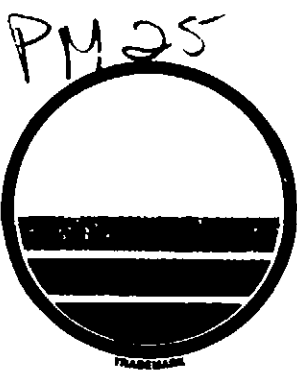




AGRICULTURAL PRODUCTS

..... A Growing Partnership With Nature



PM 25 352-390
SUPPLEMENTAL LABELING 10/85

**LEXONE® DF HERBICIDE
WINTER WHEAT,
BARLEY AND FALLOW**

LEXONE® DF HERBICIDE

EPA REG. NO. 352-390

FOR USE ON WINTER WHEAT, BARLEY & FALLOW

ACCEPTED
MAR 25 1993
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 352-390

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any type of irrigation equipment.

Do not use this product in the San Louis Valley of Colorado.

GENERAL INFORMATION

Du Pont "Lexone" DF Herbicide is recommended for suppression or control of certain grass and broadleaf weeds:

- Emergence application to barley (winter and spring) and winter wheat.
- In reduced tillage fallow where winter wheat will be the following crop.
- For use in the states of CO, ID, KS, MT, NE, ND, OK, OR, SD, TX, UT, WA and WY.

MIXING

See Spray Preparation section of "Lexone" DF label for specific mixing instructions in water and liquid fertilizer solutions. When tank mixing, carefully follow the instructions on the label. Do not tank mix "Lexone" DF with pesticides other than those specified below. When tank mixing, carefully follow the instructions on the label. Refer to the other product labels registered for use on barley, wheat and fallow for additional directions, rates, weeds controlled and restrictions.

"Lexone" DF may be tank mixed with fungicides used to control *Pseudocercospora herpichoides* foot rot.

APPLICATION

Apply "Lexone" DF using properly calibrated air or ground equipment. Uniform coverage is essential in order to obtain optimum weed control performance and minimize the potential for crop injury. Use a minimum spray volume of 3 gpa by air or 5 gpa by ground.

As injur; to crop may result, avoid overlapping of spray swath. Shut off spray booms while starting, turning, slowing, or stopping. Continuous agitation is needed to keep "Lexone" DF in suspension.

Do not exceed rates specified in this label.

Apply "Lexone" DF to healthy and actively growing plants. Weed control may not be observed for 2 to 4 weeks after application; under very dry conditions, weed control may not be apparent for 4 to 6 weeks. Adequate moisture (1/2 inch) is needed within 2 to 3 weeks after application to move "Lexone" DF into the weed root zone. Lack of adequate moisture after application may result in poor control. Control or suppression of listed weeds is dependent on weed size. Control or suppression can be reduced if broadleaf weeds are taller than 1" or grasses have more than 2 leaves.

"Lexone" DF may be tank mixed with Du Pont Express®, Finesse®, Glean® FC, and Harmony® Extra Herbicides, 2,4-D, MCPA, Banvel®/Banvel® SGF, Bronate® or Buctrif® herbicides. Refer to the companion product's label for additional directions, rates, weeds controlled and restrictions. Observe all precautions and limitations on labeling of all products used in mixtures.

For best weed control results:

Apply "Lexone" DF before broadleaf weeds emerge or shortly after emergence but before weeds are 1 inch tall or across.

- Use a fall treatment for winter annuals or a spring treatment for summer annual broadleaf weeds. Avoid making treatments in midwinter in areas where severe winter weather can cause crop stress.

Apply "Lexone" DF before grassy weeds emerge or shortly after emergence, but before the 3 to 5 leaf stage, using the higher dosage rates listed.

- If "Lexone" DF is applied sequentially, allow at least 45 days between applications.

Grazing and Harvesting Treated Crops

Wheat may be grazed 14 days following application but do not harvest grain within 21 days after last application. Do not graze or harvest barley before crop maturity.



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Precautions

Crop injury may occur if "Lexone" DF is applied:

1. When the crop is under stress such as winter kill, frost damage, disease, drought or excessive moisture, severe grazing, or when these conditions follow application.
2. In combination with liquid fertilizer especially with the addition of surfactant.
3. Prior to the growth stage specified on this label.
4. To soils high in lime or sodium, a pH greater than 7.7, calcareous, gravelly, thinly covered or exposed subsoil areas.
5. To fields where seed has been planted less than 1 inch deep.
6. To frozen soil or crop is in winter dormancy.
7. As a sequential treatment to or as a tank mix with Du Pont Karmex[®] DF Herbicide or diuron.
8. To a non-winter hardy wheat or barley variety.
9. To a sensitive wheat or barley variety listed below.

BARLEY AND WINTER WHEAT

"Lexone" DF herbicide is recommended for postemergence application in winter and spring barley and winter wheat.

The following varieties are sensitive to "Lexone" DF and should not be treated:

Winter Wheat: Century, Cimarron, Coker 9766, Coker 9877, Linden, Mesa, Mustang, TAM 107, Triumph 64, Vona, Wings, Winridge, and Yamhill. Avoid use on Spring wheat and Durum wheat varieties.

Barley: Morex, Glenn, Moravian 3, Larker, Summit, Bracken, Anheuser, Busch B2601 and varieties with Morex parentage.

Varieties differ in their tolerance to "Lexone" DF herbicide, to avoid possible crop injury, contact a Du Pont representative or herbicide expert for a recommendation before treating any unlisted variety.

"Lexone" DF may be mixed with liquid fertilizer. However, addition of liquid fertilizer to "Lexone" DF alone or in a three-way tank mix with other herbicides increases the possibility of crop injury. Do not use surfactant when using "Lexone" DF in combination with liquid fertilizer. Where liquid fertilizer is the total carrier, slurry the "Lexone" DF in water, then thoroughly mix the slurry into the liquid fertilizer.

Treatment controls the following broadleaf weeds:

- Annual Polemonium [Jacob's-Ladder] (*Polemonium micranthum*)
- Bur buttercup (*Ranunculus testiculatus*)
- Chickweed, common (*Stellaria media*)
- Chickweed, mouseear (*Stellaria vulgarum*)
- Conical catchfly (*Silene conica*)
- Corn cockle (*Agrostemma githago*)
- Falsifox, smallseed (*Camelina microcarpa*)
- Henbit (*Lamium amplexicaule*)
- Knotweed, prostrate (*Polygonum aviculare*)
- Kochia (*Kochia scoparia*)
- Lambaquarters, common (*Crenopodium album*)
- Mayweed [dogfennel] (*Eupatorium capillifolium*)
- Miner's lettuce (*Claytonia perfoliata*)
- Pennycress, field [lanweed] (*Thlaspi arvense*)
- Pigweed [prostrate, redroot] (*Amaranthus* sp.)
- Pineappleweed (*Matricaria matricarioides*)
- Prickly lettuce (*Lactuca serriola*)
- Redstem filaree (*Erodium cicutarium*)
- Shepherd's-purse (*Capsella bursa-pastoris*)

Treatment controls the following broadleaf weeds: (continued)

- Speedwell, ivyleaf (*Veronica hederifolia*)
- Tarweed, fiddleneck (*Amsinckia lycopsoides*)
- Treacle mustard (*Erysimum repandum*)
- Tumble mustard [Jim Hill] (*Sisymbrium altissimum*)
- Wild mustard (*Sinapsis arvensis*)

Treatment suppresses the following broadleaf weeds:

- Flixweed (*Descurainia sophia*)
- Gromwell (*Lithospermum officinale*)
- Russian thistle (*Salsola iberica*)
- Tansymustard (*Descurainia pinnata*)
- Wild buckwheat (*Polygonum convolvulus*)

Treatment suppresses the following grasses:

- Blackgrass [Black twitchgrass] (*Alopecurus myosuroides*)
- Cheatgrass (*Bromus secalinus*) [a]
- Downy Brome (*Bromus tectorum*) [a]
- Foxtail, green (*Setaria viridis*)
- Foxtail, yellow (*Setaria glauca*)
- Japanese brome (*Bromus japonicus*)
- Ryegrass, Italian (*Lolium multiflorum*)
- Windgrass (*Apera spica-venti*)

Suppression is an observable reduction in weed competition (reduced weed population and/or vigor) as compared to an untreated area. Degree of suppression can vary with soil type, environmental factors, and size of weeds at application.

[a] Best results with fall treatments

RECOMMENDED APPLICATIONS

Do not use on soils with an organic matter content of less than 1%.

Crop Growth Stage:	Ounces "Lexone" DF per Acre			
	2-leaf to 3 Tiller (1)		More than 3 Tiller (2)	
Organic Matter %:	1 to 2.0	Above 2.0	1 to 2.0	Above 2.0

Soil Texture

Coarse: Loamy sand, Sandy loam (3)	1 to 2	1 to 3	4 to 6	5 to 8
Medium: Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 3	2 to 3	4 to 8	5 to 8
Fine: Silty clay, Silty clay loam, Clay, Clay loam	2 to 3	2 to 4	5 to 8	8 to 10 2/3

1. Use these rates on crops with secondary roots smaller than 1 inch. Use Lexone DF alone or in combination with other herbicides listed on this label for early season control or suppression of broadleaf weeds and suppression of downy brome.
2. Use only when crop plants have more than 4 tillers and after secondary roots have developed and are larger than 1/2 inch in length throughout the field.
3. Do not use on coarse texture soils containing an organic matter content of 1 to 2% in the states of KS, OK and TX.



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Do not apply more than a total of 10 2/3 oz/A per year.

On irrigated cereals, do not apply more than 1/2 inch of water for the first irrigation; the maximum amount for each additional irrigation should not exceed 1 inch. Allow at least 14 days between the first irrigation following treatment and subsequent irrigations.

LOW RATE BROADLEAF WEED SUPPRESSION USED ALONE OR IN COMBINATION

"Lexone" DF at rates of 2 to 3 oz/acre may be used alone or in a tank mix with "Bronate", "Buctril", "Banvel"/"Banvel" SGF, 2,4-D, MCPA, "Glear" FC, "Finesse", "Harmony" Extra, or "Express" for control of the following broadleaf weeds:

- Blue mustard (*Chorispora tenella*)
- Chickweed, common (*Stellaria media*)
- Pennycress, field (*Thlaspi arvense*)
- Henbit (*Lamium amplexicaule*)
- Prickly lettuce (*Lactuca serriola*)
- Tarweed fiddleneck (*Amsinckia hycopsoides*)

Apply to winter wheat after the crop has reached the 2-leaf stage, but not during winter dormancy. Heavy rains immediately after application may cause crop injury.

LOW RATE GRASSY WEED SUPPRESSION USED ALONE OR IN COMBINATION

"Lexone" DF at rates of 2 to 4 oz/acre may be used alone, following a preemergence "Finesse" application, or in a tank mix with "Finesse" for suppression of the following grassy weeds in winter wheat only:

- Cheatgrass (*Bromus secalinus*)
- Downy brome (*Bromus tectorum*)
- Japanese brome (*Bromus japonicus*)
- Ryegrass, annual (*Lolium perenne*) (a)
- Ryegrass, Italian (*Lolium multiflorum*) (a)

Apply to winter wheat after the crop has reached the 2-leaf stage but not during winter dormancy. Grassy weeds should not exceed the 1- to 3-leaf stage of growth. Heavy rains immediately after application may cause crop injury.

(a) In OK and TX, apply "Lexone" DF at rates of 3 to 6 oz/A sequentially after "Finesse" or 3 to 4 oz/A as a tank mix with "Finesse".

FALLOW

"Lexone" DF may be applied to provide weed control during the fallow period after wheat harvest or in the spring before winter wheat is planted. Winter wheat can be seeded 4 months (120 days) after spring application. Mechanical tillage or the application of a contact herbicide may be required to control weeds germinating prior to seeding of winter wheat. Best results will be obtained where straw and chaff are evenly distributed across the field.

How to Use for Reduced Tillage Fallow

Apply 8 to 12 oz "Lexone" DF per acre as an after harvest treatment prior to subsequent planting of winter wheat the following year. Use the lower rate on coarse textured soils and the higher rate on medium to fine textured soils. Use higher rates for improved weed control or weeds designated as requiring higher rate for control. For best results, apply before weeds emerge. Rainfall (1/2 inch or more) is necessary for herbicide activation.

Do not plant crops in treated areas for at least 10 months following F₂ applications. See Rotational Crop Intervals section of this label for details.

If weeds are present, or weeds other than those listed are present or anticipated, use a suitable registered companion herbicide such as Gramoxone Extra, "Gramoxone" Super or Roundup. Refer to labeling for these products for the additional use instructions and precautions.

When using "Lexone" DF and "Roundup" tank mix, spray volume should be 10 gallons per acre (gpa).

Do not graze treated fields.

Do not plant spring seeded cereals following "Lexone" DF fall fallow applications.

Do not apply "Lexone" DF in the spring if "Lexone" DF was used postharvest the preceding fall or winter.

Weeds Controlled in Fallow

Broadleaves

- Chickweed, common (*Stellaria media*)
- Henbit (*Lamium amplexicaule*)
- Lambsquarters (*Chenopodium album*)
- Mustard, blue or purple (*Chorispora tenella*)
- Mustard, tumble [Jim Hill] (*Sisymbrium altissimum*)
- Mustard, tansy (*Descurainia pinnata*)
- Mustard, treacle (*Erysimum repandum*)
- Mustard, wild (*Brassica kaber*)
- Pennycress, field [lanweed] (*Thlaspi arvense*)
- Pigweeds (*Amaranthus* spp.)

Grasses

- Cheatgrass (*Bromus secalinus*)
- Downy brome (*Bromus tectorum*)

Weeds Needing Higher Use Rates for Control

Broadleaves

- Kochia (*Kochia scoparia*)
- Russian thistle (*Salsola iberica*)
- Wild sunflower (*Helianthus* spp.)

Grasses

- Wheat, volunteer (*Triticum* spp.)

ROTATIONAL CROP INTERVALS

	Waiting period after "Lexone" DF application (1)			
	4 Months	8 Months	12 Months	15 Months
Alfalfa		Barley	Other crops	Sugar beets
Asparagus		Cotton	not listed	Onions
Barley (2)		Lentils	(except	and other
Corn		Peas	root crops)	root crops
Forage grasses		Rice		
Potatoes		Wheat		
Sainfoin				
Soybeans				
Sugarcane				
Tomatoes				
Wheat (2)				

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1. Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed. Stand reduction may occur in some areas.
2. Following peas, lentils or soybeans.

IMPORTANT

BEFORE USING "LEXONE" DF WITH OTHER HERBICIDES IN COMBINATION, READ AND CAREFULLY OBSERVE THE CAUTIONARY STATEMENTS AND ALL OTHER INFORMATION ON THE PRODUCT LABELS.

This bulletin contains new or supplemental directions for use of these products which may not appear on the package labels. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

Registered Trademark of:

- * Sandoz Crop Protection Corp.
- * Rhone-Poulenc AG Company
- * ICI Americas Inc.
- * Monsanto Company

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AGRICULTURAL PRODUCTS

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SUPPLEMENTAL LABELING

5075

LEXONE® DF HERBICIDE
TANK MIX WITH 2,4-D (LVE)
FOR USE IN NO-TILL
AND MINIMUM-TILL SOYBEANS

LEXONE® DF HERBICIDE

EPA Reg. No. 352-390

TANK MIX WITH 2,4-D (LVE) FOR USE IN NO-TILL AND MINIMUM-TILL SOYBEANS

Du Pont "Lexone" DF Herbicide is recommended for use in a tank mix combination with 2,4-D low volatile ester (LVE) for residual and burndown control of weeds prior to planting soybeans which are directly seeded into a stale seedbed, cover crop, established sod, or in previous crop residues.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

HOW TO USE

A tank mix of "Lexone" DF plus 2,4-D (LVE) may be applied to control existing weeds prior to planting soybeans. Refer to the "Lexone" DF and 2,4-D (LVE) labels for use rates, weeds controlled, use instructions, limitations and restrictions.

2,4-D (LVE) USE RATES WHEN TANK MIXED WITH "LEXONE" DF FOR PREPLANT APPLICATIONS TO SOYBEANS

2,4-D (LVE) RATE	MINIMUM PREPLANT INTERVAL
1/2 p/A	7 Days
1 p/A	30 Days

Note: The application rate of 2,4-D (LVE) herbicide is based on, but not restricted to, a product containing 3.8 pounds acid equivalent (a.e./gallon). The equivalent rates in pounds acid equivalent would be:

1/2 p/A = 0.24 lb a.e./A and 1 p/A = 0.48 lb a.e./A

2,4-D (LVE) herbicide is Isooctyl (2-ethylhexyl) ester of 2,4-Dichlorophenoxyacetic acid.

Flat fan nozzles that minimize drift are recommended. Use a minimum of 10 gallons total spray volume per acre with ground equipment or a minimum of 5 gallons total spray volume per acre with aerial equipment.

Make only one application of 2,4-D (LVE) herbicide per growing season, regardless of the application rate used.

When 2,4-D (LVE) herbicide is applied, do not feed hay, forage, or fodder. Restrict livestock from grazing treated fields. Livestock should be restricted from feeding/grazing of treated cover crops.

Refer to the 2,4-D (LVE) herbicide label for precautionary statements, restrictions, and mixing instructions. Read the crop injury statements on the 2,4-D (LVE) herbicide label and use only if these statements are acceptable.

Refer to the "Lexone" DF and the 2,4-D (LVE) labels for additional weeds controlled, precautions, restrictions, limitations, and sprayer cleanup information.

Observe all cautions and limitations on labeling of all products used in mixtures.

IMPORTANT

BEFORE USING "LEXONE" DF, READ AND CAREFULLY OBSERVE THE CAUTIONARY STATEMENTS AND ALL OTHER INFORMATION APPEARING ON THE PRODUCT LABEL.

This bulletin contains new or supplemental instructions for use of this product which may not appear on the package label. Follow the instructions carefully.

This labeling must be in possession of the user at the time of pesticide application.

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ACCEPTED

MAR 15 1992

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 352-390

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