

GROUP

8

HERBICIDE

SURPASS[®] 8-E
EMULSIFIABLE LIQUID

COMMERCIAL

SELECTIVE HERBICIDE FOR FIELD, SWEET AND SILAGE CORN IN MINERAL SOILS

GUARANTEE:

Vernolate, 800 Grams Per Litre

READ THE LABEL BEFORE USING

CAUTION



POISON

REGISTRATION NO. **16613**
PEST CONTROL PRODUCTS ACT

NET CONTENTS : **20 Litres**

Syngenta Crop Protection Canada, Inc.
140 Research Lane
Research Park, University of Guelph
Guelph, ON N1G 4Z3

EPA Est. 10182-NB-001

C93/A-3

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

NOTICE TO BUYER

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

FIRST AID

IN CASE OF POISONING, contact a physician or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If a known exposure occurs or is suspected, immediately initiate the recommended procedures below. If further treatment is required, contact a Poison Centre, a physician, or the nearest hospital.

IF SWALLOWED: Immediately give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have medical personnel determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious person.

IF ON SKIN: Flush all affected areas with plenty of water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention if skin irritation occurs. Wash clothing before reuse.

IF IN EYES: Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention.

IF INHALED: Remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

TOXICOLOGICAL INFORMATION

SURPASS 8-E is a weak cholinesterase inhibitor. Atropine is antidotal. Use of pralidoxime chloride (2-PAM, PROTOPAM) is not recommended. Treat eye, skin or naso-pharyngeal irritation symptomatically.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. Avoid contact with eyes, skin, and clothing. Do not breathe spray mist. Wear goggles, rubber gloves and appropriate protective clothing and devices when handling. Wash thoroughly after use. Do not contaminate feed, fertilizer, seed or food.

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 U.S., contact 1-866-375-4648 or www.cropro.org.

STORAGE

Do not contaminate water, food, seed, feed, or fertilizers by storage or disposal. Minimum storage temperature is -46°C.

SPILL CLEANUP

Wear appropriate protective equipment (gloves, glasses, apron) when attempting to clean up the spill. If the container is leaking, secure leak and place the container into a drum or heavy gauge plastic bag. Contact Syngenta Crop Protection Canada, Inc. (see EMERGENCY TELEPHONE NUMBERS) for further information.

For spills and leaks; contain the liquid with dikes of inert material (soil, clay, kitty litter etc.. Absorb the spill onto inert material and shovel into a sealable waste container

On hard surfaces - sprinkle spill area with detergent and scrub in a small quantity of water with a coarse broom. Let stand 10 minutes then absorb onto an inert material and shovel into the waste container.

On soil - remove the top 15 cm of soil in the spill area and replace with fresh soil. Dispose of all waste including scrub brush in accordance with provincial requirements. For information on the 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.

DECONTAMINATION AND 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.

CONTAINER DISPOSAL:

FOR DISPOSAL OF PLASTIC JUGS:

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.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING
CALL 1-800-327-8633 (FASTMED)***

PRODUCT INFORMATION

SURPASS 8-E is a selective herbicide which is mixed (incorporated) into the soil for control of weeds listed on this label. SURPASS 8-E controls annual weeds as their seeds germinate by interfering with normal germination and seedling development. It does not control established weeds. All weed growth and crop stubble should be thoroughly worked into the soil before treatment.

DIRECTIONS FOR USE

Read all label directions before using.

Applied according to directions and under normal growing conditions, SURPASS 8-E will not harm the treated crop. During germination and early stages of growth, extended periods of unusually cold and wet or hot and dry weather, insect or plant disease attack, carry-over pesticide residues, the use of certain soil-applied systemic insecticides, improperly placed fertilizers or soil insecticides may create abnormal conditions that weaken crop seedlings. SURPASS 8-E used under these abnormal conditions could result in crop injury.

Do not use on other crops including sorghum. Do not use on corn seed stock (Breeders, Foundation, or Increase).

SURPASS 8-E is recommended for use on mineral soils only. Weed control may be reduced on soils with over 10 percent organic matter.

Do not contaminate any body of water including irrigation water or water used for domestic purposes.

Do not tank mix SURPASS 8-E with insecticides or fungicides unless the tank mixture has been registered for this purpose.

Do not graze, or cut for fodder, treated immature crops (In the case of corn, immature means before ear emergence). There are not sufficient data available to support such use.

DO NOT APPLY BY AIR.

WEEDS CONTROLLED

SURPASS 8-E will not control established weeds.

TANK MIX		
	ALONE	Atrazine
Annual Grasses		
Barnyard Grass (Water grass)	Y	Y
Crab Grass	Y	Y
Foxtails (Green and Yellow)	Y	Y
Goose Grass	Y	Y
Wild Oats	N	Y
Annual Broadleaf Weeds		
Smartweed	N	Y
Carpetweed	Y	Y
Annual Morning Glory	Y	Y
Lamb's-quarters	Y	Y
Pigweed	Y	Y
Purslane	Y	Y
Ragweed	N	Y
Mustards	N	Y
Lady's-thumb	N	Y
Velvetleaf	Y	Y
Wild Buckwheat	N	Y
Perennial Weeds		
Yellow Nutsedge (nutgrass)	Y	Y

Existing stands of yellow nutsedge (nut grass) must be turned under and chopped up thoroughly before treatment. Cultivation is recommended in addition to SURPASS 8-E treatment in fields with moderate to heavy infestations of nut grass.

A sequential application of 2,4-D or BANVEL® may be necessary to control weeds resistant to SURPASS 8-E.

APPLICATION RATES

All rates are expressed in litres of SURPASS 8-E and AATREX FL and Atrazine FL, and in kilograms of AATREX NINE-O and Atrazine 90WP per broadcast hectare.

Important: Limit use on sweet corn to 5.5 litres SURPASS 8-E per hectare.

SURPASS 8-E ALONE:

For control of Annual Grasses and Broadleaf Weeds - Use 4.25 to 5.5 litres of SURPASS 8-E per hectare. Use the higher rate on medium (silt loam, clay loam, etc.) to heavy (clay) soils.

For control of Nutsedge (Nut grass) and Velvetleaf - Use 5.5 to 8.5 litres of SURPASS 8-E per hectare. Use the higher rates on medium (silt loam, clay loam, etc.) to heavy (clay) soils and for heavy infestations. Under moderate to heavy velvetleaf pressure, use of a recommended SURPASS 8-E/Atrazine tank mix combination treatment will result in improved control.

SURPASS 8-E/Atrazine TANK MIX COMBINATION (Atrazine equals AATREX®, NINE-O®, Atrazine 90-W, AATREX FL, and Atrazine 500 FLOWABLE*):

* Containing atrazine and related triazines totalling 500 g/L.

A tank mix combination of SURPASS 8-E and Atrazine can be applied and mixed into the soil before planting for weed control in corn. This combination will control a broader spectrum of weeds than either material used alone. The potential hazard of Atrazine residues affecting certain succeeding crops is reduced, because a lower rate of Atrazine can be used when it is combined with SURPASS 8-E than when it is used alone.

Make only one application per crop. After treatment with SURPASS 8-E/Atrazine combination, do not plant any crop except corn until the following year or injury may occur.

FOLLOW ALL USE PRECAUTIONS AND WARNINGS THAT APPEAR ON THE SURPASS 8-E and ATRAZINE LABELS.

For control of Annual Grasses and Broadleaf Weed (except Velvetleaf) - Use 4.25 to 5.5 litres of SURPASS 8-E and 1.25 to 1.7* kilograms of AATREX NINE-O, Atrazine 90W or 2.25 to 3.00 litres of AATREX FL, Atrazine FL per hectare. Use the higher rate of SURPASS 8-E on medium (silt loam, clay loam, etc.) to heavy (clay) soils and for heavy infestations.

For control of Yellow Nutsedge (Nut grass) and Velvetleaf - Use 5.5 to 8.5 litres of SURPASS 8-E and 1.25 to 1.7* kilograms of AATREX NINE-O, Atrazine 90W or 2.25 or 3.00 litres of AATREX FL or Atrazine FL per hectare. Use the higher rate of SURPASS 8-E on medium (silt loam, clay loam, etc.) to heavy (clay) soils and for heavy infestations.

* Use the higher rates of Atrazine on soils with over 5% organic matter.

MIXING AND SPRAYING

Apply the recommended dosage in 100 to 500 litres of water per hectare (use the higher volume in arid areas) using a properly calibrated, low-pressure type nozzle (flood, fan or swirl chamber, 140 to 275 kPa) on boom-type sprayer having good, but not excessive agitation. Check frequently during application to be sure nozzles are free from clogging and are delivering a uniform spray pattern.

The SURPASS 8-E/Atrazine combination can be mixed with water and applied as a spray. Mix the recommended amount of Atrazine in a 20 litre pail with sufficient water to make a slurry. Pour the slurry into a nearly filled spray tank while agitating. Next, add the recommended amount of SURPASS 8-E. Fill the remaining portion of the tank with water; mix thoroughly. Maintain moderate agitation to provide a uniform mix during application. Do not use excessive agitation, as it may cause the Atrazine to settle out and set up in the spray tank. All return lines to the tank must discharge below liquid level. Read directions on ATRAZINE label concerning nozzle and screen sizes.

INCORPORATION DIRECTIONS

SURPASS 8-E must be incorporated into the soil immediately after application to prevent loss of the herbicide. Whenever possible, application and incorporation should be done in the same operation.

Custom applicators, see directions for 'Time Lag' incorporation under 'DIRECTION FOR USE' for SURPASS 8-E/Atrazine tank mixes.

The following equipment is commonly used for soil mixing (incorporation) before planting. Always follow with Western Rolling Harrows.

TYPE OF EQUIPMENT	WORKING DEPTH	MINIMUM SPEED
S Tyne (Danish) Cultivator *	10 - 15 cm	8 - 13 km/hr
C Tyne Cultivator with overlapping sweeps *	10 - 15 cm	9.5 + km/hr
Tandem Disks (max 45cm spacing between disks) **	10 - 15 cm	6.5 - 9.5 km/hr
Power Driven Cultivator ***	5 - 7.5 cm	ANY

* Recommended for lighter soils in good tilth only

** For more thorough mixing, (perennial weeds and in heavier soils) cross disk a second time at maximum 10 cm depth.

*** For control of shallow, annual weeds only.

CULTURAL PRACTICES FOLLOWING APPLICATION

Plant seed to a maximum depth of 5 centimetres within 2 weeks after treatment. To avoid removing SURPASS 8-E from the row (with loss of weed control in the row), do not move or shape soil after treatment, such as by planting. Do not work the soil deeper than the depth of herbicide incorporation.

Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control. Do not cultivate deeper than one-half the depth the herbicide was incorporated.

Under circumstances when a poor stand of corn is obtained after SURPASS 8-E treatment (caused by flooding, disease, etc.) corn can be planted again without working the field. If it is too late to plant corn again, soybeans or potatoes may be planted provided no other herbicide was used. An interval of 4 weeks should elapse between when SURPASS 8-E was applied and the soybeans or potatoes are planted. Disc cultivate the soil thoroughly prior to planting.

IMPREGNATION OF DRY BULK FERTILIZERS

SURPASS 8-E and SURPASS 8-E/Atrazine combinations may be impregnated on dry bulk fertilizer (except nitrate fertilizers) and applied as the fertilizer is spread. See Appendix 1 for information and directions regarding impregnation and use of these combinations.

COMBINATION WITH FLUID FERTILIZERS

SURPASS 8-E may be combined with fluid (solution, slurry, or suspension) fertilizers. HOWEVER, PHYSICAL COMPATIBILITY WITH THESE FLUID FERTILIZERS MUST BE

DETERMINED BEFORE COMBINING IN THE SPRAY TANK. See Appendix II for directions regarding these combinations. Even though found to be compatible, constant agitation is necessary to keep the SURPASS 8-E evenly mixed with fluid fertilizer during application.

TIME LAG

Incorporation Directions for SURPASS 8-E and Tank Mix Combinations of SURPASS 8-E/Atrazine for Use by Custom Applicators Only

SURPASS 8-E must be incorporated into the soil immediately to prevent loss of the herbicide. Whenever possible, application and incorporation should be done in the same operation. Loss of weed control will result from any "Time Lag" in incorporation if SURPASS 8-E is applied to a moist soil surface.

If there must be a "Time Lag" because application and incorporation are done in separate operations, SURPASS 8-E must be applied to soil surface which is dry (to at least 1.25 cm deep) and free from dew and incidental moisture.

If the "Time Lag" in incorporation is more than one hour, it is recommended that the higher rate of SURPASS 8-E (5.5 to 8.5 litres per hectare) be used. Refer to the recommendations and application rates specified on the registered label. Never delay completion of incorporation more than four hours.

** "Time Lag" is the difference in time between when the applicator has finished the application and incorporation has been completed.

IMPORTANT: Thorough mixing of SURPASS 8-E in the soil is necessary. The soil must be in good tilth and cross discing is recommended. Improper discing or poor tilth (large clods) may result in unsatisfactory control. All applicable directions, restrictions, and precautions on the registered label are to be followed.

Resistance-Management Recommendations

For resistance management, SURPASS 8-E Selective Herbicide is a Group 8 herbicide. Any weed population may contain or develop plants naturally resistant to SURPASS 8-E Selective Herbicide and other Group 8 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 SURPASS 8-E Selective Herbicide or other Group 8 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 company representatives at 1-800-459-2422 (in Eastern Canada) or 1-800-665-9250 (in Western Canada) or at www.syngenta.ca.

APPENDIX I

SURPASS 8-E or SURPASS 8-E/Atrazine Impregnation on Dry Bulk Fertilizers

CAUTION: SURPASS 8-E alone or in combination with other herbicides must not be impregnated on ammonium nitrate, potassium nitrate or sodium nitrate fertilizers. Such mixtures may cause explosion and fire.

All regulations relating to dry bulk fertilizer blending, registration, labelling and application are the responsibility of the individual and/or company selling the SURPASS 8-E or SURPASS 8-E/Atrazine fertilizer mixtures.

SURPASS 8-E alone and in combination with Atrazine may be impregnated on many dry bulk fertilizers (1) (2) and applied and incorporated into the soil before planting for the control of certain grassy weeds by SURPASS 8-E and many grassy and broadleaf weeds by the SURPASS 8-E/Atrazine combination in corn.

All SURPASS 8-E and Atrazine label and supplementary literature instructions and precautions regarding rates per hectare, soil type and soil incorporation, application and other directions must be followed.

Test results have shown that SURPASS 8-E and SURPASS 8-E/Atrazine on many dry bulk fertilizers give weed control equal to SURPASS 8-E or tank mixtures of SURPASS 8-E/Atrazine applied as a spray in water or liquid fertilizer. However, uniform impregnation of the pesticides on the dry fertilizer particles and uniform application in the field are necessary to assure good results.

A minimum of 200 kilograms and a maximum of 500 kilograms of approved fertilizer ingredients (1) (2) impregnated with the appropriate amount of SURPASS 8-E alone or in combination with Atrazine must be applied per hectare.

For impregnating the pesticides on dry fertilizers, use a closed rotary-drum type mixer equipped with suitable spraying equipment. The spray nozzles should be positioned inside of the mixer to provide uniform coverage of the tumbling fertilizer. The SURPASS 8-E should be sprayed uniformly onto the fertilizer using a fine spray pattern. For the SURPASS 8-E/Atrazine combination product, the Atrazine can be added and mixed uniformly with the fertilizer prior to the SURPASS 8-E addition, or alternatively, the new SURPASS 8-E/Atrazine can be mixed in the proper use ratio to prepare a uniform slurry for joint spray impregnation.

The physical properties of fertilizers vary, particularly in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with SURPASS 8-E provides a satisfactory dry mixture.

If the absorptivity is not adequate, use of a highly absorptive powder is required to provide a dry, free-flowing mixture. Microcel E (Johns-Mansville Products Corporation) is the recommended absorbent powder. It should be added separately and uniformly to the prepared pesticide-fertilizer mixture, in a quantity that is sufficient to provide a suitably free-flowing mixture. Generally, less than 2% by weight of Microcel E is required.

The amount of SURPASS 8-E or SURPASS 8-E/Atrazine actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation (3).

This is necessary to ensure that the amounts of SURPASS 8-E and Atrazine actually contained in the mixture applied to the soil represent the correct rates of use.

Bulk fertilizers impregnated with SURPASS 8-E or SURPASS 8-E/Atrazine should be **applied immediately**, NOT STORED. All bulk containers should be tightly covered while the products are being transported and applied to reduce chances of SURPASS 8-E loss via volatilization.

DO NOT combine SURPASS 8-E plus Atrazine with single-phosphate (0-20-0) or treble super-phosphate (0-46-0).

SURPASS 8-E Physical Data

Specific Gravity 20/20°C: 0.9665 (typical)
Grams/Litre 10/20°C: 963 (typical)
Flashpoint: > 93°C (Setaflash closed cup)
Viscosity: Sprayable down to -29°C

(1) APPROVED DRY FERTILIZER INGREDIENTS FOR USE WITH SURPASS 8-E

	<u>N</u>	<u>P</u>	<u>K</u>
Ammonium Sulfate	21	0	0
Ammonium Phosphate-Sulfate	16	20	0
Diammonium Phosphate	18	46	0
Monoammonium Phosphate	11	56	0
Potassium Chloride	0	0	60
Potassium Sulfate	0	0	52
Single Super-phosphate	0	20	0
Triple Super-phosphate	0	46	0
Urea*	45	0	0

* Some ureas may be phytotoxic when high rates are applied to corn. Use only urea rates known to be safe for corn application.

NOTE: Sul-Po-Mag, K-Mag and 11-48-0 have been shown to be compatible with SURPASS 8-E and are approved for use.

**(2) APPROVED DRY FERTILIZER INGREDIENTS
FOR USE WITH SURPASS 8-E/Atrazine**

	<u>N</u>	<u>P</u>	<u>K</u>
Ammonium Sulfate	21	0	0
Ammonium Phosphate-Sulfate	16	20	0
Diammonium Phosphate	18	46	0
Monoammonium Phosphate	11	56	0
Potassium Chloride	0	0	60
Potassium Sulfate	0	0	52
Urea*	45	0	0

* Some ureas may be phytotoxic when high rates are applied to corn. Use only urea rates known to be safe for corn application.

NOTE: Sul-Po-Mag, K-Mag and 11-48-0 have been shown to be compatible with SURPASS 8-E/AATREX NINE-O or Atrazine 90W and are approved for use.

**Rate Chart for the Impregnation of 1,000 Kilograms of Dry Bulk
Fertilizers with SURPASS 8-E + Atrazine**

Fertilizer Rate per Hectare	SURPASS 8-E Rate/Hectare			AATREX NINE-O Atrazine 90-W Rate/Hectare		AATREX FL Atrazine FL Rate/Hectare	
	4.25 L Per Ha	5.5 L Per Ha	8.5 L Per Ha	1.25 kg Per Ha.	1.7 kg Per Ha.	2.25 L Per Ha.	3.00 L Per Ha.
	Litres/1,000 kg Fertilizer			Kilograms/1,000 kg Fertilizer		Litres/1,000 kg Fertilizer	
200 kg	21.3	27.5	42.5	6.25	8.5	11.25	15
250 kg	17	22	34	5	6.8	9	12
300 kg	14.2	18.3	28.3	4.2	5.7	7.5	10
350 kg	12.1	15.7	24.3	3.6	4.9	6.4	8.6
400 kg	10.6	13.8	21.3	3.1	4.3	5.6	7.5
450 kg	9.4	12.2	18.9	2.8	3.8	5	6.6
500 kg	8.5	11	17	2.5	3.4	4.5	6

APPENDIX II

PROCEDURE FOR TESTING THE COMPATIBILITY OF SURPASS 8-E with fluid fertilizers.

The following procedure is suggested for determining whether SURPASS 8-E may be combined with a specific fluid fertilizer for spray tank application.

MATERIALS REQUIRED:

1. SURPASS 8-E
2. Fluid fertilizer to be used.
3. Adjuvant for fertilizer tank mix: Complex*, Sponto 168-D*, Unite* or equivalent. The adjuvant which provides the best emulsification depends on the specific fertilizer under consideration.
4. Two one-litre, wide-mouth glass jars with lid or stopper.
5. Graduated pipette or cylinder.
6. Measuring cup, 250 mL.

* Complex, Kalo Laboratories Inc., Kansas City, Missouri; Sponto 168-D, Witco Chemical Company, Houston, Texas; Unite Hopkins Agricultural Chemical Company, Madison, Wisconsin.

PROCEDURE:

1. Pour 500 mL of the fluid fertilizer into each of the litre jars.
2. Add adjuvant to one of the jars and mix (see next rate table).
3. Add the SURPASS 8-E to both jars (see rate tables).
4. Close both jars with lid or stopper and mix the contents by turning the jars upside down ten times.
5. Inspect the surface and body of the mixture:
 - A. Immediately after completing the jar inversions.
 - B. After allowing the jars to stand quietly for 30 minutes.
 - C. And then again after repeating the jar inversions.

A mixture may be incompatible if either of the following conditions is observed at any of the inspection periods:

- (1) An oil layer or large oil globules are seen at the surface of the mixture.
- (2) Clumps or aggregates are present.

If a uniform mix cannot be made, the mixture should not be used. If either mixture remains uniform for 30 minutes, the combination may be used. If the mixture with adjuvant stays mixed, but the mixture without adjuvant does not, be sure to use the adjuvant in the spray tank.

Should either mixture separate after 30 minutes, but remix readily and uniformly with 10 jar inversions, the mixture can be used if good agitation is maintained in the tank. If non dispersible oil, sludge or clumps of solids form, the mixture should not be used.

If the SURPASS 8-E is incompatible with the fertilizer, carefully inspect the mixture containing the adjuvant. If this mixture is compatible, then the SURPASS 8-E may be used with the fluid fertilizer provided that the adjuvant is added to the fluid fertilizer and thoroughly mixed before

the herbicides are added. Add the adjuvant at a rate of 375 mL per 100 litres of fluid fertilizer. Minimize foaming by using moderate agitation.

If the mixtures with the adjuvant are also incompatible, they should not be used in the same tank with the fertilizer.

**Compatibility Test Table for SURPASS 8-E and Adjuvant*
with the Fluid Fertilizer**

Litres of Fluid Fertilizer to be applied per Hectare	mL of SURPASS 8-E** to be added to 500 mL of Fertilizer
100	25.0
150	17.0
200	12.5
250	10.0
300	8.5
400	6.5

* A typical adjuvant rate of use is 375 mL per 100L of fluid fertilizer. Two (2) millilitres of adjuvant should be added to 500 mL of fluid fertilizer in order to equal a rate of 375 mL per 100 litres.

** Based on a rate of 5 litres of SURPASS 8-E per hectare in the fluid fertilizer volumes indicated. Adjust amount of pesticide proportionately to correspond with intended field rate (e.g. for field rate of 9.0 litres of SURPASS 8-E in 250 litres fluid fertilizer per hectare, add 18 mL (9L/5L x 10mL) SURPASS 8-E to each jar containing 500 mL of fluid fertilizer for compatibility testing purposes).

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