

31-MAY-2004 Notification received of a label change. See below for this change.

2000/2005

((LABEL))

RIVAL(R) DF

DRY FLOWABLE
PRE-EMERGENT HERBICIDE

PRAIRIE PROVINCES & PEACE RIVER
REGION OF BRITISH COLUMBIA

COMMERCIAL

Notification Change

~~AgriEvo Canada Inc.
295 Henderson Drive
REGINA, SK
S4N 6C2~~

**NUFARM AGRICULTURE INC. □
5507 FIRST STREET SE □
CALGARY AB T2H 1H9**

Telephone: 1-800-667-5959

NET CONTENTS: 7.5 KILOGRAMS (16.5 POUNDS)

RIVAL DF BECOMES A SUSPENSION IN WATER.
MAINTAIN CONTINUOUS AGITATION

RIVAL (R) DF

WARNING: EYE IRRITANT

READ THE LABEL AND ATTACHED
DIRECTIONS FOR USE BEFORE USING

RIVAL DF
DRY FLOWABLE

FOR PRE-EMERGENCE CONTROL OF MANY GRASSY AND BROADLEAF
WEEDS IN FIELD CROPS, VEGETABLES AND ORNAMENTALS

PRAIRIE PROVINCES AND PEACE RIVER REGION OF BRITISH COLUMBIA

REGISTRATION NO. 22782
PEST CONTROL PRODUCTS ACT

GUARANTEE: TRIFLURALIN 60 PERCENT

PRECAUTION: KEEP OUT OF REACH OF CHILDREN. MAY CAUSE EYE IRRITATION AND DAMAGE. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. Avoid breathing the spray mist. Wear chemical resistant gloves, safety goggles and coveralls when mixing/loading and during sprayer cleanup, or when adjusting/repairing sprayer. Do not wear contact lenses when using this product. Wash gloves with water before removing them after any operation. Wash hands thoroughly with soap and water after using this product and before eating, drinking or smoking. Use only for recommended purposes at the recommended rates. Avoid contamination of foodstuffs, feeds, fish ponds and water supplies.

FIRST AID: If swallowed seek medical attention immediately, rush patient to nearest hospital taking this brochure with you. In case of skin contact, remove contaminated clothing and wash skin thoroughly with soap and water. If in eyes flush with plenty of water for 15 minutes and take patient to hospital at once, or contact a poison control centre.

STORAGE: STORE AT COOL TEMPERATURES. DO NOT STORE UNDER DIRECT SUNLIGHT. Store away from seeds, fertilizers, plants and foodstuffs. Keep in original bag during storage.

WASTE DISPOSAL: If spray solution remains in the tank after spraying is finished, it should be sprayed on the perimeter of the field just sprayed, NOT ON THE CROP, away from water supplies, ditches, and irrigation canals.

BAG DISPOSAL:

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

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.

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((BROCHURE))

READ THE LABEL BEFORE USING

NET CONTENTS:
7.5 KGS (16.5 LBS)

RIVAL® DF

DRY FLOWABLE

FOR PRE-EMERGENCE CONTROL OF MANY GRASSY AND BROADLEAVED WEEDS IN FIELD CROPS, VEGETABLES AND ORNAMENTALS

PRAIRIE PROVINCES AND
PEACE RIVER REGION OF BRITISH COLUMBIA

COMMERCIAL

GUARANTEE:
TRIFLURALIN 60%

WARNING - EYE IRRITANT

REGISTRATION NO. 22782
PEST CONTROL PRODUCTS ACT

Notification Change

~~AgrEvo Canada Inc.
Agriculture Division
295 Henderson Drive~~

NUFARM AGRICULTURE INC.
5507 FIRST STREET SE □
CALGARY AB T2H 1H9

~~Regina, Saskatchewan~~
~~S4N 6C2~~
Telephone: 1-800-667-5959 Toll Free

PT.# 4006 12/92

GENERAL INFORMATION:

RIVAL DF is a herbicide for the control of certain annual grassy and broadleaf weeds in Rapeseed (Canola including Triazine Tolerant Canola), Sunflower, Safflower, Tame Mustard, Fababeans, Dry Common Beans (White, Kidney and Black only), Peas (Field and Canning), Soybeans, Crambe, Sainfoin (Spring Application Only), Strawberries (Spring Application Only), Cabbage, Cauliflower, Carrots, Rutabaga, Tomato, Broccoli, Brussel Sprouts, Peppers, Sweet Clover (Spring Only), Snap Common Beans and Asparagus (Established 3 years or more), Flax (Do not use on low linolenic acid varieties) (Fall or Summer Application Only), Lentils (Fall Only) and Saskatoon Berries. RIVAL DF can also be used in Transplanted Shelterbelts.

FALL APPLICATION OF PRE-EMERGENCE HERBICIDES

For reasons of soil conservation Hoechst does not recommend the fall application of RIVAL DF to soils which are subject to erosion by wind, water or other factors. Fall applications to summer-fallow under certain conditions such as low trash cover or light textured soils may predispose the field to wind and/or water erosion and is not recommended.

Read all directions carefully before applying RIVAL DF.

CAUTION: 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 (i.e. HERITAGE(R), RIVAL, TREFLAN(R), TRIFLUREX(R), FORTRESS(R), and EDGE(R)) will not control trifluralin tolerant green foxtail. To delay selection or reduce the spread of trifluralin tolerant green foxtail, avoid use of these products repeatedly in the same field, or use a separate herbicide application for control of trifluralin tolerant green foxtail. Herbicides like LASER(R), HOE-GRASS(R) 284, HOE-GRASS II, EXCEL(R), and NaTA(R) are suitable alternatives to control trifluralin tolerant green foxtail. Please refer to the specific product label for rates

and registered crops.

CAUTION: Do not graze the treated immature crops or cut for hay; there is not sufficient data available to support such use.

DIRECTIONS FOR USE IN ALL CROPS

- Do not apply to soils which contain more than 15% organic matter such as peat or muck soils.
- Do not apply to wet soils that are subject to excessive flooding.
- Do not apply to soils that are extremely lumpy, cloddy or in poor working condition.
- For maximum weed control and crop tolerance, follow label directions at all times. Read all directions before applying RIVAL DF. RIVAL DF MUST NOT BE USED ON ANY CROP FOR WHICH IT IS NOT REGISTERED.

CAUTION:

Application of RIVAL DF to soils that are subject to flooding (standing water for more than 3-5 days) may result in reduced weed control. This reduction in weed control may occur if the soils are flooded between the time of RIVAL DF application and crop maturity (harvest). If these soils are flooded for a considerable period of time (3 weeks or more) the result may be no weed control at all.

When used according to label directions, RIVAL DF will not damage the treated crop. Emerging crop, weakened from factors such as deep planting, excessive moisture, cold temperatures, seedling disease, poor soil fertility, drought, and/or saline soils may increase the risk of damage from RIVAL DF resulting in a delay in crop maturity and/or reduced yields.

Highly sensitive crops such as tame oats, sugarbeets and small seeded annual grasses (Timothy, Canary Seed Grass, and Creeping Red Fescue) should not be grown in rotation the year following RIVAL DF application.

RECRIPPING INSTRUCTIONS

The rate of breakdown of RIVAL DF in the soil is influenced by environmental factors which occur during the year of control, and those of the following spring. If precipitation during this period is

below normal, the level of carryover into the fall and the next growing season will be increased. The general distribution and timing of the precipitation will also affect the residual persistence of RIVAL DF.

Crop injury may result to rotational crops (e.g. fall planted cereal or spring wheat) if these crops are sown in the season following unusually dry conditions. To reduce injury to rotational crops, seed the crops shallow into warm and moist seedbed.

FOR EXAMPLE: RIVAL DF SPRING APPLIED
RAPESEED PLANTED - DRY SOIL CONDITIONS
WINTER WHEAT PLANTED - POSSIBLE CROP INJURY

SUSCEPTIBLE WEEDS

ANNUAL GRASSES include Wild Oats, Green and Yellow Foxtail (Wild Millet), Barnyard Grass, Persian Darnel, Annual Bluegrass, Crabgrass, Stinkgrass, Bromegrass, Cheat, and Goosegrass.

ANNUAL BROADLEAF WEEDS include Pigweed, Russian Thistle, Lamb's-Quarters, Chickweed, Carpetweed, Knotweed, Purslane, Cow Cockle, and Wild Buckwheat.

The above weeds will be controlled when RIVAL DF is applied at recommended rates and used as directed. Ensure that all incorporation directions are followed. Some wild oats and wild buckwheat may escape the RIVAL DF herbicidal action, however the crop competition will effectively suppress the escaped weeds so that little or no competition results with the crop.

TIME OF APPLICATION

RIVAL DF is applied before crop or weed emergence. It is incorporated thoroughly into the soil to provide herbicidal action that will control all susceptible weeds, RIVAL DF does not control susceptible weeds that have already emerged through the soil at the time of application. It only controls susceptible weeds as they germinate.

LAND PREPARATION

Before applying RIVAL DF, ensure that all emerged and existing weeds have been eliminated through discing or cultivation. For application to stubble or trashy soils, thoroughly disc the soils prior to RIVAL DF application to ensure that all crop residues and trash material have been mixed into the soil to depth of 10-15 cm (4-6 in).

If manure has been applied to the field, ensure that it is thoroughly mixed into the soil with at least two tillage operations prior to RIVAL DF applications.

If the field has been burned in order to remove previous crop residue (straw, trash, etc.), ensure that the field is tilled at least once prior to RIVAL DF application.

NOTE: DO NOT PLOW (MOLDBOARD) LAND PRIOR TO RIVAL DF APPLICATION.

METHOD OF APPLICATION

Application should be made in a minimum of 100 litres of water per hectare (10 gal/acre) at a pressure of 200-275 kPa (30-40 psi). Apply RIVAL DF uniformly to the soil surface and incorporate within 24 hours after application. Do not apply to lumpy soils. Fill sprayer one-third full of clean water then add the recommended amount of RIVAL DF. Continue the filling operation until required volumes are achieved. **Vigorous agitation is required before and during application of RIVAL DF.** Apply with ground equipment only.

NOTE: Spray out immediately. Spray mixture should not be left in the tank without agitation.

NOTE: Do not use line or nozzle screens finer than 50 mesh.

Susceptible crops in rotation will not be damaged if RIVAL DF is applied uniformly. Avoid over-application. Do not initiate RIVAL DF application until the sprayer is moving.

NOTE: DO NOT APPLY RIVAL DF BY AIRCRAFT.

INCORPORATION

Incorporate with disc implements or cultivators only. Deep tillage cultivators are not recommended. A tandem disc is recommended for the first incorporation. Do not delay the first incorporation more than 24 hours after RIVAL DF application. The first incorporation should be in the same direction as application. Both incorporations must be to a depth of 8-10 cm (3-4 in). The second incorporation must be at right angles to the first. Disc implements should be operated at 6-10 km/h (4-6 mph) and cultivators at 10-13 km/h (6-8 mph).

NOTE:

! Incorporate RIVAL DF to a depth of 8-10 cm (3-4 in) only for maximum weed control and crop tolerance.

! Cultivators should only be used for RIVAL DF incorporation when soils are in good working condition.

INSTRUCTIONS FOR SPRING APPLICATION

RIVAL DF can be applied in the spring pre-plant incorporated for weed control during that crop year. Apply spring rates and follow incorporation instructions. The first incorporation MUST BE DONE NO LATER THEN 24 HOURS AFTER APPLICATION. The second incorporation may be done at the time of seedbed preparation provided it is done at the recommended depth. Follow all incorporation instructions. Spring application is not recommended for flax and lentils.

INSTRUCTIONS FOR SUMMER APPLICATION

For weed control in Flax, Rapeseed (Canola) and Triazine Tolerant Rapeseed (Canola) in the following year, apply RIVAL DF to summer fallow between June 1 and September 1 using the summer rate and following incorporation instructions. Do not delay the initial incorporation more than 24 hours after application of RIVAL DF. All subsequent incorporations may be done whenever resistant weed growth occurs for the remainder of the fallow season. Prior to planting the crop in the following spring, a shallow tillage after the soil has warmed is required. This is required for seedbed preparation and is best done with a vibrashank cultivator or disc implement cutting to a depth of 5-8 cm (2-3 in).

INSTRUCTIONS FOR FALL APPLICATION

For weed control in the following year, apply RIVAL DF in the fall between September 1 and soil freeze-up, using fall rates and following incorporation instructions. Do not delay initial incorporation more than 24 hours after application. The second incorporation may be done in the spring at the time of seedbed preparation and to the recommended depth. If both incorporations are done in the fall, a shallow tillage the following spring and prior to seeding is required. This shallow tillage is best done with a vibrashank cultivator or disc implement cutting to a depth of 5-8 cm (2-3 in). It is preferred if both incorporations are done in the fall.

OILSEED AND SPECIAL CROPS EXCEPT FLAX AND LENTILS

Application Rates in Kilograms per Hectare

(Pounds per Acre)

CROPS AND SEASON	SOIL TEXTURE, SOIL ORGANIC MATTER (O.M.) AND SOIL ZONE				REMARKS
	LIGHT SOILS Sand, Sandy loam		MEDIUM OR HEAVY SOILS Loam, Silt Loam, Silt, Sandy Clay Loam, Silty Clay, Loam, Silty Clay, Clay		
	2-6% O.M.	6-15% O.M.	2-6% O.M.	6-15% O.M.	
	Brown, Dark Brown, Black & Grey Wooded Soil Zone	Brown, Black, Deep Black Soil Zone	Brown, Dark Brown, Black & Grey Wooded Soil Zone	Black, Deep Black, Soil Zone	
SPRING APPLICATION Rapeseed, Canola, Triazine tolerant Rapeseed (Canola). Mustard, Soybeans, Dry Beans (white & kidney), Sunflower, Fababeans, Pea (Field & Canning), Sainfoin, Black Beans, Crambe, Safflower, Cabbage (direct seeded or transplanted), Cauliflower (direct seeded or transplanted).	1.3 kg (1.2 lb)	1.8 kg (1.6 lb)	1.8 kg (1.6 lb)	1.8-2.3 kg (1.6- 2.1 lb)	RIVAL DF may be applied and incorporated from 3 weeks before planting up to the time of planting. The first incorporatio n must be within 24 hours of application. Use the higher rate for heavy wild oat infestations .

Strawberries, Carrot, Rutabaga, Tomato, Broccoli, (Transplanted), Brussel Sprouts (Transplanted), Peppers, Sweet Clover, Snap Common Beans	1.3 kg (1.2 lb)	1.8 kg (1.6 lb)	1.8 kg (1.6 lb)	1.8 kg (1.6 lb)	Use a maximum of 1.8 kg/ha (1.6 lb/acre) for all soil types, except light soils with 2-6% O.M.
SPRING APPLICATION Asparagus	1.7 kg (1.5 lb)	1.7 kg (1.5 lb)	2.5 kg (2.2 lb)	3.3 kg (2.9 lb)	Use only on asparagus that is established 3 seasons or more.
Shelterbelts, (Caragana, American and Siberian Elm, Green Ash, Scotch Pine)	3.7 kg (3.3 lb)	7.3 kg (6.5 lb)	7.3 kg (6.5 lb)	7.3 kg (6.5 lb)	Apply RIVAL DF before transplantin g Better weed control and control for a longer period of time will be achieved with the higher rate.
FALL APPLICATION Rapeseed, (Canola), Triazine Tolerant Rapeseed, (Canola). Mustard, Sunflower, Peas (Field & Canning), Fababeans, Black Beans, Safflower	1.8 kg (1.6 lb)	2.3 kg (2.1 lb)	2.3 kg (2.1 lb)	2.3-2.8 kg (2.1- 2.5 lb)	Apply RIVAL DF between Sept 1 & up to soil freeze-up. The first incorporatio n must be within 24 hrs. Use the higher rate for heavy wild oat infestation.

SUMMER APPLICATION Rapeseed, (Canola), Triazine Tolerant Rapeseed (Canola)	2.8 kg (2.5 lb)	2.8 kg (2.5 lb)	2.8 kg (2.5 lb)	2.8 kg (2.5 lb)	Apply RIVAL DF between June 1 & Sept 1. The first incorporatio n must be done within 24 hours of application.
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SPECIAL INSTRUCTIONS FOR FLAX AND LENTILS

- ! Application of RIVAL DF to flax may be made in summer or fall. Apply to lentils in fall only.
- ! Both incorporations should be done in the fall (summer) prior to seeding flax or lentils in the spring.
- ! To ensure a firm seedbed and maintain a constant depth of planting, a shallow tillage and a packed seedbed in the spring is recommended.
- ! Seed with a drill to a depth of 2-4 cm (1.0-1.5 in) into a moist and firm seedbed.
- ! Seed flax or lentils when soil temperatures are warm and greater than 6°C (43°F). This is usually after mid-May.
- ! Environmental factors that are referred to in the "Directions for Use" section may cause crop injury and reduced yields.

FLAX AND LENTILS

(Use the Following Rates in Flax and Lentils ONLY)
Application Rates in Kilograms per Hectare (Pounds per Acre)

CROPS AND SEASON	SOIL TEXTURE, SOIL ORGANIC MATTER (O.M.) AND SOIL ZONE	REMARKS
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LIGHT SOILS Sand, Sandy Loam		MEDIUM OR HEAVY SOILS Loam, Silt Loam, Silt, Sandy Clay Loam, Silty Clay Loam, Silty Clay, Clay.			
2-6% O.M.		6-15% O.M.		2-6% O.M.	
6-15% O.M.		2-6% O.M.		6-15% O.M.	
	Brown, Dark Brown, Black & Grey Wooded Soil Zone	Brown, Black Deep Black Soil Zone	Brown, Dark Brown, Black & Grey Wooded	Black, Deep Black Soil Zone	
FALL - Lentils, Flax	1.8 kg (1.6 lb)	2.3 g (2.1 lb)	1.8 kg (1.6 lb)	2.3-2.8 kg (2.1- 2.5 lb)	Apply RIVAL DF between Sept. 1 and up to soil freeze-up. The first incorporation must be within 24 hrs of application. Use the higher rate for heavy wild oat infestation.
SUMMER - Flax	2.8 kg (2.5 lb)	2.8 kg (2.5 lb)	2.8 kg (2.5 lb)	2.8 kg (2.5 lb)	Apply RIVAL DF between June 1 & Sept 1. The first incorporation must be done within 24 hours of application.

DIRECTIONS FOR USE IN TRIAZINE TOLERANT RAPESEED (CANOLA)

CAUTION: RIVAL DF plus Sencor(R) must be used on Triazine Tolerant Rapeseed (Canola) varieties. Non-triazine tolerant varieties will be severely damaged or killed by this tank-mix treatment.

METHOD OF APPLICATION:

RIVAL DF plus Sencor is applied as a pre-plant incorporated tank-mix to control a broad-spectrum of weeds in triazine tolerant rapeseed (canola) varieties. It is applied before crop or weed emergence and may be applied in the spring before seeding triazine tolerant rapeseed (canola) or in the previous fall between Sept. 1 and soil freeze-up. FOLLOW ALL LAND PREPARATION, METHOD OF APPLICATION, INCORPORATION, AND PRECAUTION DIRECTIONS THAT APPLY TO RIVAL DF USED ALONE IN OILSEED AND SPECIAL CROPS FOUND ON THIS LABEL.

WEEDS CONTROLLED BY RIVAL DF PLUS SENCOR:

In addition to those weeds controlled by RIVAL DF alone the Rival-Sencor tank-mix also controls the following weeds: wild mustard, volunteer rapeseed (non-triazine tolerant), stinkweed, green smartweed, lady's thumb, shepherd's-purse, hempnettle.

APPLICATION RATES: TRIAZINE TOLERANT RAPESEED (CANOLA) ONLY

This mixture is applied in the fall or spring using the following application rates.

SPRING APPLICATION

**RIVAL DF PLUS SENCOR TANK MIX IN TRIAZINE TOLERANT CANOLA
 SPRING APPLICATION RATES IN LITRES, MILLILITRES OR GRAMS PER
 HECTARE (Pounds, Fluid Ounces or Ounces Per Acre)**

PRODUCT	SOIL TEXTURE,	SOIL ORGANIC MATTER AND SOIL ZONES	
	LIGHT SOILS Sand, Sandy Loam	MEDIUM OR HEAVY SOILS Loam, Silt Loam, Silt, Sandy Clay Loam, Silty Clay Loam, Silty Clay, Clay	
	2-6% Organic Matter (O.M.) Brown, Dark Brown, Black, or Grey Wooded Soils	2-6% Organic Matter (O.M.) Brown, Dark Brown, Black, or Grey Wooded Soils	6-15% Organic Matter (O.M.) Brown, Black or Deep Black Soils

RIVAL DF	1.3 kg (1.2 lb)		1.8 kg (1.6 lb)		1.8 - 2.3 kg* (1.6 - 2.1 lb)	
	2-3% (O.M.)	3-6% (O.M.)	2-3% (O.M.)	3-6% (O.M.)	6-10% (O.M.)	10%+ (O.M.)
Sencor 500F	425mL/ha (6.0 fl oz/acre)	550mL/ha (7.8 fl oz/ acre)	425mL/ha (6.0 fl oz/ acre)	550mL/ha (7.8 fl oz/ acre)	550-850 mL/ha** (7.8-12.1 fl oz/ acre)	850 mL/ha (12.1 fl oz/ acre)
Sencor 75 DF	275g/ha (3.9 oz. /acre)	375g/ha (5.3 oz. /acre)	275g/ha (3.9 oz. /acre)	375g/ha (5.3 oz. /acre)	375-550 oz./acre)	550g/ha (7.8 oz. /acre)

* On black soils with 6-15% organic matter, use the higher RIVAL DF rate where wild oat infestations are high.

** Sencor 500F/75 DF rate varies with soil organic matter as such: use higher rate of Sencor for higher organic matter soils.

FALL APPLICATION

RIVAL DF PLUS SENCOR TANK MIX IN TRIAZINE TOLERANT CANOLA FALL APPLICATION RATES IN LITRES, MILLILITRES OR GRAMS PER HECTARE (Pounds, Fluid Ounces or Ounces Per Acre)

PRODUCT	SOIL TEXTURE,	SOIL ORGANIC MATTER AND SOIL ZONES	
	LIGHT SOILS Sand, Sandy Loam	MEDIUM OR HEAVY SOILS Loam, Silt Loam, Silt, Sandy Clay Loam, Silty Clay Loam, Silty Clay, Clay	
	2-6% Organic Matter (O.M.) Brown, Dark Brown, Black, or Grey Wooded Soils	2-6% Organic Matter (O.M.) Brown, Dark Brown, Brown, Black or Grey Wooded Soils	6-15% Organic Matter (O.M.) Brown, Black or Deep Black Soils
RIVAL DF	1.8 kg (1.6 lb)	2.3 kg (2.1 lb)	2.3-2.5 kg* (2.1 - 2.2 lb)

	2-3% (O.M.)	3-6% (O.M.)	2-3% (O.M.)	3-6% (O.M.)	6-10% (O.M.)	10%+ (O.M.)
Sencor 500F	550mL/ha (7.8 fl oz./acre)	700mL/ha (10 fl.oz/ acre)	550mL/ha (7.8 fl. oz/acre)	700mL/ha (10 fl. fl. oz/acre)	700-850 mL/ha (10.0- 12.1 oz/acre)	850mL/ha (12.1 fl.oz/acre)
Sencor 75 DF	375g/ha (5.3 oz./ acre)	475g/ha (6.8 oz./ acre)	375g/ha (5.3 oz./ acre)	475g/ha (6.8 oz./ acre)	475-550 (6.8-7.8 oz/ acre)	550g/ha (7.8 oz/ acre)

* On black soils with 6-15% organic matter, use the higher RIVAL DF rate where wild oat infestations are high.

** Sencor 500F/75 DF rate varies with soil organic matter as such: use higher rate of Sencor for higher organic matter soils.

CAUTION:

- ! on variable soils with sandy areas, some injury may result in those areas if the rate used is for heavier soils in the field.
- ! do not use on soils with less than 2% organic matter.
- ! on soils with more than 10% organic matter, broadleaf weed control may be inconsistent.
- ! stress conditions identified under "Directions for use of RIVAL DF in Oilseed and Special crops" also apply in Triazine Tolerant Rapeseed (Canola). Under these conditions, temporary lightening in colour may occur on the margins of cotyledons and a slight delay in crop development may occur. These will quickly be outgrown and no long-term effects will be noticed.
- ! do not grow non-triazine tolerant rapeseed (canola) varieties in rotation after using RIVAL DF plus Sencor

APPLICATION OF RIVAL DF PLUS SENCOR

Apply RIVAL DF plus Sencor to the soil surface and incorporate in the same operation if possible. Do not delay the first incorporation more than 24 hours. A second incorporation at right angles to the first is

required prior to seeding the triazine tolerant rapeseed (canola). Refer to the Sencor label for more specific instructions of Sencor usage in triazine tolerant rapeseed (canola).

! DO NOT USE FINER LINE OR NOZZLE SCREENS THAN 50 MESH

! DO NOT USE FELT FILTERS OR NOZZLE TIPS THAT PROVIDE LESS THAN 100 LITRES PER HECTARE (10 GAL/ACRE)

MIXING DIRECTIONS FOR RIVAL DF PLUS SENCOR

The following sequence must be followed when mixing RIVAL DF and Sencor

! fill spray tank 1/3 full with clean water

! add the required quantity of RIVAL DF to the spray tank while providing agitation of the mixture

! add the remainder of clean water to the spray tank

! after thoroughly mixing the RIVAL DF, add the required volume of Sencor to the spray tank and agitate thoroughly to 5 to 10 minutes. SPRAY IMMEDIATELY and provide continuous agitation while the mixture is being sprayed out.

DIRECTIONS FOR USE IN WHEAT AND BARLEY GREEN FOXTAIL (WILD MILLET) CONTROL

! Prior to RIVAL DF application, seed the crop (wheat or barley) into a well-prepared seedbed to a depth of 5-8 cm (2-3 in).

! Apply RIVAL DF immediately after seeding and before the crop emerges.

APPLICATION RATES:

SOIL TYPE	RATE
Light textured soils (sandy, sandy loam)	1.0 kg/hectare (0.9 lb/acre)

Medium textured soils (loam, silt loam, silt, sandy clay loam)	1.2 kg/hectare (1.1 lb/acre)
Heavy textured soils (silty clay loam, silty clay, clay)	1.3 kg/hectare (1.2 lb/acre)

! Apply recommended rate of RIVAL DF in a minimum of 100 litres of water per hectare (10 g.p.a.)

! Apply RIVAL DF to trash free soil only.

! Two shallow (2-4 cm) (1-1.5 in) incorporations with tyne harrows or diamond harrows must be done within 24 hours of RIVAL DF application. Both incorporations should be done at speeds of at least 9 km/h (6 mph) and at right angles to each other. It is best if the first incorporation is done in the same direction as application.

Green foxtail must germinate in the treatment zone, not below, for it to be controlled.

RIVAL DF PLUS AVADEx® BW TANK MIX

WEEDS CONTROLLED: Green Foxtail (Wild Millet), Wild Oats. CROPS: Wheat, Barley, seeded 5-8 cm (2-3 in) deep.

APPLICATION RATES:

CROP	SOIL TEXTURE		
Light Textured Soils (sandy, sandy loam)	Medium Textured Soils (loam, silt loam, silt, sandy clay loam)	Heavy Textured Soils (Silty clay loam, silty clay, clay)	
Wheat	1.0 kg/ha (0.9 lb/acre) RIVAL DF + 3.5 L/ha (1.2 qt/acre) AVADEx BW	1.2 kg/ha (1.1 lb/acre) RIVAL DF + 3.5 L/ha (1.2 qt/acre) AVADEx BW	1.3 kg/ha (1.2 lb/acre) RIVAL DF + 3.5 L/ha (1.2 qt/acre) AVADEx BW

Barley	1.0 kg/ha (0.9lb/acre) RIVAL DF + 4.25 L/ha (1.5 qt/acre) AVADEX BW	1.2 kg/ha (1.1 lb/acre) RIVAL DF + 4.25 L/ha (1.5 qt/acre) AVADEX BW	1.3 kg/ha (1.2 lb/acre) RIVAL DF + 4.25 L/ha (1.5 qt/acre) AVADEX BW
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APPLICATION:

Apply RIVAL DF plus AVADEX BW as a tank mix immediately after seeding and before the wheat or barley emerges. Double incorporation to a shallow depth (2-4 cm) (1-1.5 in) with tyne or diamond harrows is required within 24 hours of application. The first incorporation should be done in the same direction as application. The second incorporation must be done at right angles to the first. Both incorporations should be done at speeds of at least 9 km/h (6 mph).

INCORPORATION MUST BE ABOVE THE DEPTH OF SEED PLACEMENT.

CAUTION:

Injury to wheat or barley occur if seeded into a deeply-incorporated layer of RIVAL DF. RIVAL will not adversely affect wheat or barley if it is applied according to label directions and under the normal growing conditions. Crop injury from RIVAL DF such as delayed maturity or reduced yields may occur if emerging crops are weakened from factors such as improper seeding depth, excessive moisture, cold temperature, seedling disease, poor soil fertility, drought, or saline soils.

RIVAL DF APPLICATION WITH LIQUID FERTILIZER

For application either before seeding of oilseed and special crops or after seeding and before crop emergence on wheat and barley, RIVAL DF may be mixed with liquid nitrogen fertilizer (e.g. 28-0-0). For application in wheat and barley, after seeding and before crop emergence, RIVAL DF and liquid nitrogen fertilizer may also be mixed with AVADEX BW. Follow application rates, incorporation instructions, and cautions for normal RIVAL DF applications as per registered crop.

! Pre-determine the compatibility of RIVAL DF and the liquid nitrogen fertilizer by using the test outlined below, prior to tank mixing.

- ! Slurry the required quantity of RIVAL DF in water prior to adding to the spray tank.
- ! Mix thoroughly and apply immediately after mixing.
- ! Agitate mixture before and during application.

COMPATIBILITY TEST

- ! Measure 500 mL (18 fl. oz) of liquid fertilizer into a container.
 - ! Add 10 grams (1/3 oz) RIVAL DF.
 - ! Cover container and shake well.
 - ! If RIVAL DF remains in suspension for five minutes or greater, the two are compatible. If RIVAL DF settles out quickly but can be re-suspended quickly by shaking, the mixture may be used but constant and vigorous agitation will be required before and during application.
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PRECAUTION:

KEEP OUT OF REACH OF CHILDREN. MAY CAUSE EYE IRRITATION AND DAMAGE. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. Avoid breathing spray mist. Wear chemical resistant gloves, safety goggles and coveralls when mixing/loading and during sprayer cleanup, or when adjusting/repairing sprayer. Do not wear contact lenses when using this product. Wash gloves with water before removing them after any operation. Wash hands thoroughly with soap and water after using this product and before eating, drinking or smoking. Use only for recommended purposes at the recommended rates. Avoid contamination of foodstuffs, feeds, fish ponds and water supplies.

STORAGE:

STORE AT COOL TEMPERATURE AWAY FROM SEEDS, FERTILIZER, PLANTS AND FOODSTUFFS. DO NOT STORE UNDER DIRECT SUNLIGHT. KEEP IN ORIGINAL CONTAINER DURING STORAGE.

BAG DISPOSAL:

1. Empty bag thoroughly into spray tank.
2. Make the empty bag unsuitable for further use.

3. Dispose of the bag in accordance with provincial requirements
4. For information on the disposal of unused, unwanted product and the clean-up of spills, contact the regional office of Conservation and Protection, Environment Canada.

FIRST AID:

If swallowed seek medical attention immediately, rush patient to nearest hospital taking this brochure with you. In case of skin contact, remove contaminated clothing and wash skin thoroughly with soap and water. If in eyes flush with plenty of water for 15 minutes and take patient to hospital at once.

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:

Sellers 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.

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