

96.10.07

LEXONE(R) L

HERBICIDE

SHAKE WELL BEFORE USING

LIQUID SUSPENSION FOR ASPARAGUS, SOYBEANS, POTATOES
BARLEY, WHEAT, TOMATOES, FABABEANS

AGRICULTURAL

READ THE LABEL BEFORE USING

GUARANTEE:

METRIBUZIN.....480 g/L

REGISTRATION NO. 14,963 PEST CONTROL PRODUCT ACT

NET CONTENTS: 10 L

PRECAUTIONS: Keep out of reach of children. May be harmful if inhaled or swallowed. Wear goggles when handling. Avoid breathing spray mist. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and warm water after handling. Wash contaminated clothing with soap and hot water before re-use.

Manufactured by
DU PONT AGRICHEMICALS CARIBE, INC.
Manati, P.R. A Subsidiary of
E.I. du Pont de Nemours & Co.(Inc.)
Wilmington, DE

Distributed in Canada by:
DU PONT CANADA INC.
AGRICULTURAL PRODUCTS
Box 2300 Streetsville
Mississauga, Ontario L5M 2J4
1-800-667-3925

IMPORTANT: Injury to or loss of desirable trees or other plants may result from failure to observe the following:

Do not apply (except as recommended for crop use), or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. Do not use on lawns, walks, driveways, tennis courts, or similar areas. Prevent drift of spray to desirable plants. Do not contaminate any body of water. Keep from contact with fertilizers, insecticides, fungicides, seeds, feed and food.

Thoroughly clean all traces of "Lexone" L from application equipment immediately after use. Flush tank, pump, hoses, and boom with several changes of water after removing nozzle tips and screens (clean these parts separately). Wash away any spray mixture from the outside of spray tank, nozzle or spray rig.

DISPOSAL:

1. Rinse the emptied container thoroughly and 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 and the cleanup of spills, contact the Provincial Regulatory Agency or the Manufacturer.

GENERAL INFORMATION

Du Pont "Lexone" L herbicide should be used only in accordance with recommendations on this label, or in separate published Du Pont recommendations available through local dealers.

"Lexone" L is a suspension to be mixed in water and applied as a spray for the selective control of certain grasses and broadleaf weeds in soybeans, potatoes, tomatoes and fababeans and certain weeds in spring wheat and spring barley. It is non-corrosive to equipment, non-flammable and non-volatile.

WEEDS CONTROLLED

When used as directed in Eastern Canada and B.C., "Lexone" L controls the following grasses and weeds. For weeds controlled in Manitoba, Saskatchewan and Alberta, see crop use instructions. Additional weeds may be controlled when "Lexone" L is used with other herbicides recommended on this label. Read product labels for further information.

Grass Weeds	Broadleaf Weeds	
Crab grass	Common chickweed	Lady's-thumb
Giant foxtail	Dandelion (seedling)	Yellow wood-sorrel
Green foxtail	Lamb's-quarters	Velvetleaf
Yellow foxtail	Wild Mustard	Green smartweed
Fall panicum	Redroot pigweed	Jimsonweed
Johnson grass(seedling)	Common ragweed	Russian thistle
Cheat grass	Shepherd's-purse	Prostrate pigweed
Witch grass	Prickly mallow	
Barnyard grass		
(Partial control)		

NOTE: Do not use on muck soil or subsequent crops may be injured.

Rotation crops such as onions, celery, peppers, cole crops, lettuce, spinach, sugar beets, table beets, turnips, pumpkin, squash, cucumbers, melons, tobacco, and canola are sensitive to "Lexone" L and may be injured if planted in "Lexone" L treated soil both during the year of application and the following crop year.

Applications of "Lexone" L made at rates above those recommended may result in burning, yellowing or stunting of the crop. If heavy rains occur soon after application, plant injury may result, especially in poorly drained areas where water may stand for several days.

Uneven application such as swath overlapping, variable tractor speed, spraying on turns, etc., may result in crop injury and

increase chance of injury to rotation crops.

DIRECTIONS FOR SELECTIVE USE IN CROPS

Preemergence Use: Soil should be well prepared and as free as possible from trash and clods; plant seed to specific depth on flat or raised seedbeds or crop injury may result. Moisture is necessary to activate this herbicide; best results are obtained if treatment is made to moist soil and moisture is supplied by rainfall or irrigation (0.5-1.0 cm) within two weeks after application. Do not apply a heavy irrigation immediately after application. If moisture is insufficient to activate the chemical or if the soil becomes crusted before crop emerges, a shallow rotary hoeing should be made before weeds become established; otherwise, avoid cultivating or disturbing the sprayed area. Do not cover treated band with soil while cultivating between rows. The degree of control and duration of effect will vary with the amount applied, soil texture, rainfall and other conditions.

NOTE: If unusually heavy rains follow application, severe crop injury may result.

Preplant Incorporated (PPI) herbicides with "Lexone" L: Herbicides recommended on this label for PPI application may not be used on peat, muck or other organic soils or on wet soils (mineral or organic) or on soils in poor working condition or on soils subject to prolonged periods of flooding. Apply with a tractor-mounted, fixed-boom sprayer properly calibrated to a constant speed and rate of delivery. Do not over-lap or over-apply; misapplication or improper soil incorporation can result in erratic weed control or crop injury. Seedling disease, cold weather, deep planting (more than 5 cm), excessive moisture, high soil pH (above 7.4), high salt concentration, or drought may weaken seedlings and increase possibility of crop injury. Under these conditions delayed crop development or reduced yields may occur. Read and carefully follow incorporation instructions on all recommended herbicide labels.

Use Rates and Soil Limitations: All dosages are expressed as broadcast rates. For band treatments, use proportionally less; for example for 30 cm band on 90 cm row, use 1/3 of the broadcast rate. Where a range of dosage rates is given, use the lower rate on lighter soils (low in clay or organic matter) and the higher rates on heavier soils. Do not use on sandy loam, loamy sand or sand as crop injury may result.

Equipment: Use a fixed-boom power sprayer properly calibrated to ensure a constant rate of application. Opening in screens should be equal to or larger than 50 mesh. Agitate by mechanical or hydraulic means in the spray tank. If by-pass or return line is used, it should terminate at bottom of tank to minimize foaming.

Spray Preparation: Fill tank 1/4 full with water. Start agitation system and add "Lexone" L and continue adding water. Then add separately each additional component of any tank mix while adding water. If a surfactant is used, add it last when the tank is nearly full. Continue agitation throughout. If poor mixing should occur with any component, premix the component with two parts water before adding to the spray tank.

NOTE: Fall seeded or cover crops such as oats, and rye may be injured when seeded within the same season as the application of "Lexone" L. Post-harvest tillage practices that provide thorough mixing of the soil may be helpful in reducing the chance of injury to succeeding crops.

USER REFERENCE

Label rates quoted on this label are listed below with reference to the number of 10 L jugs needed for each rate to spray on a specified number of hectares or multiples thereof.

NUMBER OF 10 L JUGS

LABEL RATES	NUMBER OF HECTARES				
	10	16.2	25	50	100
	---JUGS---				
425 mL/ha	0.42	0.69	1.0	2.1	4.3
440 mL/ha	0.45	0.71	1.1	2.2	4.4
500 mL/ha	0.5	0.81	1.2	2.5	5.0
550 mL/ha	0.55	0.89	1.4	2.8	5.6
625 mL/ha	0.62	1.0	1.5	3.1	6.3
660 mL/ha	0.66	1.1	1.6	3.3	6.6
850 mL/ha	0.85	1.4	2.1	4.25	8.5

LABEL RATES	NUMBER OF HECTARES				
	1.0	1.6	2.5	5.0	10.0
1 L/ha	1.0	1.6	2.5	5.0	10.0
1.1 L/ha	1.1	1.8	2.8	5.5	11.0
1.2 L/ha	1.2	1.9	3.0	6.0	12.0
1.3 L/ha	1.3	2.1	3.3	6.5	13.0
1.5 L/ha	1.5	2.4	3.8	7.5	15.0
1.7 L/ha	1.7	2.7	4.2	8.4	16.8
1.8 L/ha	1.8	2.9	4.5	9.0	18.0
2.0 L/ha	2.0	3.5	5.0	10.0	20.0
2.25 L/ha	2.25	3.6	5.6	11.2	22.4

SOYBEANS (Eastern Canada)

Du Pont "Lexone" L is recommended for use in soybeans:

- Preemergent to the crop
- Preemergent to the crop tank mixed with Dual or Amiben**
- Preplant incorporated Dual Treflan*** followed by "Lexone" L preemergent.
- Preplant incorporated tank mix with Treflan or Dual.

Treatments provide partial control of giant ragweed and cocklebur. American nightshade is controlled by Lasso or Dual.

Yellow nutsedge is controlled by Dual preplant incorporated at the high rate.

Replanting: If initial seeding of soybeans fails to produce a stand, the same crop may be replanted; do not rework soil. Do not retreat field with a second application as injury to the crop may result. Do not replant treated areas to any crop other than soybeans within 4 months.

NOTE: Do not use on Altona, Vansoy, Maple Amber, Ace or Nattawa soybeans as these varieties are sensitive to "Lexone" L and injury to the crop may result. Do not use treated vines for feed or forage. Do not replant treated areas to any crop other than soybeans within 4 months after treatment as injury to subsequent crops may result. Injury to soybeans may occur if any atrazine was applied on the soil the year before use of "Lexone" L.

Preemergence Application: Make a single application of "Lexone" L as a band or broadcast spray after planting (at least 4.5 cm deep) but before soybeans emerge. Do not spray over top of emerged soybeans. In areas of heavy weed pressure, use the higher "Lexone" L rate in the recommended range. In fields with variable soils, care should be taken to reduce treatment rate on sandy areas.

"Lexone" L Alone --- Broadcast Treatment

SOIL TEXTURE (1)	Litres of "Lexone" L in 150-300 Litres Water/ha	
	2-4% Organic Matter	Over 4% Organic Matter
Medium Soils (Loam, silt loam, silt, sandy clay, sandy clay loam)	1--1.5	1.5--1.75
Heavy Soils (Silty clay, silty clay loam, clay, clay loam)	1.75--2.0	2.0--2.25

(1) Do not use on sandy or coarse textured soils with less than 2% organic matter as crop injury may result.

"Lexone" L and Treflan

Preplant Incorporated: Before planting, mix "Lexone" L with water. Add Treflan as directed under "spray preparation" above and immediately incorporate in soil prepared according to the Treflan label.

Do not plant seed more than 5 cm deep.

Preplant Incorporated Plus Preemergence: Apply Treflan preplant incorporated followed by "Lexone" L preemergent. Follow directions on the Treflan label.

RATES PER HECTARE

SOIL TEXTURE(1)	APPLY IN 150-300 L WATER PER ha	
	"LEXONE" L	Treflan 545 EC

	PPI	PRE(2)	
Medium Soils (Loam, silt loam, sandy clay, sandy clay loam)	850 mL	850 mL--1 L	1.5 L
Heavy Soils (Silty clay, silty clay loam, clay, clay loam)	1 L	1--1.5 L	2.1 L

- (1) Do not use on sandy or coarse textured soils with less than 2% organic matter as crop injury may result.
- (2) Use the higher "Lexone" L rate on soils with more than 4% organic matter.

"Lexone" L and Dual

Preplant Incorporated: Mix "Lexone" L with water. Add Dual as directed under "spray preparation" above and incorporate to a depth of 5 cm within 14 days of planting.

Preemergence: Apply a tank mixture, prepared as above, as a band or broadcast spray during or after planting before the weeds or crop have emerged.

Split Application: Following preplant incorporation of Dual, apply "Lexone" L as a preemergence application.

Rates of Use: Dual -- apply 1.75-2.75 L/ha. Preplant incorporated treatment will control dominant infestations of nutsedge and/or annual grasses if higher rates of application are used.

"LEXONE" L -- RATES PER HECTARE

SOIL TEXTURE(1)	APPLY IN 150-300 L WATER PER ha	
	PPI	PRE (2)

Medium Soils (Loam, silt loam, silt, sandy clay, sandy clay loam)	850 mL	850 mL -- 1 L
Heavy Soils (Silty clay, silty clay loam, clay, clay loam)	1 L	1 L -- 1.5 L

(1) Do not use on sandy or coarse textured soils with less than 2% organic matter as crop injury may result.

(2) Use higher rate on soils with more than 4% organic matter.

"Lexone" L and Amiben

Preemergence: Mix "Lexone" L with water. Add Amiben as directed under "spray preparation" above and apply as a band or broadcast spray after planting but before soybeans emerge. Refer to the Amiben label for pertinent recommendations, directions for use, restrictions and any additional weeds not specified on this label.

RATES PER HECTARE

SOIL TEXTURE(1)	APPLY IN 150-300 L WATER PER ha	
	2-4% Organic Matter	More than 4% Organic Matter
Medium Soils (Loam, silt loam, silt, sandy clay, sandy clay loam)	660 mL -- 1 L "Lexone" plus 6.2 L Amiben	1.2 L "Lexone" L plus 6.2 L Amiben
Heavy Soils (Silty clay, silty clay loam, clay, clay loam)	1.3 L "Lexone" L plus 9.3 L Amiben	1.5 L "Lexone" L plus 9.3 L Amiben

(1) Do not use on sandy or coarse textured soil with less than

2% organic matter as crop injury may result.

POTATOES

POTATOES (Eastern Canada, coastal B.C. and irrigated crops in Alberta and Manitoba)

Do not use on sandy or coarse textured soils with less than 1% organic matter as crop injury may result. Potato varieties vary in their resistance to "Lexone" L. Use on a limited area to determine safety before larger scale sprays are adopted. Do not use on varieties Tobique or Belleisle. The variety Shepody has shown sensitivity to "Lexone" L applied at ground crack. An earlier preemergent application has shown greater crop safety. At the high rate, "Lexone" L will provide partial control of quackgrass, yellow nutsedge and will improve grass control when used in combination with a recommended grass killer. Supplemental row cultivation helps weed control.

How to Use

Preemergence: Make a single application of "Lexone" L at 1-2.25 L/ha after planting (at least 5 cm deep) or hilling but before crop emerges. See paragraph on use rates and soil limitations. Use 150-300 L water per ha. Apply before emerged weeds are 3 cm high.

Early Postemergence: If weather conditions prevent a preemergent application, 1.1-1.5 L per ha may be applied following 3 or more successive days of sunny weather. Treat before weeds are 3 cm tall and when potatoes are less than 10 cm in height. Treatment may cause some leaf burn. Do not use on red-skinned, Shepody, or early potatoes. Do not apply within 60 days of harvest.

Preemergence plus Postemergence: Follow directions above but do not apply more than 2.25 L per ha per season. Do not apply within 60 days of harvest.

"Lexone" L and Dual (Eastern Canada Only)

Preplant Incorporated: Apply the tank mixture* to the soil and incorporate to a depth of 5 cm within 14 days planting.

Preemergence: Apply the tank mixture* as a band or broadcast spray during or after planting before the weeds or crop have emerged.

Split Application: Following preplant incorporation of Dual, apply "Lexone" L as a preemergence application.

Split Application: Apply Dual as a preplant incorporated treatment or a preemergent treatment followed by "Lexone" L as an early postemergent treatment. Do not use "Lexone" L on red-skinned, Shepody, or early potatoes. Do not apply within 60 days of harvest.

*Mix "Lexone" L with water. Add Dual as directed under "spray preparation" above.

Rates of Use:

Dual -- Apply 2-2.75 L/ha. Preplant incorporated treatments will control dominant infestations of nutsedge and/or annual grasses when higher rates are used.

"LEXONE" L -- RATES PER HECTARE

SOIL TEXTURE(1)	APPLY IN 150-300 L WATER PER ha	
	PPI or PRE	POST
Medium to Heavy Soils	1.3--1.8 L	1.3--1.5 L

(1) Do not use on sandy or coarse textured soils with less than 1% organic matter as crop injury may result.

Do not use Dual on muck, peat muck or high organic matter soils.

Do not use Dual on the potato variety Superior.

Do not use Dual at ground crack or if potatoes have emerged.

POTATOES (Prairie Provinces and interior B.C.)

See general comments under Potatoes -- Eastern Canada above.

Early Postemergence: Apply "Lexone" L over the top of potato plants soon after emergence and before weeds are 4 cm high. Do not use on red-skinned, Shepody, or any early maturing varieties. Do not apply within 60 days of harvest.

Use 550 mL/ha of "Lexone" L as a broadcast spray. Weeds controlled are:

Wild Mustard

Hemp-nettle

Tartary Buckwheat	Chickweed
Ball Mustard	Corn Spurry
Green Smartweed	Lamb's Quarters
Lady's-Thumb	Stinkweed
Volunteer Rape	Shepherd's-purse
Redroot Pigweed	

Preplant Incorporated -- "Lexone" L and Eptam***** 8 E: Apply 550 to 850 mL/ha of "Lexone" L with 4.25-5.5 L/ha Eptam 8-E as a preplant incorporated treatment in 200-300 litres of water per hectare. Mix "Lexone" L in water. Add Eptam as directed under "spray preparation" above. For proper soil preparation, application and incorporation in the soil see the appropriate section of the Eptam label. Do not use on soil with greater than 7% organic matter or on sandy or coarse textured soils with less than 2% organic matter as crop injury may result. Do not use on red-skinned or early potatoes or on the varieties Belleisle or Tobique. Weeds controlled are:

Chickweed	Redroot Pigweed
Green Smartweed	Shepherd's-purse
Hemp-nettle	Wild Mustard
Lady's-thumb	Stinkweed
Lamb's-quarters	Volunteer Rape

FABABEANS

Preplant Incorporation

Spring Application: Apply 550-850 mL/ha of "Lexone" L tank mixed* with 1.5-2 L/ha Treflan 545 in 80-100 litres of water per hectare.

Fall Application: Apply 625-850 mL/ha of "Lexone" L tank mixed* with 2-2.6 L/ha Treflan 545 in 80-100 litres of water per hectare. *Mix "Lexone" L in water. Add Treflan as directed under "spray preparation" above and immediately incorporate into soil prepared according to the Treflan label instructions.

The treatment may control the following weeds:

Wild Mustard	Volunteer Rape
Lamb's-quarters	Hemp-nettle
Stinkweed	Shepherd's-purse
Green Smartweed	Redroot Pigweed
Lady's-thumb	Chickweed

Follow instructions on the Treflan label to avoid erratic weed

control and/or crop injury from uneven application or improper incorporation in the soil.

Do not use "Lexone" L on muck soils. Rotation crops such as vegetables, Canola, or tobacco may be injured if planted on treated soil within 2 years after application. Injury to succeeding crops may be reduced by a post harvest tillage of the soil.

SPRING WHEAT & SPRING BARLEY (Western Canada only)

Post-Emergence Application: Use "Lexone" L alone or combined with Banvel***** or MCPA amine 500. When combined, mix "Lexone" L with water. Add Banvel or MCPA as directed under "spray preparation" above.

Treatments will control corn spurry, stinkweed, volunteer rape, hemp-nettle, tartary buckwheat, ball mustard, wild mustard, chickweed, lamb's-quarters, lady's thumb and smartweed. Use the higher rate for the best residual control of chickweed or when weed infestation is dense.

Refer to the "Banvel" or MCPA amine 500 labels for recommendations, directions for use, restrictions and additional weeds specified on the labels.

Crop must be planted 5 cm deep and not underseeded with forages. Apply only once per season. Weed control may not be noticeable for 7 to 10 days. Temporary (7-10 days) lightening in crop colour and occasionally a slight reduction in crop height may be observed, especially if frost or abnormally high temperatures occur within 1-2 days of application. If frost occurs allow 4-5 days for crop to recover before applying "Lexone" L.

Allow a 4-5 day interval between application of "Lexone" L and wild oat herbicides.

Do not use on Klondike variety of barley.

Rainfall immediately after application may reduce crop. Do not apply within 60 days of harvest. Do not graze or feed crop to livestock within 30 days of application.

Product per hectare Apply in 80-100 L water per ha when weeds are small
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Stage of Crop Growth	2-5 LEAF STAGE (Mid-Tillering)	2-3 LEAF STAGE(3)	3-5 LEAF STAGE (Mid-Tillering)
Spring Barley	"LEXONE" L ALONE	"LEXONE" L PLUS "BANVEL	"LEXONE" L PLUS MCPA AMINE 500
	425-550 mL	425 mL "LEXONE" L PLUS 275 mL Banvel	425-550 mL "Lexone" L PLUS 850 mL -1.1L MCPA Amine 500
Spring Wheat	425 mL		425 mL "Lexone" L PLUS 850 mL-1.1L MCPA Amine 500

(3) On wheat, application may be made at the 4 leaf stage but crop tolerance may be reduced.

TOMATOES

"Lexone" L may be used on tomato transplants grown for processing only. Apply as a directed spray before weeds are 4 cm high. Avoid contacting at least the top 2/3 of the tomato foliage with spray. Best results are usually obtained when application is made to well established plants about 3 weeks after transplanting. Avoid applications when tomatoes are under stress from poor growing conditions such as cool, wet and cloudy weather. Do not apply to direct-seeded tomatoes.

Apply only once per season. Do not apply within 60 days of harvest.

SOIL TEXTURE	Litres "Lexone"L in 200-300L Water per ha
LIGHT SOILS (Loamy sand, sandy loam)	0.5 (4)
MEDIUM SOILS (Loam, silt loam, silt, sandy clay, sandy clay loam)	1
HEAVY SOILS (Silty clay, silt clay loam, clay, clay loam)	1-1.75 (5)

- (4) May not control grasses
- (5) High rate for very weedy fields only

ASPARAGUS

"Lexone" L may be used in asparagus as either a preemergence application in established asparagus or as a delayed postemergence treatment for transplanted and established asparagus for the control of annual grass and broadleaved weeds (see section "Weeds Controlled" for specific weeds).

Preemergence: Apply 2.3 to 4.7 L of product/ha in 100 to 300 L of water to established asparagus as a preemergence broadcast spray with low pressure ground equipment. Do not apply within 14 days of harvest.

Postemergence: Make one application per season of "Lexone" L 95 g delayed postemergence treatment for transplanted and established asparagus. Apply 2.3 to 4.7 L of product/ha in 100 to 300 L of water with low pressure ground equipment. Application of "Lexone" L should be made after completion of harvest when spears have developed and when weeds are well established.

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.

* Dual is a Registered trademark of Ciba-Geigy Canada Ltd.

** Amiben is a Registered trademark of Rhone Poulenc Canada Inc.

*** Treflan is a registered trademark of Dow-Elanco Canada Ltd.

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