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DowElanco(TM)

Edge\* D.F.

Herbicide

A selective Dry Flowable Herbicide for pre-plant soil incorporated weed control in oilseed and pulse crops.

AGRICULTURAL

GUARANTEE: Ethalfluralin.....50% Wt

REGISTRATION NO. 20056  
PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

Keep Out of Reach of Children

CAUTION: FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN  
ERRATIC WEED CONTROL OR CROP DAMAGE. READ ALL DIRECTIONS  
CAREFULLY BEFORE APPLYING.

Net Contents; 9.1 kg

DowElanco Canada Inc.  
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Newmarket, Ontario  
L3Y 3E3  
(905) 836-0436

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DowElanco Canada Inc. is a licensed user.

PRECAUTION:

KEEP OUT OF REACH OF CHILDREN.  
HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN.  
AVOID CONTACT WITH SKIN, EYES AND CLOTHING.  
AVOID BREATHING DUST AND SPRAY MIST.

Occupational exposure to this product may be hazardous to your health. When handling, mixing and applying pesticides, farm

workers are subject to potential dermal (skin) exposure. Occupational exposure studies have shown that with the proper use of protective clothing, much of the potential exposure to Edge DF can be reduced.

#### FIRST AID:

In case of contact flush with water. If on skin, wash thoroughly with soap and water. If in eyes, flush immediately with plenty of water. If irritation develops, contact a physician or a poison control centre. If swallowed, contact a physician or a poison control centre and induce vomiting followed by at least 300 mL of water to children and 700 mL to adults. After vomiting occurs, give 30-40 mL of activated charcoal in 100 mL of water.

#### ENVIRONMENTAL HAZARD:

Direct contamination of any body of water with this product may kill fish. Do not contaminate any body of water by direct application, cleaning of equipment or disposal of wastes.

NOTICE TO USER: This 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 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.

#### AGRICULTURAL CHEMICAL:

Do not ship or store with foods, feeds, drugs or clothing.

#### INSTRUCTIONS:

FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC WEED CONTROL OR CROP DAMAGE. USUAL OR STANDARD SEEDING PRACTICES MAY NOT SUFFICE. READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING.

#### WARNINGS

#### APPLICATION

- Do not apply Edge DF to peat or muck soils, or soils which contain more than 15% organic matter.
- Do not apply to fields spread with manure within the last 12 months. After this period, ensure the manure has been thoroughly disintegrated and mixed into the soil to a depth of 10-15 cm.
- If the swath or stubble is removed by burning, cultivate

once to remove the charcoal layer from the soil surface prior to Edge DF application.

- Application to soils subject to prolonged periods of flooding may result in accelerated herbicide breakdown. Additionally, application to wet soils or soils in poor working condition could result in reduced weed control. See land preparation section of this label for further precautions.
- Do not apply to soils with less than 2% organic matter. Application to eroded knolls or grey-wooded soils with highly variable texture or organic matter may result in reduced crop stand, delayed development or reduced yields in either the treated crop or rotational crop.
- Apply uniformly at the recommended rates. Over-application caused by overlapping, improper calibration, or uneven application, may reduce crop stands in the treated crop or rotational crop.
- DO NOT APPLY BY AIR.
- Western Canada Only-To avoid potential injury to future wheat rotational crops, growers should avoid applying trifluralin and/or ethalfluralin on the same land at an oilseed/special crop/barley rate for two consecutive crops.

#### CROP YEAR

- Applied and incorporated according to directions Edge DF will not harm the treated or rotational crop. However, seedling disease, deep planting, excessive moisture, high salt concentration, soil compaction, or drought may weaken crop seedlings and increase the risk of injury, which may result in delayed crop development or reduced yields.
- To reduce the possibility of injury to the treated crop, use good quality certified seed. Seed shallow into a warm, moist firm seedbed using recommended agronomic practices which will promote rapid and even crop germination and emergence.
- Every crop will have a specific seeding depth requirement, and seeding deeper than recommended can increase the potential risk of damage to the seedling. Refer to industry or government extension published documents which outline recommended seeding practices/depths for each crop.
- CAUTION: Do not graze the treated crops or cut for hay; there are not sufficient data available to support such use.

#### ROTATIONAL CROP

- Applied and incorporated according to label directions, Edge DF will not harm rotational crops. However, seedling disease, cold weather, deep planting, excessive moisture, high salt concentrations, soil compaction or drought may weaken seedlings and increase the risk of injury, which may result in delayed crop development or reduced yields.
- As a precaution, oats, sugarbeets and small-seeded grasses such as timothy, canaryseed grass and creeping red fescue should not be grown in rotation following a crop treated with Edge DF.
- The persistence of Edge DF is influenced by soil moisture, and the majority of breakdown occurs during the growing season. If drought or extended dry periods were present in the previous year, higher levels of Edge DF may be present in the soil. To reduce the possibility of injury to rotational crops, seed shallow into a warm moist seedbed using recommended agronomic practices and seeding depths. As an additional safety precaution seeding rate may be increased slightly (10%).
- When seeding a rotational crop, use good quality certified seed. Seed shallow into a warm, moist firm seedbed using recommended agronomic practices which will promote rapid and even crop germination and emergence. Avoid deep seeding, loose seedbeds, and seeding into cold soils.
- Each crop has a specific seeding depth requirement, and seeding deeper than recommended can increase the potential risk of damage to the seedling. Refer to industry or government extension published documents which outline recommended seeding practices/depths for each crop.
- Western Canada Only - Do not seed wheat as a rotational crop on land if trifluralin and/or ethalfluralin has been used at an oilseed/special crop/barley rate for two consecutive crops.
- Western Canada Only - Do not direct seed (zero till) a rotational crop into standing stubble on land that has been treated with trifluralin or ethalfluralin for the previous crop. A cultivation prior to seeding of the rotational crop is strongly recommended to help aerate the soil, and promote seedbed conditions which will enhance seed germination.

#### WEED RESISTANCE

- Populations of green foxtail tolerant to trifluralin have developed in a number of fields in Western Canada which have had a long history of repeated trifluralin use. Trifluralin or ethalfluralin containing products (ie. Advance 10G\*, Treflan\*, Heritage\*\*, Triflurex, Rival, Fortress, and Edge\*) will not control trifluralin tolerant green foxtail. To

delay or reduce the spread of trifluralin tolerant green foxtail, avoid the use of these products repeatedly in the same field, or use a separate herbicide application for control of trifluralin tolerant green foxtail. As a preventative measure, DowElanco strongly recommends rotating the use of herbicides that have different modes of action. Consult provincial extension personnel for more information.

#### STORAGE AND HANDLING

Keep Edge DF out of direct sunlight. Avoid contamination of feed and foodstuffs.

#### DISPOSAL:

1. Empty bag thoroughly into spray tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the disposal of unused, unwanted product and the clean-up of spills, contact the Provincial Regulatory Agency or the Manufacturer.

To minimize exposure, the following precautions should be followed when using Edge DF:

- Wear protective clothing such as coveralls, a long sleeved shirt and impermeable rubber gloves.
- Change contaminated clothing daily and wash before reuse. Wash these clothes separately from household laundry.
- Do not handle product with bare hands. It is important to wear gloves for the mixing/loading operation and when making sprayer and nozzle repairs and adjustments. Do not use leather or cloth gloves.
- Rinse gloves with water before removal and wash hands thoroughly before eating drinking or smoking.

#### DIRECTIONS FOR USE

##### GENERAL

Edge DF is a pre-plant incorporated herbicide which is mixed (incorporated) into the soil to provide long-lasting control of many annual grasses and broadleaf weeds. Edge DF controls susceptible weeds by killing seedlings as they germinate. It does not control established weeds, or weeds which germinate below the treated soil layer.

##### LAND PREPARATION

Cultivate to destroy existing weeds before Edge DF application. When applying to stubble fields, chop and thoroughly mix crop residues into the soil to a depth of 10 cm. Disc-type implements provide the best results. Swath windrows should be evenly spread before cultivation to avoid strips of concentrated trash cover. Edge DF should not be sprayed on a soil surface with more than 25% trash cover. If a swath has been removed by burning, cultivate once to remove charcoal layer prior to application of Edge DF. To avoid concentrating wild oat seeds below the treated layer, do not plow (moldboard) land prior to Edge DF application.

#### EDGE DF APPLICATION WITH WATER

##### a) Mixing Instructions:

VIGOROUS, CONTINUOUS AGITATION IS ESSENTIAL FOR PROPER MIXING. Return line agitation is not sufficient. Sparge tube, jet or mechanical agitation is required. Agitation should be sufficient to create a rippling or rolling action on the surface. All in-line screens should be 50 mesh or coarser (100 mesh screens are finer than 50 mesh). A 16 mesh screen is recommended for the filter on the inlet side of the pump.

Follow these steps:

- 1) Use at least 115 litres of water per hectare.
- 2) Fill the tank 1/2 full with clean water. Begin agitation before the addition of Edge DF. Proper agitation is very important.
- 3) Add 1/2 of the required amount of Edge DF. Add the Edge DF slowly. DO NOT PRE-SLURRY. CAUTION : If the sump opening is directly beneath the opening where the Edge DF is added, fill the tank 3/4 full before adding the Edge DF. Then add the Edge DF slowly to avoid filter plugging.
- 4) Continue filling the tank with clean water, gradually adding the remaining amount of Edge DF. 5) Continue agitating for 10 minutes after sprayer filling is completed.

CONTINUE AGITATION THROUGHOUT THE ENTIRE FILLING AND SPRAYING OPERATION.

NOTE: If spraying and agitation is stopped before the spray tank is empty, the suspended material will settle to the bottom of the tank. When spraying must be interrupted, it is recommended to maintain agitation until spraying resumes. If agitation must be stopped before the spray tank is empty, follow these steps to resume spraying.

- 1) Remove main filter.
- 2) Mechanically mix spray solution (i.e., paddle) prior to re-starting pump. Ensure that loose sediment is moved out of the sump area.
- 3) Start agitation on full.

- 4) Paddle corners of the tank.
- 5) Reinstall main filter.

AT THE END OF EACH SPRAY DAY,  
RINSE OUT THE TANK AND SPRAYER LINES WITH WATER.

b) Application:

Apply Edge DF in at least 115 litres of clean water per hectare using any properly calibrated low pressure field sprayer with uniform spray patterns. Check the sprayer frequently to ensure proper calibration and continued uniform application. Apply the Edge DF spray mixture to the soil surface. Incorporate in the same operation, if possible. Ensure that large clods are broken.

DO NOT DELAY INCORPORATION MORE THAN 24 HOURS AFTER APPLICATION.

When applied as directed, Edge DF will not harm crops that follow in rotation; however, an over-application caused by overlapping, improper calibration, non-uniform application, etc. may reduce stands of treated crops and crops that follow in rotation.

EDGE OF APPLICATION WITH LIQUID FERTILIZERS

Application of Edge DF in liquid fertilizer is RECOMMENDED ONLY FOR USE IN COMMERCIAL APPLICATION EQUIPMENT (floaters). Edge DF can be mixed and applied with most liquid fertilizers (e.g. 28-0-0). A compatibility test is recommended before Edge DF is added to the liquid fertilizer. Addition of water to a liquid fertilizer blend before adding Edge DF will improve the dispersion of the dry pellets. ADD THE EQUIVALENT OF AT LEAST 56 L/HA OF WATER TO ALL FERTILIZER BLENDS. A compatibility test is recommended before Edge DF is added to the liquid fertilizer blend. A compatibility test is strongly recommended for liquid sulphur fertilizers (i.e 12-0-026 and 15-0-0-20).

a) Compatibility Test for Liquid Fertilizer:

- 1) Put 750 mL of liquid fertilizer blend and the equivalent of 56 L/ha of water into a 1 litre jar (e.g. if applying 170 L/ha fertilizer =  $(56/170) \times 750 \text{ mL} = 250 \text{ mL}$  water).
- 2) Add 10 grams (one tablespoon) of Edge DF.
- 3) Close jar and shake well.
- 4) If the Edge DF is well suspended in the liquid fertilizer after shaking. the mixture is compatible provided constant agitation is used. The mixture is compatible provided constant agitation is used.

If the Edge DF is not well suspended in the liquid

fertilizer after shaking, the mixture is not compatible. Repeat the compatibility test with the desired liquid fertilizer after it has been diluted with additional water.

Caution: When fertilizer blends contain high concentrations of liquid sulphur or phosphate, add more than the equivalent of 56 L/ha of water to the blend before the addition of Edge DF to improve dispersion and reduce the mixing time.

- 5) A compatibility test is also recommended when there is a change in fertilizer supplies, fertilizer formulations and climatic conditions.

b) Mixing Instructions:

VIGOROUS, CONTINUOUS AGITATION IS ESSENTIAL FOR PROPER MIXING. Sparge tube agitation is strongly recommended. Agitation should be sufficient to create a rippling or rolling action on the surface. Sixteen mesh, or coarser, screens are required in the agitation cycle. Screens of 50 mesh, or coarser, are required for spraying.

- 1) Use at least 115 litres of liquid fertilizer per hectare.
- 2) Fill the spray tank 1/2 full with the liquid fertilizer. Start the agitation before Edge DF is added. Proper agitation is very important.
- 3) Add 1/2 of the required amount of Edge DF.

CAUTION: If the sump opening is directly beneath the opening where the Edge F is added, fill the tank 3/4 full before adding the Edge DF. Add the Edge DF slowly to avoid filter plugging.

- 4) Continue filling the tank with liquid fertilizer, gradually adding the remaining amount of Edge DF.
- 5) Continue agitating for 5 minutes after sprayer or floater filling is completed.

CONTINUE AGITATION THROUGHOUT THE ENTIRE FILLING AND SPRAYING OPERATIONS.

NOTE: If spraying and agitation are stopped before the spray tank is empty, the suspended material will settle to the bottom of the tank. When spraying must be interrupted, it is recommended to maintain agitation until spraying resumes. If agitation must be stopped before the spray tank is empty, follow these steps to resume spraying:

- 1) Remove main filter.
- 2) Start agitation on full.
- 3) Reinstall filter after all settle material is re-



suspended.

At the end of each spray day, rinse out the tank and sprayer lines with water.

c) Application:

Apply Edge DF in at least 115 litres of liquid fertilizer per hectare. Apply the Edge DF/fertilizer mixture with properly calibrated equipment suitable for liquid fertilizer application. The equipment must have sufficient agitation to keep the Edge DF in suspension. Ensure the material is applied uniformly to the soil surface. All Edge DF label recommendations regarding rates per hectare, approved crops, incorporation, special instructions, cautions and special precautions must be followed.

DO NOT DELAY INCORPORATION MORE  
THAN 24 HOURS AFTER APPLICATION.

EDGE DF IMPREGNATED/COATED ONTO DRY GRANULAR FERTILIZER

Dry bulk fertilizer may be impregnated or coated with Edge DF. Application should be made as soon as possible after blending. All Edge DF label recommendations regarding rates per hectare, approved crops, incorporation, special instructions, cautions and special precautions must be followed.

To obtain commercially acceptable weed control with Edge DF impregnated on fertilizer, the following minimum rates of fertilizer must be used:

Spring application - 330 kg/ha  
Fall application - 250 kg/ha

Edge DF should be made into a slurry consisting of 1-2 L of water per kilogram of product. This slurry is then sprayed onto the fertilizer as it is mixing. Any commonly used blending equipment may be used provided that uniform spray coverage is achieved when adding the Edge DF slurry. Sufficient blending/mixing times should be allowed to ensure uniform coverage of the dry fertilizer with Edge DF.

If the mixture becomes wet or sticky due to the amount of water used in the slurry, a drying agent (such as Celatom) should be added at 1-2% to dry the fertilizer blend prior to application.

Spread the fertilizer/Edge DF mixture with a properly calibrated granular fertilizer applicator. Ensure that the blended material is applied uniformly to the soil surface. The first incorporation should be completed as soon as possible (within 24 hours) after fertilizer application. It is recommended to DELAY THE SECOND INCORPORATION FOR A PERIOD OF AT LEAST SIX DAYS to ensure optimum dissipation of Edge DF within the soil.

CAUTION:

Ammonium nitrate must not be impregnated with Edge DF. All other commonly used dry fertilizers may be used for Edge DF impregnated.

NOTE: Compliance with the Fertilizer Act and Regulations (Agriculture Canada) is the responsibility of the individual/company selling the Edge DF/fertilizer mixture.

INCORPORATION:

To incorporate, work Edge DF into the soil in two different directions. An even uniform layer of Edge DF-treated soil is required to obtain optimum control of germinating weed seeds. Use a tandem disc, discer or field (vibrashank type) cultivator set to work 8-10 cm deep for the first incorporation. A field cultivator (vibrashank type) is defined as an implement with 3 or 4 rows of sweeps spaced at intervals of 20 cm or less and staggered so that no soil is left unturned. The second incorporation should be a discing or cultivation in a cross direction also at 8-10 cm deep anytime prior to planting. Operate disc implements at 7-10 km/hr and cultivators at 10-13 km/hr. Failure to operate implements at recommended speeds may result in erratic weed control due to poor Edge DF distribution in the soil.

Deep tillage cultivator not recommended.

- Edge DF should not be incorporated with a field cultivator when the soil is crusted, lumpy, or too wet for good mixing action.
- Disc type implements are preferred on stubble to ensure a 10 cm depth of operation.
- Incorporation with implements set to cut less than 8 cm deep or more than 10 cm deep may result in erratic weed control or crop damage.
- Rod weeders, harrows, deep tillage cultivators, chisel plows, vibra-chisel or hoe drills will not properly incorporate Edge DF. - Single incorporation will not properly incorporate Edge DF and may result in poor weed control and/or crop damage.

FALL APPLICATION: (Western Canada only)

Edge DF can be applied in the fall between September 1 and prior to soil freeze-up for weed control the following year. Apply fall rates and incorporate as above. The initial incorporation must be done within 24 hours after application. It is preferred to do both incorporations in the fall followed by shallow tillage (5-8 cm) in the spring prior to planting. However, one incorporation may be done in the fall and the second in the spring at the time of seedbed preparation, provided both

operations are done at the recommended depth. (Refer to Spring Tillage recommendations.)

#### SPRING TILLAGE FOR SEEDBED PREPARATION:

a) Following two fall incorporations:

Spring tillage following fall application of Edge DF should be done when the soil is warm enough to promote germination. Use a disc or vibrashank cultivator operated at 5-8 cm deep. For optimum weed control in soils with heavy wild oat populations prework early in the spring with a shallow cultivation to promote weed seed germination, followed by a 5-8 cm deep cultivation prior to seeding to destroy existing green growth.

b) Following only one fall incorporation:

To complete the incorporation of Edge DF, use a tandem disc, discer or field cultivator set to work 8-10 cm deep. Incorporate in a cross direction to the fall incorporation. Operate disc implements at 7-10 km/hr and cultivators at 10-13 km/hr.

Avoid transplanting weed seedlings: seed into a weed-free seedbed using accepted cultural practices.

#### SPRING APPLICATION:

If Edge DR is applied in the spring, incorporate once within 24 hours using a recommended implement operated 8-10 cm deep. The second incorporation may be done at a cross-angle to the first incorporation anytime up to seeding. Seed the crop into a weed-free seedbed using accepted cultural practices. Avoid excessive compaction.

#### WEEDS CONTROLLED

##### Grasses Controlled

Wild Oats  
Green Foxtail+  
Yellow Foxtail  
Volunteer Spring Wheat  
Barnyard Grass  
Crab Grass  
Fall Panicum  
Giant Foxtail  
Witch Grass  
Johnson Grass (seedling)

##### Broadleaf Weeds Controlled

Chickweed  
Lamb's-quarters  
Redroot Pigweed  
Prostrate Pigweed  
Purslane  
Wild Buckwheat  
Cow Cockle  
Kochia  
Corn Spurry  
Blueweed

+ Edge DF will not control trifluralin tolerant Green Foxtail. See specific recommendations in WARNING section of this label.

WEEDS SUPPRESSED++

Volunteer barley+++	Hemp Nettle
Lady's-Thumb	Nightshade
Russian Thistle	Cleavers

++ Suppression is a visual reduction in weed competition (reduced population and/or vigour) as compared to an untreated area. Competition by weeds listed as suppressed that remain in a crop will vary depending upon factors such as crop competition, the number of weed seeds in the soil and the time of weed emergence relative to crop emergence.

+++ Suppression of volunteer barley will be enhanced by cultural and management practices which promote germination of volunteer barley prior to seedbed preparation.

RECOMMENDED RATES OF EDGE DF PER HECTARE - WESTERN CANADA

CROPS REGISTERED

Canola	Fababeans
Triazine Tolerant Canola.	Soybeans
Field Peas	Dry Common Beans
Mustard (yellow only)	(white or kidney)
Sunflowers	Dill
Alfalfa Establishment	Caraway
(seed production only)	Safflower
Coriander	

SPRING APPLICATION

RECOMMENDED RATES OF EDGE DF PER hectare

	SOIL TEXTURE	
	LIGHT	MEDIUM-HEAVY
SOIL ORGANIC MATTER	SAND, SANDY LOAM	LOAM SILTY LOAM SILT SANDY CLAY LOAM SILTY CLAY LOAM CLAY LOAM SILTY CLAY CLAY
DARK BROWN 2.4%O.M.	1.7 kg/ha	1.7 kg/ha
BLACK 4-6%O.M.	1.7 kg/ha	2.2 kg/ha
DEEP BLACK 6-15%O.M.	2.2 kg/ha	2.2-2.8 kg/ha**

++ For improved results on medium-heavy texture soils with 6-15% organic matter, the spring application rate may be increased to 2.8 kg/ha in fields with high populations of weeds.

FALL APPLICATION RECOMMENDED RATES OF EDGE DF PER HECTARE

	SOIL TEXTURE	
	LIGHT	MEDIUM-HEAVY
SOIL ORGANIC MATTER	SAND, SANDY LOAM	LOAM SILT LOAM SILT SANDY CLAY LOAM SILTY CLAY LOAM CLAY LOAM SILTY CLAY CLAY
DARK BROWN 2.4%O.M. BLACK 4-6%O.M. DEEP BLACK 6-15%O.M.	2.2 kg/ha 2.2 kg/ha 2.8 kg/ha	2.2 kg/ha 2.8 kg/ha 2.8 kg/ha

RECOMMENDED RATES OF EDGE DF PER HECTARE EASTERN CANADA

CROPS REGISTERED

Soybeans

Dry Common Beans (White or Kidney)

Canola (Includes triazine tolerant varieties)

RECOMMENDED RATES OF EDGE DF (KG PER HECTARE)

	SOIL TEXTURE		
	LIGHT	MEDIUM	HEAVY
	SAND, SANDY LOAM	LOAM SILT LOAM SILT SANDY CLAY LOAM	SILTY CLAY LOAM CLAY LOAM SILTY CLAY CLAY
SPRING APPLICATION	1.4 kg	1.7 kg	2.2 kg

EDGE DF PLUS LEXONE(R) OR SENCOR(R) (TANK-MIX) FOR USE IN SOYBEANS IN EASTERN CANADA

RATE PER HECTARE

	SOIL TEXTURE		
	LIGHT	MEDIUM	HEAVY

EDGE DF 50%	1.4 kg	1.7 kg	2.2 kg
LEXONE DF 75%	470 g	550 g	700 g
LEXONE L 480 g/L	730 mL	850 mL	1.1 L
SENCOR 500F	700 mL	820 mL	1.05 L
SENCOR DF 75%	470 g	550 g	700 g

- The Edge DF plus LEXONE/SENCOR tank-mix combination controls all the weeds listed on the Edge DF label, plus many additional broadleaf weeds including Smartweed, Velvetleaf, Wild Mustard and Common Ragweed.
- Tank mixes of Edge DF and LEXONE/SENCOR may be applied up to 10 days before planting.

MIXING INSTRUCTIONS: EDGE DF PLUS LEXONE/SENCOR

VIGOROUS, CONTINUOUS AGITATION IS ESSENTIAL FOR PROPER MIXING. Return line agitation is not sufficient. Sparge tube, jet or mechanical agitation is required. Agitation should be sufficient to create a rippling or rolling action on the surface. All in-line screens should be 50 mesh or coarser (100 mesh screens are finer than 50 mesh). A 16 mesh screen is recommended for the filter on the inlet side of the pump.

Follow these steps:

- 1) Use at least 115 litres of water per hectare.
- 2) Fill the tank 1/2 full with clean water. Begin agitation before the addition of Edge DF. Proper agitation is very important.
- 3) Add 1/2 of the required amount of Edge DF. Add the Edge DF slowly. Do not pre-slurry.  
CAUTION: If the sump opening is directly beneath the opening where the Edge DF is added, fill the tank 3/4 full before adding the Edge DF. Then add the Edge DF slowly to avoid filter plugging.
- 4) Continue filling the tank with clean water, gradually adding the remaining amount of Edge DF.
- 5) The calculated amount of LEXONE/SENCOR should then be added slowly, while the remainder of the tank is filled with water.
- 6) Continue agitating for 10 minutes after sprayer filling is completed.

CONTINUE AGITATION THROUGHOUT THE ENTIRE FILLING AND SPRAYING OPERATION.

NOTE: If spraying and agitation is stopped before the spray tank is empty, the suspended material will settle to the bottom of the tank. When spraying must be interrupted, it is recommended to maintain agitation until spraying resumes. If agitation must be stopped before the spray tank is empty, follow these steps to

resume spraying:

- 1) Remove main filter.
- 2) Mechanically mix spray solution (i.e. paddle) prior to restarting pump. Ensure that loose sediment is moved out of the sump areas.
- 3) Start agitation on full.
- 4) Paddle corners of the tank.
- 5) Reinstall main filter.

At the end of each spray day, rinse out the tank and sprayer lines with water.

#### CAUTION

- Do not use on light soils with less than 2% organic matter.
- Applied according to directions and under normal growing conditions tank-mixed EDGE and LEXONE/SENCOR will not reduce soybean yields. However, this treatment has limited crop tolerance and initial crop injury may occur under certain conditions.
- Over-application may result in stunting, crop injury or soil residue.
- Uneven application or improper soil incorporation of the tank-mix can result in erratic weed control or crop injury depending on rate used.
- Seedling disease, cold weather, deep planting, excessive moisture, high soil pH (above 7.5), high salt concentration or drought may weaken soybean seedlings and increase the possibility of damage from Edge DF and LEXONE/SENCOR. Under these conditions, delayed crop development or reduced yields may result.
- On variable soils with light sandy areas, some injury may occur on sandy areas if the rate used is for the heavier soil type in the field. Sandy loam and silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions.
- Do not plant any metribuzin-sensitive soybean varieties into areas treated with the Edge DF and LEXONE/SENCOR tank-mix, as unacceptable injury may result.
- Refer to the LEXONE or SENCOR label for directions on use and special precautions.
- LEXONE/SENCOR may be harmful if swallowed or inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing of dust or spray mist. Wash clothing thoroughly with soap and hot water before reuse. Do not contaminate feed or food. Keep out of reach of children. Do not use the foliage from soybeans treated with Edge DF and LEXONE/SENCOR for feed or forage. Do not contaminate any body of water or apply to any area not specified on this label. Do not allow sprays to drift onto adjacent desirable plants.

EDGE DF FOLLOWED BY LOROX(R) (SEQUENTIAL APPLICATION) FOR USE IN SOYBEANS IN EASTERN CANADA

RATE PER HECTARE

	SOIL TEXTURE		
	LIGHT	MEDIUM	HEAVY
PREPLANT INCORPORATED EDGE DF 50%	1.4 kg/ha	1.6 kg/ha	2.2 kg/ha
PREEMERGENCE LOROX L 480 g/L		1.75 L/ha	2.25 L/ha
PREEMERGENCE LOROX DF 50%		1.7 kg/ha	2.2 kg/ha

- Use the lower rate of LOROX on light coloured soils with moderate organic matter (2 to 5%). Do not use LOROX on coarse textured soils low in organic matter, as crop injury may result. Refer to the LOROX label for specific recommendations and precautions.

EDGE DF FOLLOWED BY PATORAN(R) (SEQUENTIAL APPLICATION) FOR USE IN SOYBEANS AND DRY COMMON BEANS (WHITE AND KIDNEY) IN EASTERN CANADA

RATE PER HECTARE

	SOIL TEXTURE		
	LIGHT	MEDIUM	HEAVY
PREPLANT INCORPORATED EDGE DF 50%	1.4 kg/ha	1.6 kg/ha	2.2 kg/ha
PREEMERGENCE PATORAN 400 g/L	2.9-3.4 L		
PREEMERGENCE PATORAN 670 g/L	1.75-2.0 L		

- Refer to the PATORAN label for specific recommendations and precautions.

EDGE DF FOLLOWED BY BASAGRAN(R) PLUS ASSIST(R) (SEQUENTIAL APPLICATION) FOR USE IN SOYBEANS AND DRY COMMON BEANS (WHITE AND



KIDNEY)

RATE PER HECTARE

	SOIL TEXTURE		
	LIGHT	MEDIUM	HEAVY
PREPLANT INCORPORATED EDGE DF 50%	1.4 kg/ha	1.6 kg/ha	2.2 kg/ha
POSTEMERGENCE BASAGRAN PLUS ASSIST (1\2-1% OF THE SPRAY VOLUME)	1.75-2.25 L		

- Refer to the BASAGRAN label stage of crop and weeds for optimum weed control, and for specific recommendations and precautions.

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