GROUP **3** HERBICIDE

Front

BONANZA 480 LIQUID HERBICIDE

LIQUID HERBICIDE

COMMERCIAL

WARNING POISON

WARNING - EYE AND SKIN IRRITANT POTENTIAL SKIN SENSITIZER

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

GUARANTEE: TRIFLURALIN 480 g/L

REGISTRATION NO. 28289 PEST CONTROL PRODUCTS ACT

PROTECT FROM FREEZING

NET CONTENTS: 1-1000 L

IN CASE OF EMERGENCY DUE TO A MAJOR SPILL FIRE OR POISONING INVOLVING THIS PRODUCT CALL DAY OR NIGHT, 1-800-561-8273.

LOVELAND PRODUCTS CANADA INC. 789 Donnybrook Drive Dorchester, Ontario N0L1G5 1-800-265-4624

11/10

PRECAUTIONS

Warning - skin and eye irritant. Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes or clothing. Wear coveralls over long sleeved shirt and long pants, chemical resistant gloves, socks and chemical resistant footwear during mixing, loading, application, clean up and repair. Wear goggles or face shield during mixing/loading. Avoid inhalation of vapours. KEEP OUT OF REACH OF CHILDREN. Do not store near heat or flame. Avoid contamination of food stuffs, feed and fish ponds. This product contains a petroleum distillate at 56% which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment.

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 the U.S., visit CropLife Canada's web site at: <u>www.croplife.ca</u>.

All handlers must wear a long-sleeved shirt and long pants. In addition, wear chemical-resistant gloves during mixing/loading, repair and clean-up activities.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

POTENTIAL SKIN SENSITIZER.

FIRST AID

IF ON SKIN OR 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 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.

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. 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: The formulation is moderately toxic when ingested and is an eye and skin irritant. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. Treat symptomatically.

STORAGE

Store above 4°C. Protect from freezing.

DISPOSAL

- 1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the 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, 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.

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 this product in a way that is inconsistent with the directions on the label.

LOROX is a registered trademark of E.I. DuPont & Company. SENCOR & AFOLAN is a registered trademark of Bayer CropScience. ASSIST & BASAGRAN are registered trademarks of BASF Aktiengesellschaft. ADVANCE, EDGE, TREFLAN are registered trademarks of DOW AGROSCIENCES. HERITAGE is a registered trademark of HERITAGE GARDEN PRODUCTS, DOW AGROSCIENCES is a registered user.

TRIFLUREX is a registered trademark of MAKHTESHIM-AGAN. FORTRESS is a registered trademarks of Gowan Company, L.L.C.

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Booklet

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DIRECTIONS FOR USE

GENERAL DIRECTIONS

Carefully read these instructions fully before using BONANZA 480 LIQUID HERBICIDE. Usage not in accordance with these instructions may result in inadequate weed control and may damage crop. BONANZA 480 LIQUID HERBICIDE is a preemergence herbicide which is sprayed on and then mechanically mixed or incorporated into the soil. It kills weeds as they germinate. It does not kill established weeds. BONANZA 480 LIQUID HERBICIDE gives long lasting control of seedlings of annual grasses and broadleaf weeds detailed below.

DO NOT apply this product in a way that will contact workers or other persons, either directly or indirectly or through drift. Only protected handlers may be in the area during application.

Discard clothing or other absorbent materials that have been heavily contaminated with this product. DO NOT reuse them.

Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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

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

To minimize the release of trifluralin into the environment due to volatilization, trifluralin should only be applied on cool mornings and evenings when air temperatures are 15 degrees C or lower. To further reduce volatilization to the atmosphere, incorporation into the soil should occur concurrently with application.

Field sprayer application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification. Boom height must be 60cm or less above the crop or ground.

DO NOT apply by air.

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

The buffer zones specified in the table below are required between the point of direct application and the closes downwind edge of sensitive terrestrial habitats (such as lakes,

rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

· · · · · · · · · · · · · · · · · · ·	d estuarine/marine habitats.	1				
Method of	Crop	B	Suffer Zon) Required	for the
Application				Protection of:		
		Fres	hwater	Estuarin	e/Marine	Terrestrial
		Hab	oitat of	Habit	ats of	Habitat
		De	epths:	Dep	oths:	
		Less	Greater	Less	Greater	
		than	than	than	than	
		1 m	1 m	1 m	1 m	
Field	Fall-seeded wheat, rye and	35	4	3	1	0
sprayer*	triticale grown in rotation with tobacco					
	Rutabaga, forage legumes,	55	5	4	2	1
	Saskatoon berries, carrots,	55	3	4	2	1
	peppers, strawberries,					
	tomatoes, summer fallow					
	followed by spring or					
	durum wheat, white turnips,					
	forage kale, forage rape,					
	white lupins and first year					
	apple, apricot, cherry, peach, plum and pear trees.					
	Brussels sprouts,	70	10	5	2	1
	cauliflower and crambe,					
	sainfoin and sweet clover	00	10	~	2	1
	Alfalfa, beans (common,	80	10	5	3	1
	dry, kidney, black, Lima), fababeans, snapbeans, peas,					
	soybeans, sunflowers,					
	lentils, barley and wheat,					
	canola/rapeseed, triazine					
	tolerant canola/rapeseed,					
	flax, mustard and safflower.					
	Asparagus, broccoli and	90	10	5	3	1
	cabbage.					
	Woody and perennial	120	20	15	5	1
	ornamental planting and					
	nursery stock (field and					
	container grown),					
	shelterbelts (American elm, caragana, green ash, Scotch					
	pine, Siberian elm)					

*For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labeled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labeled buffer zone can be reduced by 30%.

When tank mixes are permitted, consult the labels of the tank mix partners and observe the largest (most-restrictive) spray buffer zones 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.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, BONANZA 480 LIQUID HERBICIDE is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to BONANZA 480 LIQUID HERBICIDE and other Group 3 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 resistancemanagement strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of BONANZA 480 LIQUID HERBICIDE or other Group 3 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner
- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Technical Service at 1-800-265-4624 or at <u>www.uap.ca</u>.

ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe 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 the product when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

Tank Mixtures

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 Loveland Products Canada inc. at 1-800-328-4678 for information before applying any tank mix that is not specifically recommended on this label.

DIRECT SEEDED

WARNING Special attention must be paid to the following aspects of usage:

- Rates must be accurately applied.
- Apply only on soil type indicated (DO NOT APPLY TO peat and muck soils).
- Apply only to soils with less than 15% organic matter which are dry and in good working conditions. Application to soils that are subject to flooding (standing water for more than 3-5 days) may result in reduced weed control. If these soils are flooded for a considerable period of time (3 weeks or more) the result may be no weed control at all.
- Do not apply to soils which are subject to erosion by wind, water and other factors. Application 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.
- Incorporated is an essential part of application. When correctly applied to crops under normal conditions, BONANZA 480 LIQUID HERBICIDE will not harm the crop. Any stress factors such as wet soils, incorrect planting depth, seedling disease, low temperature, excessive salt in the soil, poor soil fertility or drought, could bring about damage to the crop from BONANZA 480 LIQUID HERBICIDE.
- It is recommended that the following crops not follow BONANZA 480 LIQUID HERBICIDE in the rotation cycle: Oats: Small seeded annual grasses such as Canary grass; Creeping Red Fescue; Timothy grass; Sugarbeets. Under normal conditions there will not be a carryover. However, the above recommendation is precautionary.
- Do not apply to soils that are extremely lumpy, cloddy or in poor working condition.
- Do not apply to sandy soils with less than 1% organic matter.
- Application to severely eroded knolls may result in reduced crop stand or rotational crop injury.

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.,:, BONANZA, RIVAL, TREFLAN, TRIFLUREX,

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FORTRESS, and EDGE) 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.

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

TRANSPLANTS

Reductions in crop yield may occur if BONANZA 480 LIQUID HERBICIDE is applied to weakened transplants. The precautions stated for Direct Seeded crops also apply to Transplants. As well, for maximum tolerance of all transplants ensure the following:

- Only healthy transplants should be used.
- Do not transplant under unfavourable growing conditions such as cool or wet weather.

• Follow all label instructions.

BONANZA 480 LIQUID HERBICIDE APPLICATION ON DRY BULK FERTILIZER

GENERAL

Dry bulk fertilizer (EXCEPT NITRATE FERTILIZERS) may be impregnated with BONANZA 480 LIQUID HERBICIDE. Application may be made in the fall or spring to registered crops pre-plant incorporated. Application of the fertilizer impregnated with BONANZA 480 LIQUID HERBICIDE must be made as soon as possible. For rates and times of application for various crops refer to the application and rate charts on this label. This product label must be consulted for precautions, warnings, restrictions, rotational crops and detailed directions regarding use rates, soil texture, application instructions and incorporation techniques. Compliance with the Fertilizer's Act is the responsibility of the company selling herbicides/fertilizer combinations.

MIXING AND BLENDING

A minimum of 200 Kg/ha of dry fertilizer impregnated with BONANZA 480 LIQUID HERBICIDE at recommended rates must be applied. Mix and blend the dry fertilizer and BONANZA 480 LIQUID HERBICIDE in a rotary fertilizer blender. The nozzles used to spray the BONANZA 480 LIQUID HERBICIDE on the fertilizer should be situated to provide uniform spray coverage. Allow for sufficient blending time to ensure uniform coverage of the fertilizer with this product. If the fertilizer-herbicide mixture is too wet to allow for uniform application, the use of a highly absorptive material such as diatomaceous earth or finely powdered clay is recommended. Enough absorptive material should be added to ensure a free-flowing mixture. Higher rates of fertilizer may be required to ensure that mixture is not too wet especially when higher rates of BONANZA 480 LIQUID HERBICIDE are used.

APPLICATION

Spread the fertilizer impregnated with BONANZA 480 LIQUID HERBICIDE immediately after blending is completed. Ensure that the material is applied uniformly to the soil surface using a properly calibrated applicator. When using spin spreaders a 100% overlap is recommended to ensure even distribution. Spin applicators should be calibrated to apply one half of the desired rate per hectare and application overlapped by doubling back to cover one-half of the previous swath. Dribble spreaders must be calibrated with the impregnated fertilizer as flow rate will be slower than those realized with pure dry fertilizer.

INCORPORATION

Follow normal BONANZA 480 LIQUID HERBICIDE incorporation recommendations. FOR BEST RESULTS DELAY THE SECOND INCORPORATION FOR AT LEAST 3 DAYS FOLLOWING THE FIRST.

- **CAUTIONS:**1. To prevent contamination, ensure that the next two blended batches of fertilizer are used on those crops for which BONANZA 480 LIQUID HERBICIDE is registered.
- 2. Do not impregnate BONANZA 480 LIQUID HERBICIDE or any other herbicide on nitrate fertilizers (ammonium, potassium, sodium, calcium). The combination of BONANZA 480 LIQUID HERBICIDE with these fertilizers may result in an explosion.

BONANZA 480 LIQUID HERBICIDE APPLICATION WITH FLUID FERTILIZERS

BONANZA 480 LIQUID HERBICIDE may be mixed with liquid nitrogen fertilizer, (e.g., 28-0-0) for application either preplant soil incorporated or post-plant incorporated. BONANZA 480 LIQUID HERBICIDE may also be tank mixed with liquid fertilizer for post plant incorporated application in wheat or barley. All BONANZA 480 LIQUID HERBICIDE label recommendations regarding rates per hectare, approved crops, incorporation, special instructions, cautions and special precautions must be followed. BONANZA 480 LIQUID HERBICIDE should be poured directly into the liquid fertilizer, mixed thoroughly and applied as soon as possible. Constant agitation is needed until application is complete. Apply the BONANZA 480 LIQUID HERBICIDE fertilizer mixture with a properly calibrated sprayer. Ensure that the material is applied uniformly to the soil surface. Follow normal BONANZA 480 LIQUID HERBICIDE incorporation procedures.

COMPATIBILITY TEST

Because of the wide range of fertilizer products, small amount of liquid fertilizer and BONANZA 480 LIQUID HERBICIDE should be tested for compatibility prior to tank mixing.

- (1) Place 500mL of liquid fertilizer into a 1 L jar.
- (2) Pour in 10mL of BONANZA 480 LIQUID HERBICIDE.
- (3) Close jar and shake well.
- (4) Leave jar sit for 5 minutes.

BONANZA 480 LIQUID HERBICIDE and fertilizer are compatible if BONANZA 480 LIQUID HERBICIDE remains in suspension. If the BONANZA 480 LIQUID HERBICIDE settles out quickly but goes into suspension easily upon shaking, the mixture maybe used provided constant agitation is utilized. UNITE compatibility agent can be added to improve the compatibility and stability of this fertilizer-herbicide mixture.

PRAIRIE PROVINCES and the PEACE RIVER REGION of BRITISH COLUMBIA

LAND PREPARATION

Cultivate to destroy existing weeds before BONANZA 480 LIQUID HERBICIDE application. When applying to stubble fields, chop and thoroughly mix crop residues into soil to a depth of 10-15 cm. Disc type implements provide the best results. See table below

for weeds controlled and crops registered. Do not plow (mold board) land prior to BONANZA 480 LIQUID HERBICIDE application.

APPLICATION — DO NOT APPLY BY AIR.

Fill the sprayer one-third full of clean water. Add the recommended amount of BONANZA 480 LIQUID HERBICIDE to the clean water in the spray tank. During the filling operation and before spraying agitate thoroughly. Apply in at least 100 litres of water per hectare (broadcast basis) using any properly calibrated low-pressure (275kPa) herbicide sprayer that will apply the spray uniformly. Check the sprayer daily to ensure proper calibration and uniform application. Apply with ground equipment only. Apply BONANZA 480 LIQUID HERBICIDE to soil surface and 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, BONANZA 480 LIQUID HERBICIDE will not harm crops that follow in rotation; however, over application, non-uniform application or other excess applications may cause injury to crops that follow in rotation. The rate of breakdown of BONANZA 480 LIQUID HERBICIDE 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 BONANZA 480 LIQUID HERBICIDE.

Crop injury may result to rotational crops (e.g., fall planted cereals 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 a warm and moist seedbed.

INCORPORATION

To incorporate, work BONANZA 480 LIQUID HERBICIDE into soil in two different directions. Use a tandem disc, discer or field (Vibrashank type) cultivator for the first incorporation, set to work 7.5-10 cm deep. Disc or cultivate in cross direction at the same depth. Operate disc implements 6.5-10 km/hr, cultivators at 10-13 km/hr. BONANZA 480 LIQUID HERBICIDE should not be incorporated with field cultivator when soil is crusted, lumpy or too wet for good mixing action. Disc type implements are preferred on stubble. Incorporation with implements set to cut less than 7.5 cm deep or more than 10cm deep may result in erratic weed control or crop damage. Rod weeders, harrows or hoe drills will not properly incorporate BONANZA 480 LIQUID HERBICIDE.

TIME OF APPLICATION

SPRING APPLICATION

Apply in the spring and before the crop or weed emergence. It must be incorporated thoroughly into the soil to control susceptible germinating weeds. The first incorporation must be done no later than 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.

FALL APPLICATION - PRAIRIES ONLY

Check application rates and incorporation instructions above. Ensure timely incorporation. Apply between September 1st and before soil freeze-up for weed control the following year. Two incorporations in the fall are recommended to be followed by shallow tillage (5-8 cm) in the spring before planting. However, if this is not convenient, the first incorporated within 24 hours of spraying can be followed by a second in the spring when the seed bed is being prepared. Always ensure incorporation to the correct depth. (See spring tillage recommendations below).

SUMMER APPLICATION - PRAIRIES ONLY

Check application rates and incorporation instructions above. Ensure timely incorporation. Apply BONANZA 480 LIQUID HERBICIDE to summer fallow between June 1st and September 1st. Ensure that incorporation must be within 24 hours of spraying. The timing of the subsequent incorporations can be suited to the necessity to destroy resistant weed growth later in the season. Before planting in the spring, ensure shallow tillage (5-8 cm). (See Spring tillage recommendations below).

SPRING TILLAGE FOR SEEDBED PREPARATION - PRAIRIES ONLY In

spring, once the soil is warm enough to promote germination, it must be tilled if summer or fall applications of BONANZA 480 LIQUID HERBICIDE have been made. Till to a depth of 5-8 cm with a suitable implement such as a disc or Vibrashank cultivator. Follow accepted practices and prevent transplanting weed seedlings.

CROPS REGISTERED IN THE PRAIRIE PROVINCES and the PEACE RIVER REGION OF BRITISH COLUMBIA ONLY

Asparagus	Dry beans (field or kidney)
Sunflower	Barley
Rapeseed (Canola)	Sweetclover (spring only)
Flax	Safflower
Crambe	Lentils (fall only)
Wheat	Mustard

Peas (field or canning) Faba beans (horsebeans) Black Beans Transplanted Shelterbelts Sainfoin Strawberries

WEEDS CONTROLLED

The following weeds are controlled with BONANZA 480 LIQUID HERBICIDE when sprayed according to these instructions:

ANNUAL GRASSES				
Wild Oats*	Cheat			
Green & Yellow Foxtail (Wild Millet)				
Stinkgrass	Barnyardgrass			
Goosegrass	Crabgrass			
Annual Bluegrass	Bromegrass			
Persian Darnel				

ANNUAL BROADLEAVES

Wild Buckwheat*	Chickweed
Cowcockle	Purslane
Pigweed	Knotweed
Lamb's-quarters	Carpetweed

NOTE: *Wild Oats and Wild Buckwheat are not fully controlled but retarded by BONANZA 480 LIQUID HERBICIDE. Crop growth will not be seriously hampered by these retarded weeds.

RECOMMENDED RATES OF BONANZA 480 LIQUID HERBICIDE PER				
HECTARE				
SOIL TEXTURE				
<u>Light</u>	Medium	or	Heavy	
Sand	Loam		Silty clay loam	

Sandy loam (less than 6% organic matter) Silt loamSilty claySiltClay loamSandy clay loamClay(all soil with 6-15% organic matter)

RECOMMENDED RATES OF BONANZA 480 LIQUID HERBICIDE PER HECTARE

CROP	OP SOIL TEXTURE		REMARKS	
	Light	Medium / Heavy		
SPRING		RATE		
APPLICATION	L/ha			
Asparagus	1.7	2.3	BONANZA 480 LIQUID	
Black Beans			HERBICIDE can be applied	
Crambe			immediately prior to, or up to	
Dry Beans (field			3 weeks before planting. Do	
&kidney)			not apply to mustard on sandy	
Faba Beans			soils.	
Mustard				
Peas (Field &				
Canning)				
Rapeseed (Canola)				
Safflower				
Sainfoin				
Soybeans				
Strawberries				
Sunflowers				
Sweetclover				
Shelterbelts	4.6	9.2	Apply prior to transplanting	
(American Elm,			seedlings. The higher rate of	
Caragana, Green			application will result in better	
Ash, Scotch Pine			weed control and longer	
and Siberian Elm)			persistence in the soil.	
Asparagus	2.1	3.1-4.2	Follow recommended soil	
(established 3yrs)			preparation, application and	
			incorporation procedures.	
			Apply to established	
			asparagus in the early spring	
			after ferns are removed but	
			before spear emergence, or	
			apply after harvest in the late	
			spring or early summer before	
			ferning begins. Use the 4.2 L	
			rate for season long weed	
			control. CAUTION: Set	
			implements so asparagus	
			crowns are not injured during	
			soil preparation and	
			incorporation.	

Broccoli	2-6% OM*	2-6% OM*	Apply prior to transplanting.
Brussel Sprouts	1.7	2.3	Use the 2.9 L/ha rate for
(Transplant only)	6-15% OM	6-15% OM	heavy wild oat infestations.
	2.3	2.3-2.9	
Cabbage	2-6% OM	2-6% OM	Apply prior to seeding or
Cauliflower	1.7	2.3	transplanting. Use 2.9
(Direct seeded or	6-15% OM	6-15% OM	L/ha rate for heavy wild
transplanted)	2.3	2.3-2.9	oat infestations.
Carrots	1.7	2.3	Apply prior to seeding.
Forage Legumes:	1.7	2.3	Apply prior to seeding.
Seedling Alsike			
clover, Red clover,			
Cicer milkvetch,			
Bird's-foot			
trefoil.(For seed			
production and			
forage).			
Rutabaga	1.7	2.3	Apply prior to seeding.
Saskatoon berries	1.7	2.3	Apply prior to planting
			transplanted Saskatoon
			berries.
Snap Beans	1.7	2.3	Apply prior to seeding.
Tomatoes	2-6% OM	2.3	Apply prior to transplanting.
(Transplants only)	1.7		
	6-15% OM	2.3	
	2.3		

* OM – organic matter

CROP	SOIL TEXTURE		REMARKS
	Light	Medium / Heavy	
FALL		RATE	
APPLICATION		L/ha	
Black Beans	2.3	2.9	Apply and incorporate
Dry Beans (field &			between September 1 st and up
kidney)			to soil freeze-up.
Faba Beans			
Flax			
Lentils			
Mustard			
Peas			
Rapeseed (Canola)			
Safflower			
Soybeans			
Sunflower			

CROP	SOIL TEXTURE		REMARKS
	Light Medium / Heavy		

SUMMER APPLICATION	RATE L/ha	
Flax Rapeseed (canola) Safflower	All Soils at 3.54	Apply and incorporate between June 1st and September 1st. Second and subsequent incorporations may be done any time up to soil freeze-up.
NOTE: Do not	t delay incorporation more tha	n 24 hours after application.

USE ON OILSEED CROPS

Use one of the applications as described previously on this label. The use of BONANZA 480 LIQUID HERBICIDE on oilseed crops will provide control of certain broadleaf weeds and wild oats and non-tolerant green foxtail or millet. BONANZA 480 LIQUID HERBICIDE-tolerant green foxtail (wild millet) will not be controlled and may require the subsequent spraying of a post-emergent herbicide.

SPECIAL INSTRUCTIONS FOR FLAX AND LENTILS

- Application of BONANZA 480 LIQUID HERBICIDE 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 into a moist and firm seedbed.
- Seed flax or lentils when soil temperatures are warm and greater than 6°C. This is usually after mid-May.

CONTROL OF GREEN FOXTAIL (WILD MILLET) IN WHEAT & BARLEY

Barley	Hard Red Spring Wheat
Durum Wheat	Soft White Spring Wheat

MODE OF ACTION

Most Green Foxtail seeds germinate in the upper 5cm of the soil. BONANZA 480 LIQUID HERBICIDE sprayed and incorporated into this zone will prevent germination. Wheat and Barley seed should be sown below this layer (5-8 cm deep) to prevent crop damage. Apply and incorporate BONANZA 480 LIQUID HERBICIDE after planting but before emergence of Wheat or Barley.

RECOMMENDED RATES:

Light Soils	Heavy Soils
1.2 L/ha	1.75 L/ha

APPLICATION AND INCORPORATION OF BONANZA 480 LIQUID HERBICIDE

Seed the crop to a depth of 5-8 cm in a well tilled seedbed. Before crop emergence apply BONANZA 480 LIQUID HERBICIDE at the recommended rate (see above) according to the following procedure.

- Use a low pressure sprayer which delivers spray mix uniformly. Calibrate before operation. Calculate quantity of BONANZA 480 LIQUID HERBICIDE needed. Use at least 100 L water in the spray tank per hectare (broadcast basis). Add BONANZA 480 LIQUID HERBICIDE to the spray tank while filling up with clean water. Agitate thoroughly.
- Check sprayer operation daily before spraying and regularly while spraying to ensure maintenance of calibration and uniform application.
- The soil surface must be clean of trash or have been fallowed the previous year. Incorporate to a shallow depth (2-4 cm) in two directions (see mode of action above). Use diamond harrows, tyne harrows or other similar implements travelling at least 9 km/hr. Where possible spray and incorporate in the same operation. Incorporate twice within 24 hours and at right angles to each other. The first incorporation is done in the same direction as application.

STRAWBERRIES

Apply BONANZA 480 LIQUID HERBICIDE prior to planting transplanted strawberries. Follow recommended soil preparation, application and incorporation procedures for BONANZA 480 LIQUID HERBICIDE. Apply only in the spring. Use 1.7 L/ha on light soils and 2.3 L/ha on medium/heavy soils. Do not exceed the maximum application rate of 2.3 L/ha. Over application may delay establishment of runner plants.

ASPARAGUS (Established three years)

Follow recommended soil preparation, application and incorporation procedures for BONANZA 480 LIQUID HERBICIDE. Apply to established asparagus in the early spring after ferns are removed but before spear emergence. Or apply after harvest in the late spring or early summer before ferning begins. Use 2.1 L/ha on light soils and 3.15 L/ha to 4.2 L/ha on medium/heavy soils. Use the 4.2 L/ha rate for season long weed control.

CAUTION: Set implements so asparagus crowns are not injured during soil preparation and incorporation.

EASTERN CANADA AND BRITISH COLUMBIA

TIMING

Apply in the spring and before crop is planted and weed emergence. Apply uniformly to the soil surface and incorporate within 24 hours of application.

LAND PREPARATION

Before applying BONANZA 480 LIQUID HERBICIDE, ensure that all emerged and existing weeds have been eliminated through discing or cultivation. For application to stubble fields and trashy soils, thoroughly disc the soils prior to BONANZA 480 LIQUID HERBICIDE application to ensure that all crop residues and trash material have been mixed into the soil to a depth of 10-15 cm. Disc implements are preferred for eliminating trash.

METHOD OF APPLICATION - DO NOT APPLY BY AIR

Application should be made in a minimum of 100 litres of water per hectare at a pressure of 275kPa. Apply BONANZA 480 LIQUID HERBICIDE 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 BONANZA 480 LIQUID HERBICIDE. Continue filling operation until required volumes are achieved. Vigorous agitation is required before applying BONANZA 480 LIQUID HERBICIDE. Apply with ground equipment only. If possible, incorporate BONANZA 480 LIQUID HERBICIDE in the same operation as application. Susceptible crops in rotation will not be damaged if BONANZA 480 LIQUID HERBICIDE is applied uniformly. Avoid over-application. Do not initiate BONANZA 480 LIQUID HERBICIDE application until the sprayer is moving.

INCORPORATION

Incorporate with disc implements, rotary tillers 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 BONANZA 480 LIQUID HERBICIDE application. The first incorporation should be in the same direction as application. Both incorporations must be to a depth of 8-10 cm. For maximum weed control and crop tolerance cultivators should only be used when soils are in good working condition. The second incorporation must be at right angles to the first and can be done anytime prior to planting. Disc implements should be operated at 6-10 km/h and cultivators at 10-13 km/h.

CROPS REGISTERED IN EASTERN CANADA AND BRITISH COLUMBIA

2024-2738 2024-11-08

> Alfalfa, direct seeded Crambe Ornamentals, woody nursery stock Snap beans Asparagus Dry beans, (field or kidney) Peas, (field or canning) Soybeans Black beans Faba beans, (Horsebeans) Peppers, transplanted Strawberries Broccoli, transplanted Forage Kale Perennials, (ornamentals) Stubble white turnip (feed only) Brussel Sprouts, transplanted Forage Rape Rapeseed, (Canola)

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Sunflowers Cabbage, direct seeded/transplanted Lima beans Rutabaga Tomato, transplanted Carrots Mustard Shelterbelts, transplanted Cauliflower, direct seeded/transplanted

WEEDS CONTROLLED

The following weeds are controlled with BONANZA 480 LIQUID HERBICIDE when sprayed according to these instructions: ANNUAL GRASSES Annual Bluegrass Cheat Foxtail - Green & Yellow Stinkgrass Wild Oats* Barnyardgrass Crabgrass Goosegrass Bromegrass Fall Panicum Persian Daniel ANNUAL BROADLEAVES Carpetweed Pigweed + Chickweed Purslane Knotweed Lamb's-quarters+

+Triazine Tolerant varieties as well.

Loose Silky - Bentgrass will also be controlled in fall rye and winter wheat. *NOTE: Wild Oats is not fully controlled but retarded by BONANZA 480 LIQUID HERBICIDE. Crop growth will not be seriously hampered by this retarded weed.

RECOMMENDED RATES FOR CROPS IN EASTERN CANADA AND B.C. SOIL TEXTURE

<u>Light</u>	Medium	Heavy
Sand	Loam	Silty clay loam
Sandy loam	Silt loam	Silty clay
	Silt	Clay loam
	Sandy Clay loam	Clay

CROP	RATE (L/Ha)		REMARKS	
	SOIL	SOIL TEXTURE		
	Light	Medium	Heavy	
Carrots	1.25	1.7	2.3	Incorporate immediately after
Faba beans				application. Apply from 3
(Horsebeans)				weeks before planting up to
Forage kale				the time of planting.
Field beans (dry &				
kidney)				
Mustard				
rapeseed (canola)				
Soybeans				
Snapbeans				
Stubble white				
turnips (feed only)				
Direct Seeded:	1.25	1.7	2.3	Incorporate immediately after
Alfalfa				application. Apply from 3

Cabbage				weeks before planting up to
Cauliflower				the time of planting. Direct-
Cuulinower				seeded cabbage and
				cauliflower have exhibited
				marginal tolerances to
				recommended rates of
				BONANZA 480 LIQUID
				HERBICIDE. Under some
				circumstances stunting or
				reduced stands may occur.
Strawberries	1.25	1.7	2.3	Incorporate immediately after
Suawbernes	1.23	1./	2.3	application. Apply from 3
				weeks before planting to the
Dutahaga		1.7	2.3	time of planting.
Rutabaga	N/A	1./	2.3	Incorporate immediately after
				application. Apply from 3 weeks before planting to the
				1 0
				time of planting. Do not apply to turnips on sandy soil.
A	2.1	2.15	1.2	
Asparagus	2.1	3.15	4.2	Incorporate immediately after
				application. Use only on
				asparagus that has been
	1.05	1.7	2.2	established for at least 3 years.
Transplants:	1.25	1.7	2.3	Incorporate immediately after
Broccoli				application. Apply from 3
Brussel sprouts				weeks before planting to the
Cabbage				time of planting.
Cauliflower				
Peppers				
Tomatoes	1.05	1.05	1.7	T
Lima beans, peas	1.25	1.25	1.7	Incorporate immediately after
(field & canning)				application. Apply from 3
				weeks before planting up to
0 (1') 1	1.05	1 7		the time of planting.
Sweet white lupins	1.25	1.7	2.3	- Tagana and 11 (1 - C)
Ornamentals:	1.25	1.7	2.3	Incorporate immediately after
Transplanted				application. Apply from 3
wooded nursery				weeks before planting up to
stock and perennials	1.05	1 -		the time of planting.
Ornamentals:	1.25	1.7	2.3	Apply as directed spray to
Established woody				surface. Incorporate carefully
nursery stock				as closely as possible to
				ornamentals. Do not cause
				damage to roots.

Do not apply BONANZA 480 LIQUID HERBICIDE to ornamental ground covers such as Ajuga, Myrtle and Pachysandra. Injury may result.

	SOIL TEXTURE			
		light	medium	heavy
For first year	BONANZA 480	1.25 L/ha	1.7 L/ha	2.3 L/ha
trees:	LIQUID			
Apple	HERBICIDE*			
Apricot				
Cherry	Sencor 75 DF	550 g/ha	750 g/ha	750 g/ha
Peach				
Plum				
Pear				
*BONANZA 480 LIQUID HERBICIDE applied and incorporated before transplanting				
fruit trees will control most annual grasses and many broadleaf weeds. For the control of				
additional weeds BONANZA 480 LIQUID HERBICIDE may be tank mixed with				
SENCOR 75 DF. Do not apply more than one application per year. Refer to SENCOR				
75 DF label for directions on use and special precautions.				

APPLICATION OF BONANZA 480 LIQUID HERBICIDE/LEXONE DF HERBICIDE OR BONANZA 480 LIQUID HERBICIDE/SENCOR 75 DF AS TANK MIX IN SOYBEANS: The BONANZA 480 LIQUID HERBICIDE/LEXONE DF HERBICIDE or BONANZA 480 LIQUID HERBICIDE/SENCOR 75 DF tank mix controls all of the annual grasses and broadleaf weeds listed on this label, plus additional broadleaf weeds including velvetleaf, wild mustard and common ragweed. Control of cocklebur may be erratic ranging from fair to excellent. The BONANZA 480 LIQUID HERBICIDE/LEXONE DF HERBICIDE or BONANZA 480 LIQUID HERBICIDE/SENCOR 75 DF tank mix may be applied up to 10 days before planting. Incorporate properly.

BROADCAST RATE PER HECTARE

DROADCASI KAIL	I EK HECTAKE	
<u>SOIL TEXTURE(S)</u>	<u>BONANZA 480</u> LIQUID HERBICIDE	LEXONE DF HERBICIDE DISPERSIBLE GRANULES or SENCOR 75 DF
Light [sandy loam (a), loamy sand(b)]	1.25 L/ha	See product label
Medium [loam, silt loam, silt, sandy clay loam]	1.7 L/ha	See product label
Heavy [silty clay, silty clay loam (c), clay loam, clay	2.3 L/ha	See product label
• • •		

(a) On variable soils with light sandy areas, apply the proper rate to the sandy areas. Over- application may result in damage to these areas.

(b) Do not use on light soils with less than 1% organic matter.(c) Sandy loam and silty clay loam soils may be classified either as medium or heavy textured soils in some regions.

BONANZA 480 LIQUID HERBICIDE PRE-PLANT INCORPORATED FOLLOWED BY LINURON PRE-EMERGENT ON SOYBEANS

Apply BONANZA 480 LIQUID HERBICIDE pre-plant incorporated. Follow-up with a treatment of LINURON (i.e., AFOLAN F HERBICIDE or LOROX L HERBICIDE) as a band or broadcast after planting but before the crop emerges. Follow directions closely on the LINURON label. Apply in 225 to 335 L of water per hectare.

RATE PER HECATRE

SOILS (Loam or Clay types)	BONANZA 480 LIQ	UID		
HERBICIDE LOROX L HERBI	CIDE			
Light coloured	1.25 to 1.7 L/ha	1.9 to 2.25 L/ha		
low organic matter (2%)				
Dark coloured	1.7 to 2.3 L/ha	2.25 to 3.25 L/ha		
moderate organic matter (2-5%)				
This split application will provide for very bread spectrum wood control				

This split application will provide for very broad spectrum weed control.

ADDITIONAL TANK MIXES WITH BONANZA 480 LIQUID HERBICIDE FOR USE ON SOYBEANS

RATE OF BONANZA 480 LIQUID HERBICIDE L/ha			
	SOIL TYPE		
	Light	Medium	Heavy
BONANZA 480 LIQUID HERBICIDE preplant	1.25	1.75	2.3
incorporated/LOROX L HERBICIDE or			
AFOLAN F HERBICIDE			
See LOROX L HERBICIDE or AFOLAN F HER	BICIDE labels	for use rates, a	additional
weeds controlled, and precautions and limitations.			
			• •
BONANZA 480 LIQUID HERBICIDE preplant	1.25	1.7	2.3
incorporated / BASAGRAN LIQUID			
HERBICIDE + ASSIST OIL			
CONCENTRATE post-emergence			
See BASAGRAN LIQUID HERBICIDE label for use rates, additional weeds controlled,			
and precautions and limitations.			

BONANZA 480 LIQUID HERBICIDE USE IN TOMATOES

BONANZA 480 LIQUID HERBICIDE incorporated before planting tomatoes, will control most annual grasses and many broadleaf weeds. To control more weeds, use BONANZA 480 LIQUID HERBICIDE in combination with SENCOR 75 DF for the following:

BONANZA 480 LIQUID HERBICIDE PLUS SENCOR 75 DF IN TRANSPLANTED TOMATOES (GROWN FOR PROCESSING ONLY) BROADCAST RATE PER HECTARE:

SOIL TEXTURE	BONANZA 480 LIQUID	SENCOR 75 DF
	HERBICIDE	

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Light [sandy loam (a),	1.25	See product label
loamy sand(b)]		
Medium [loam, silt loam,	1.7	See product label
silt, sandy clay loam]		
Heavy [silty clay, silty	2.3	See product label
clay loam(c), clay loam,		
clay]		

•

- Refer to the SENCOR 75 DF label for additional instructions and precautions.
- BONANZA 480 LIQUID HERBICIDE may damage transplants weakened by any cause which may result in reduced crop yield. To prevent damage, plant only healthy transplants; do not plant when cool, wet or unfavourable growing conditions exist. Follow all application and incorporation directions exactly.

LOOSE SILKY-BENTGRASS CONTROL IN FALL SEEDED CEREALS (Wheat and Rye only) GROWN IN ROTATION WITH FLUE-CURED TOBACCO.

- Apply BONANZA 480 LIQUID HERBICIDE after seeding in the cereal crop but before crop emergence.
- Apply BONANZA 480 LIQUID HERBICIDE at 1-1.5 L/ha. Use the higher rate for heavier soil textures. Apply in a minimum of 100 L/ha of water.
- Incorporate BONANZA 480 LIQUID HERBICIDE to shallow depth (2.5-5.0 cm) immediately after application (within 24 hours) by turning harrows over and harrowing twice at right angles. If field debris is a potential problem, harrow once only with harrows set for maximum penetration. ENSURE DEPTH OF INCORPORATION IS LESS THAN SEEDING DEPTH.

CAUTION

BONANZA 480 LIQUID HERBICIDE may affect crops adversely if not used strictly in accordance with these instructions. It can only be used on crops mentioned on this label. The only grain crops for which it is suitable for use are wheat and barley. It may not be used on other grain crops such as oats, rye, or grass crops. Conditions causing seedling stress, such as wet soils, incorrect planting depth, seedling disease, low temperatures, excessive salt in the soil or drought, could bring about damage to the crop from BONANZA 480 LIQUID HERBICIDE. Spraying with BONANZA 480 LIQUID HERBICIDE may not provide satisfactory control of weeds other than Green Foxtail (Wild Millet) in wheat and barley.

STORAGE

Store above 4°C. Protect from freezing.

PRECAUTIONS

Warning - skin and eye irritant. Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes or clothing. Wear coveralls over long sleeved shirt and long pants, chemical resistant gloves, socks and chemical resistant footwear during mixing, loading, application, clean up and repair. Wear goggles or face shield during mixing/loading. Avoid inhalation of vapours. KEEP OUT OF REACH OF CHILDREN. Do not store near heat or flame. Avoid contamination of food stuffs, feed and fish ponds. This product contains a petroleum distillate at 56% which is moderately to highly toxic to aquatic organisms. Avoid contaminate these systems through direct application, disposal of waste or cleaning equipment.

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 the U.S., visit CropLife Canada's web site at: <u>www.croplife.ca</u>.

All handlers must wear a long-sleeved shirt and long pants. In addition, wear chemical-resistant gloves during mixing/loading, repair and clean-up activities.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

POTENTIAL SKIN SENSITIZER.

FIRST AID

IF ON SKIN OR 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 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.

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. 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: The formulation is moderately toxic when ingested and is an eye and skin irritant. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. Treat symptomatically.

DISPOSAL

6. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.

7. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.8. Make the empty container unsuitable for further use.

9. Dispose of the container in accordance with provincial requirements.

10. 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.

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 this product in a way that is inconsistent with the directions on the label.

LOROX is a registered trademark of E.I. DuPont & Company. SENCOR & AFOLAN is a registered trademark of Bayer CropScience. ASSIST & BASAGRAN are registered trademarks of BASF Aktiengesellschaft. ADVANCE, EDGE, TREFLAN are registered trademarks of DOW AGROSCIENCES. HERITAGE is a registered trademark of HERITAGE GARDEN PRODUCTS, DOW AGROSCIENCES is a registered user. TRIFLUREX is a registered trademark of MAKHTESHIM-AGAN. FORTRESS is a registered trademarks of Gowan Company, L.L.C.

GROUP 3 HERBICIDE

Base

BONANZA 480 LIQUID HERBICIDE

LIQUID HERBICIDE

COMMERCIAL WARNING

POISON

WARNING - EYE AND SKIN IRRITANT POTENTIAL SKIN SENSITIZER

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

GUARANTEE: TRIFLURALIN 480 g/L

REGISTRATION NO. 28289 PEST CONTROL PRODUCTS ACT

PROTECT FROM FREEZING

NET CONTENTS: 1-1000 L

IN CASE OF EMERGENCY DUE TO A MAJOR SPILL FIRE OR POISONING INVOLVING THIS PRODUCT CALL DAY OR NIGHT, 1-800-561-8273.

LOVELAND PRODUCTS CANADA INC. 789 Donnybrook Drive Dorchester, Ontario N0L1G5 1-800-265-4624

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