO.
5. For suppression of giant foxtail and green foxtail use the 2.85 L/ha rate of DIFLEXX DUO.
6. For the best control of annuals, spray when they are actively growing and in the seedling stage. Poor results may occur if weeds are well advanced at the time of application.

8.3 TANK-MIXTURES

For control of weed species listed for DIFLEXX DUO alone plus additional broadleaf weeds or grasses, DIFLEXX DUO may be tank mixed with one of the following herbicide tank-mix product options. Consult the label of the tank mix partner(s) for further instructions regarding directions for use, rates, any additional weeds not specified on this label, limitations and further restrictions, and precautions. Follow the more stringent label precautionary and PPE measures for mixing/loading/applying, and label statements pertaining to environmental protection, such as buffer zones, stated on all tank-mix product labels.

DIFLEXX DUO can be tank-mixed at a rate of 1.9 L -2.85 L/ha with Liberty or glyphosate herbicides:

Tank Mix Product	Tank Mix Product Rate/ha	Corn Stage	Weeds controlled
Liberty 200SN Herbicide	2.5 L	NOTE: Use on LIBERTY LINK corn only Postemergence from Spike to 8-leaf growth stage.	Weeds controlled by DIFLEXX DUO alone plus Liberty or glyphosate herbicides. Refer to weed/rate charts in

Roundup Weathermax	1.67 L	Surface pre-plant or pre-emergence and/or postemergence* up to the 8-leaf growth stage. * NOTE: Postemergence use on glyphosate tolerant corn only	respective product labels.
or Roundup Ultra 2	1.67 L		
or Touchdown TOTAL	1.8 L		
or Glyphos Soluble Concentrate	2.5 L		
or Vantage Plus or Vantage Plus Max	2.5 L 2.5 L		

SECTION 9: APPLICATION INSTRUCTIONS and USE LIMITATIONS

9.1 GENERAL REMINDERS FOR SUCCESSFUL OPERATION

- DO NOT APPLY BY AIR.
- DO NOT treat more than 150 ha of corn per day.
- DO NOT apply more than one application per growing season.
- DIFLEXX DUO should not be applied on or near desirable trees or plants.
- Do not treat areas where movement of the chemical into the soil or surface washing may bring DIFLEXX DUO into contact with roots of desirable plants.
- When applying DIFLEXX DUO adjacent to sensitive crops, apply as a pre-emergent or early post-emergent treatment to avoid potential drift onto these sensitive crops.
- For best results, apply to emerged, young, actively growing weeds.
- Weed control may be reduced if the application is made when weeds are dust covered or in the presence of heavy dew, fog, and mist/rain or when weeds are under stress and not actively growing due to drought, heat, lack of fertility, flooding, or prolonged cool temperatures.
- Under cool and/or dry conditions activity may be reduced or delayed.
- Do not apply DIFLEXX DUO to corn that exhibits injury from previous herbicides applications.
- Crop damage can occur if the chemical 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 DIFLEXX DUO is applied. However, the crop injury that may occur is usually offset by the weed control obtained.
- Apply DIFLEXX DUO when air temperature is between 10 and 25°C. Do not apply when there is a risk of severe fall in night temperature after use.
- Do not contaminate domestic or irrigation water. Thoroughly clean application equipment.

9.2 ADDITIONAL ENVIRONMENTAL PRECAUTIONS, SPRAY DRIFT MANAGEMENT AND BUFFER ZONES

ADDITIONAL ENVIRONMENTAL PRECAUTIONS

DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), estuarine or marine habitats.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation/drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

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, poorly draining soil (e.g. soils that are compacted, fine textured or low in organic matter such as clay).

Potential 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.

SPRAY DRIFT MANAGEMENT

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. Nozzles that deliver COARSE spray droplets may be used to further reduce spray drift potential, however, application volume per hectare (L of water per hectare) should be increased to maintain coverage and weed control.

DIFLEXX DUO may cause injury to desirable trees and plants, particularly non-dicamba tolerant soybeans, flowers, fruit trees, grapes, ornamentals, peas, potatoes, tomatoes, tobacco, and other broadleaf plants especially in their developmental and growing stage. Spray drift may result in injury to non-target crops or vegetation. AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.

Follow these precautions when spraying in the vicinity of sensitive crops:

Treat when wind is 3 to 15 km/hr. Do not apply during periods of dead calm or when weather conditions may cause drift from target areas to adjacent sensitive crops. Leave an adequate buffer zone between treatment areas and sensitive plants.

Use coarse sprays since they are less likely to drift than fine sprays. Select nozzles which minimize amounts of the fine spray particles. Keep the spray pressure below 150 kPa and the spray volume

above 220 L/ha unless otherwise required by the nozzle manufacturer.

Do not spray when the temperature is expected to exceed 30°C.

Avoid spraying under conditions of high humidity or fog.

Buffer Zones

Use of the following spray methods or equipment DO NOT require a buffer zone: hand-held or backpack sprayer, spot treatment and inter-row hooded sprayer.

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, rangelands, 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.

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) 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.

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.

Method of application	Crop	Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial habitat
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer*	Field Corn	1	1	1	1	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%.

9.3 ROTATIONAL CROPS

Only the following crops have been field tested to indicate they may be safely planted at the prescribed interval after an application of DIFLEXX DUO. To avoid the possibility of injury to subsequent crops after an application of the recommended rate of DIFLEXX DUO, follow the crops and replanting interval which appear on this label, and if tank mixing on the label of the tank mix partner, and always observe the most restrictive replanting interval.

Immediate plant back*	3-4 months	10 months	22 months
Field Corn	Winter Wheat	Soybean Field Corn Sweet Corn Spring Wheat Potato	Dry Beans

* In the event that corn crop treated with DIFLEXX DUO is lost due to environmental conditions and re-seeding is required, field corn may be reseeded immediately.

SECTION 10: PRE-HARVEST, PRE-GRAZING/FEEDING AND RE-ENTRY INTERVALS

- Corn grain and stover may be harvested once the crop has reached the ensilage (milk) stage.
- DO NOT re-enter or allow worker entry to treated fields within 12 hours of application.

- If tank mixing, always respect the maximum intervals stated on the labels of all the tank mix products.
- Do not graze or feed the immature corn to livestock within 60 days of DIFLEXX DUO application.
- Withdraw meat animals from treated field at least 3 days before slaughter.

SECTION 11: MIXING INSTRUCTIONS

DIFLEXX DUO must be applied with clean and properly calibrated equipment. Prior to adding DIFLEXX DUO, ensure that the spray tank, filters and nozzles have been thoroughly cleaned and that agitation system is properly working.

1. Fill spray tank with 50% of the required volume of water, and begin agitation.
2. Agitate the DIFLEXX DUO product container thoroughly by shaking, circulating or stirring prior to adding the herbicide into the spray tank.
3. Add the appropriate amount of DIFLEXX DUO slowly to the spray tank or mixing system and ensure complete dispersion. Maintain and ensure thorough dispersion and sufficient agitation during both mixing and spraying.
4. If tank mixing with another pesticide, add the tank mix product next (except in the case of glyphosate which should be added after the nitrogen fertilizer is dispersed).
5. Add nitrogen fertilizer.
6. Add the adjuvant.
7. Fill the spray tank with balance of water needed.

Proper agitation should be maintained within the tank to keep the product dispersed.

Apply DIFLEXX DUO spray mixtures within 24 hours of mixing to avoid product degradation.

SECTION 12: SPRAYER CLEANUP

CLEANING SPRAY EQUIPMENT

Severe crop injury may occur if any DIFLEXX DUO remains in the spray equipment following application and is subsequently applied to sensitive crops. After using DIFLEXX DUO, clean all mixing and spray equipment (including tanks, pumps, lines, filters, screens, and nozzles) with a strong detergent or commercial sprayer cleaner, using a triple rinse procedure:

1. After spraying, drain the sprayer (including boom). DO NOT allow the spray solution to remain in the spray boom lines overnight or for extended periods of time.
2. Flush tank, hoses, boom, and nozzles with clean water.
3. Inspect and clean all strainers, screens, and filters.

4. Prepare a cleaning solution with ammonia (1 L for every 100 L of water) or a commercial sprayer cleaner according to the manufacturer's directions.
5. Wash all parts of the tank, including the inside top surface. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
6. Flush hoses, spray lines, and nozzles with the cleaning solution for at least 1 minute.
7. Repeat above steps for two additional times to accomplish an effective triple rinse.
8. Remove nozzles, screens, and strainers, and clean separately in the cleaning solution after completing the above procedures.
9. Dispose of rinsate in compliance with the provincial regulatory agency guidelines.
10. Drain pump, filter, and lines.
11. Rinse the complete spraying system with clean water.

SECTION 13: RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, DIFLEXX DUO is a Group 4 and 27 herbicide. Any weed population may contain or develop plants naturally resistant to DIFLEXX DUO and other Group 4 and 27 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 DIFLEXX DUO or other Group 4 and 27 herbicide 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 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 Bayer CropScience Inc. via internet at www.bayercropscience.ca or telephone at 1-888-283-6847.

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