

2021-0639
2024-02-22

**** Container label ****

SC500™



SUSPENSION HERBICIDE

FOR WEED CONTROL IN FIELD CORN, SEED CORN, AND SOYBEANS

AGRICULTURAL

ACTIVE INGREDIENT: diflufenican 500 g/L

Contains 1,2-benzisothiazolin-3-one at 0.04% as preservative.

REGISTRATION NO. 35119 PEST CONTROL PRODUCTS ACT

**READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

SHAKE WELL BEFORE USING

NET CONTENTS: 1 L to bulk

Product Information: 1-888-283-6847

Bayer CropScience Inc.
Suite 200, 160 Quarry Park Blvd. SE
Calgary, AB 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.

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

DO NOT apply by air.

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN

Wash thoroughly with soap and water after handling. **PERSONAL PROTECTIVE EQUIPMENT (PPE):** 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. Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (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 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. Obtain prompt medical aid if poisoning should occur.

Apply only to agricultural crops when the potential for drift to areas of human habitation or areas of 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 enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

When tank-mixes are permitted, read and observe all label directions, including rates and restrictions for each product used in the tank-mix. Follow the more stringent label precautionary measures for mixing, loading and applying stated on both product labels.

Note: 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.cropscience.bayer.ca.

FIRST AID: 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. If on skin or on 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 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.

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

TOXICOLOGICAL INFORMATION: No specific antidote is available. Treat the patient symptomatically.

ENVIRONMENTAL PRECAUTIONS: This product is toxic to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE. To reduce runoff from treated areas into aquatic habitats avoid application to 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 filter strip between the treated area and the edge of the water body.

STORAGE: Store this product away from food or feed. Store in cool, dry place and in such a manner as to prevent cross contamination with other pesticides, seed and fertilizers. Store in original container and out of reach of children, preferably in a locked storage area. DO NOT store in direct sunlight. DO NOT store below freezing. DO NOT allow prolonged storage in temperatures that exceed 40°C. DO NOT use or store in or around the home.

DISPOSAL:

For 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.

For 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).

For CONTAINERS THAT CAN BE REFILLED FOR THE USER BY THE DISTRIBUTOR/DEALER: 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.

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.

TMSC500 is a trademark of Bayer.

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**** Booklet label ****



SC500™

GROUP	12	HERBICIDE
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GENERAL INFORMATION

SECTION 1: NOTICE TO USER

This pest control product is only to be used 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.

SECTION 2: THE PRODUCT

SC500 is a selective herbicide for control of Amaranthus weed species in field corn (grown for grain, silage or seed) and soybeans. SC500 can be applied pre-plant or pre-emergence of corn and soybeans.

SAFETY AND HANDLING

SECTION 3: PRECAUTIONS, PROTECTIVE CLOTHING AND EQUIPMENT

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

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.

Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (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 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. Obtain prompt medical aid if poisoning should occur.

Apply only to agricultural crops when the potential for drift to areas of human habitation or areas of 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 enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

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SECTION 4: FIRST AID AND TOXICOLOGICAL INFORMATION

FIRST AID

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.

If on skin or on 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.

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

TOXICOLOGICAL INFORMATION: No specific antidote is available. Treat the patient symptomatically.

SECTION 5: ENVIRONMENTAL PRECAUTIONS

This product is toxic to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

To reduce runoff from treated areas into aquatic habitats avoid application to 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 filter strip between the treated area and the edge of the water body.

SECTION 6: STORAGE

Store this product away from food or feed. Store in cool, dry place and in such a manner as to prevent cross contamination with other pesticides, seed and fertilizers. Store in original container and out of reach of children, preferably in a locked storage area. DO NOT store in direct sunlight. DO NOT store below freezing. DO NOT allow prolonged storage in temperatures that exceed 40°C. DO NOT use or store in or around the home.

SECTION 7: DISPOSAL

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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 clean-up of spills.

DIRECTIONS FOR USE

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 or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

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 S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

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.

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, 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.

Spray Buffer Zones

Method of application	Crop	Spray Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Estuarine/Marine Habitat of Depths:		Terrestrial Habitat:
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer (medium)	Corn, soybean	5	3	1	1	2

When tank mixes are permitted, 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.

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.

8.1 CROPS AND APPLICATION TIMING

FIELD CORN (GROWN FOR GRAIN AND SILAGE) AND SEED CORN Not for use on sweet corn or popcorn.	SOYBEAN
<ul style="list-style-type: none"> • SC500 may be applied either alone or in tank-mixtures with certain other registered and recommended herbicides. • SC500 may be applied pre-plant surface or pre-emergence to corn. • SC500 may be used for all tillage systems (e.g. no-tillage, reduced tillage and conventional). • Corn seeds must be planted at least 4 cm below the soil surface. • Not all seed corn inbred lines have been tested for tolerance to SC500. Use of this product on seed corn must be approved by the contracting Seed Corn Company and comply with the directions given by the contractor. <p>Maximum application rate of SC500 in field and seed corn: DO NOT apply more than 300 mL SC500 per hectare per season.</p>	<ul style="list-style-type: none"> • SC500 may be applied either alone or in tank-mixtures with certain other registered and recommended herbicides. • SC500 may be applied pre-plant surface or pre-emergence to soybean. • SC500 may be used for all tillage systems (e.g. no-tillage, reduced tillage and conventional). • Soybean seeds must be planted at least 4 cm below the soil surface. <p>Maximum application rate of SC500 in soybean: DO NOT apply more than 360 mL SC500 per hectare per season.</p>
<p>Pre-plant/Pre-emergence Surface: Apply SC500 alone or in combination with recommended tank-mixes as a broadcast spray up to 14 days before planting or within 3 days after planting and prior to crop emergence. Application should not be made when the crop has begun to crack the ground or emerge; this can result in severe crop injury. Failure to thoroughly close and firm the seed furrow may allow herbicide to directly contact the seed which can cause injury. After a pre-plant surface application, if possible, DO NOT move treated soil out of the row or move untreated soil to the soil surface during planting, as weed control may be reduced. SC500 may be tank-mixed for control of additional weeds.</p> <p>SC500 will control small emerged redroot and green pigweed (up to 5 cm in height). When weeds present at time of treatment are beyond 5 cm in height, SC500 must be tank-mixed with registered burndown herbicides. Refer to the tank-mix section in this label for further information.</p> <p>APPLICATION WITH WATER OR NITROGEN SOLUTION AS A DILUENT CARRIER:</p> <ul style="list-style-type: none"> • For surface preplant (up to 14 days prior to planting) and preemergence applications, sprayable grade fluid fertilizer (nitrogen solution) may replace all or part of the water as a carrier. • Check for compatibility by combining all ingredients in a small container in the same ratio as the anticipated use. If any indications of physical incompatibility develop, DO NOT use this mixture for spraying. Indications of incompatibility usually will appear 5-15 minutes after mixing. 	
<p>Refer to Section 9 for additional application instructions and use limitations.</p>	

8.2 APPLICATION RATE AND WEEDS CONTROLLED

SC500 applied in pre-plant surface or pre-emergence treatments at **120 – 360 mL/ha** depending on target weeds according to label recommendations will provide control of the following weed species:

Weeds controlled ^{1,2}	APPLICATION RATE/Level of Control
<p>Redroot pigweed Green pigweed</p>	<p>Apply a minimum of 120 mL SC500/ha for early-season control. The lower rates are only recommended for low weed pressure and when there is a two-pass weed control system planned with a registered in-crop herbicide treatment.</p> <p>Apply a minimum of 180 mL SC500/ha for season-long control.</p> <p>Use higher rates within the labelled rate range for more consistent control and longer residual.</p>
<p>Tall waterhemp</p>	<p>Apply a minimum of 180 mL SC500/ha for early-season control. The lower rates are only recommended for low weed pressure and when there is a two-pass weed control system planned with a registered in-crop herbicide treatment.</p> <p>Apply a minimum of 240 mL SC500/ha for season-long control.</p> <p>Use higher rates within the labelled rate range for more consistent control and longer residual.</p>
<p>Palmer amaranth</p>	<p>Apply a minimum of 180 mL SC500/ha for early-season control. The lower rates are only recommended for low weed pressure and when there is a two-pass weed control system planned with a registered in-crop herbicide treatment.</p> <p>Use 360 mL/ha for season-long control.</p> <p>Use higher rates within the labelled rate range for more consistent control and longer residual.</p>

¹ not emerged at time of application.

² includes ALS/SU (Group 2), microtubule (Group 3), auxin (Group 4), triazine (Group 5), glyphosate (Group 9), PPO (Group 14), acetamide (Group 15) and HPPD (Group 27)-resistant biotypes.

SC500 treatments are most effective in controlling weeds when adequate rainfall is received within 14 days after application.

Burndown of emerged redroot and green pigweeds:

Apply a minimum of 120 mL SC500/ha for burndown of emerged weeds up to 5 cm in height. Use higher rates up to 180 mL SC500/ha for more consistent burndown control and longer residual.

8.3 TANK-MIXTURES:

For control of weed species listed for SC500 alone plus additional weeds, SC500 may be tank-mixed with one of the following herbicides. Consult the labels of the tank-mix partners for pertinent recommendations, directions for use, restrictions, and precautions not specified on this label. Unless prohibited on this or other product labels apply as a broadcast or band application.

SC500 can be tank-mixed with the following herbicides at labelled rates for additional weed control:

CONSULT TANK-MIX PARTNER LABELS FOR COMPLETE INSTRUCTIONS AND RESTRICTIONS. ALWAYS USE MOST RESTRICTIVE DIRECTIONS ON THE LABEL OF THE PRODUCTS INVOLVED IN THE TANK-MIXTURE.

Tank-mix Partner	Crop	Application Timing
Aatrex Liquid 480 Herbicide	Field corn (grown for grain or silage)	Pre-emergence
XtendiMax with VaporGrip Technology		
XtendiMax 2 with VaporGrip Technology		
Converge FLEXX Herbicide	Field corn (grown for grain or silage) and seed corn	
Roundup WeatherMAX with Transorb 2 Technology Liquid Herbicide		
Roundup Transorb HC Liquid Herbicide	Field corn (grown for grain or silage)	Pre-plant surface or pre-emergence
R/T 540 Liquid Herbicide		
CO-OP Vector 540 Liquid Herbicide		
Roundup Xtend with VaporGrip Technology Herbicide		
Roundup Xtend 2 With VaporGrip Technology		

Sencor 75 DF Herbicide	Soybean	Pre-plant surface or pre-emergence
Sencor 480 F		
Roundup WeatherMAX with Transorb 2 Technology Liquid Herbicide	Roundup Ready 2 Xtend Soybeans only	
Roundup Transorb HC Liquid Herbicide		
Roundup Xtend with VaporGrip Technology Herbicide		
Roundup Xtend 2 With Vaporgrip Technology		
XtendiMax with VaporGrip Technology		
XtendiMax 2 with VaporGrip Technology		

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Bayer CropScience Inc. at www.cropscience.bayer.ca or phone 1-888-283-6847 for information before applying any tank mix that is not specifically recommended on this label.

SECTION 9: APPLICATION INSTRUCTIONS AND PRECAUTIONS

9.1 GENERAL REMINDERS FOR SUCCESSFUL OPERATION

- DO NOT make more than one application in corn or soybean per season.
- DO NOT use on popcorn and sweet corn.
- DO NOT apply to emerged crop.
- SC500 treatments are most effective in controlling weeds when adequate rainfall or overhead sprinkler irrigation is received within 14 days after application.
- DO NOT use flood irrigation to apply or activate SC500.
- Weed control may not be adequate under severe drought conditions.
- Reduced residual weed control may occur when applications are made to fields where heavy crop and/or weed residue exist.
- Plant corn or soybean at least 4 cm deep. Failure to close the seed furrow may allow herbicide spray to

directly contact the seed which can cause injury.

- Under adverse conditions, bleaching may occur on corn seedlings or young soybeans with no adverse effect on maturity or crop yield. These conditions include cold weather, heavy rainfall soon after application, excessive moisture and/or compacted soils. The symptoms are most visible where excessive rates have been applied, such as sprayer overlaps.
- Uneven application such as swath overlapping, variable tractor speed, spraying on turns, etc., may result in crop injury and increase chances of injury to succeeding crops.
- Avoid overlapping; shut off spray boom while starting, turning, slowing or stopping to prevent crop injury from an over application.
- DO NOT apply SC500 to field corn or soybean grown on loamy sands or sands and/or soils with less than 2 % O.M.
- Follow directions under Section 8 for the correct rate and timing of application.
- SC500 delivered via drift or tank contamination can cause severe damage to other crops. Careful management of spray drift and tank cleanout is required (refer to section 9.3- SPRAY DRIFT MANAGEMENT and section 12-SPRAYER CLEAN-UP).

9.2 GROUND APPLICATION

Apply SC500 alone or in tank-mixtures, by ground equipment only.

DO NOT apply by air.

Ground Broadcast Treatment:

- Accurately calibrate the sprayer prior to mixing the herbicide treatments.
- Apply SC500 in a minimum of 100 L/ha of total spray volume. Sprayable fluid fertilizer (nitrogen solution) may replace all or part of the water as a carrier for pre-plant surface and pre-emergence applications.
- Refer to the nozzle manufacturer's recommendations for proper nozzle, pressure setting and sprayer speed for optimum product performance and minimal spray drift.
- For best results use flat fan nozzles or comparable nozzles to achieve uniform spray distribution. DO NOT apply with hollow cone nozzles or with other application equipment which does not provide uniform coverage.
- Agitate thoroughly before and during application with either bypass or mechanical agitation.

9.3 ROTATIONAL CROPS AND FIELD BIOASSAY

Only the following crops have been field tested to indicate they may be safely planted at the prescribed interval after an application of SC500. To avoid the possibility of injury to subsequent crops after an application of the recommended rate of SC500, follow the crops and replanting interval which appear on this label and the label of the tank-mix partner, and always observe the most restrictive replanting interval.

A field bioassay must be conducted the year prior to growing any other crop of interest to confirm crop safety. Failure to follow the rotational cropping guidelines could result in injury to seeded crop(s).

Application rates of SC500	Re-cropping Interval	Rotational Crop
up to 360 mL/ha	immediate plant back ¹	Soybean
	30 days	Field Corn
	4 months	Winter wheat
	The year following application	Wheat (spring and durum), triticale, barley, oats, rye
		Timothy, red fescue and bromegrass
		Field peas, processing peas
		Lentil
		Lupins
		Clover
Potato		
Tomato (transplants)		
up to 300 mL/ha	immediate plant back ²	Field Corn
up to 240 mL/ha	The year following application	Canola
		Sugar beet

¹ In the event that crop treated with SC500 up to 360 mL/ha is lost due to environmental conditions and re-seeding is required, soybean may be reseeded immediately. **DO NOT** make a second application of SC500.

² In the event that crop treated with SC500 up to 300 mL/ha is lost due to environmental conditions and re-seeding is required, field corn may be reseeded immediately. **DO NOT** make a second application of SC500.

FIELD BIOASSAY:

Select a representative area or areas of the field previously treated with SC500 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 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 SC500 to use as a comparison. As the crop(s) emerges and grows, examine these key points in SC500-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 SC500 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. DO NOT ROTATE TO OTHER CROPS UNTIL BIOASSAY INDICATES NORMAL GROWTH WITH NO YIELD REDUCTIONS.

SECTION 10: MIXING INSTRUCTIONS

SC500 must be applied with clean and properly calibrated equipment. Prior to adding SC500, ensure that the spray tank, filters and nozzles have been thoroughly cleaned and that the agitation system is properly working.

1. Fill spray tank with $\frac{1}{4}$ to $\frac{1}{2}$ of the required volume of water or liquid fertilizer prior to the addition of SC500.
2. Add SC500 slowly to the tank and agitate, then add the rest of the water or liquid fertilizer to the desired level.
3. Maintain sufficient agitation to ensure a uniform spray mixture during application.
4. If SC500 is applied in tank-mixtures with other pesticides, add SC500 to the spray tank first and ensure that it is thoroughly dispersed before adding other pesticides.
5. Continue to fill the tank with water or liquid fertilizer to the desired volume while agitating.

Proper agitation should be maintained while applying to ensure a uniform spray mixture. DO NOT allow mixtures to stand for prolonged periods of time. If the spray solution is allowed to settle for one hour or more, re-agitate the spray solution for a minimum of 10 minutes before application.

SECTION 11: SPRAYER CLEANUP

Mixing and spray equipment, including pumps, nozzles, lines and screens must be thoroughly cleaned with a good quality tank cleaner to remove remaining traces of herbicide that might injure other crops. Before and

after using SC500 always complete a thorough cleaning of the spray tank, lines and filters. Mix only as much cleaning solution as needed. The following procedures are recommended:

1. Drain any remaining spray solution of SC500 from the spray tank and flush tank, hoses, boom and nozzles with clean water.
2. Use a pressure washer to clean the inside of the spray tank with this solution. Take care to wash all parts of the tank, including the inside top surface. If a pressure washer is not available, completely fill the sprayer with the cleaning solution to ensure contact of the cleaning solution with all internal surfaces of the tank and plumbing. 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.
3. Flush hoses, spray lines, and nozzles for at least 1 minute with the cleaning solution.
4. Dispose of rinsate from steps 1-3 in accordance with provincial regulations.
5. Repeat steps 2-4.
6. Wash away any spray mixture from the outside of the spray tank, nozzles or spray rig.
7. Remove nozzles, screens and strainers and clean separately in the ammonia solution after completing the above procedures.
8. Rinse the complete spraying system with clean water.

Consult the label of the tank-mix partners for any additional sprayer clean-up instructions.

SECTION 12: RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, please note that SC500 is a group 12 herbicide. Any weed population may contain or develop plants naturally resistant to Group 12 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same fields. 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:

1. Where possible, rotate the use of SC500 or other Group 12 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.
2. 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.
3. 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.
4. 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 using an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment, and planting clean seed.
5. Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.

6. 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.
7. For further information or to report suspected resistance contact Bayer via internet at www.cropscience.bayer.ca or phone 1-888-283-6847.

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