

26-FEB-2008 2007-3246

03-SEP-2009 2009-3137 Notification : Change in Registrant

20193-20080219 P3 E Label
<Bag label>

GROUP	7	HERBICIDE
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LOROX® DF HERBICIDE

DRY FLOWABLE

AGRICULTURAL

READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

GUARANTEE: Linuron 50%

Warning contains the allergen sulfites

REGISTRATION NO. 20193 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 10 KG

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.
MAY IRRITATE EYES, NOSE, THROAT AND SKIN.
Avoid breathing dust or spray mist.
Avoid contact with skin, eyes and clothing.

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: www.croplife.ca

Notification Change

~~E. I. du Pont Canada Company
Agricultural Products
P. O. Box 2300 Streetsville
Mississauga, Ontario
L5M 2J4
1-800-667-3925~~

Tessernderlo Kerly Inc.
2255 44th Street - Suite 300
Phoenix AZ 85008 - 3279
USA

FIRST AID

INHALATION:

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

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.

EYE CONTACT:

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.

INGESTION:

Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Take container label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

STORAGE AND DISPOSAL

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, food or feed. Not for use or storage in or around the home. Keep container closed.

DISPOSAL:

1. Completely empty bag into spray mixture tank.
2. Make the empty bag unsuitable for future use.
3. Dispose of the container in accordance with provincial requirements.
4. For information on 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 pest control product is to be used only in accordance with the directions on the 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. The user assumes the risk to persons or property that arises from any such use of this product.

<DFU>

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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.

EYE CONTACT:

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.

INGESTION:

Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Take container label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

GENERAL INFORMATION

LOROX® DF Herbicide should be used only in accordance with recommendations on this label. LOROX® DF Herbicide is a dry flowable granule to be mixed in water and applied as a spray for the selective control of annual weeds in field corn, soybeans, carrots, potatoes, chokecherries (fall seeded plantings), Saskatoon berries (established plantings), cereals, asparagus, fruit trees, sweet white lupins, and shelter belts (Western Canada). It is noncorrosive to equipment, nonvolatile, and nonflammable.

LOROX® DF Herbicide selectively controls annual weeds such as:

barnyard grass [†]	redroot pigweed
velvetleaf [†] (buttonweed [†])	purslane
common chickweed	ragweed
crabgrass [†]	shepherd's-purse
field pennycress	smartweed
foxtail [†]	annual sowthistle
goosefoot	wild buckwheat
knotweed	witchgrass
lambsquarters	wormseed-mustard

[†]Partial control

NOTE: LOROX® DF Herbicide will control triazine resistant lambsquarters and redroot pigweed.

USE RATES AND SOIL LIMITATIONS:

All dosages are expressed as broadcast rates. For band treatment, use proportionately less; for example, for 30 cm band on 90 cm row, use $\frac{1}{3}$ of the broadcast rate. Where a range of dosage rates is given, use the lower rates on lighter soils (lower in clay or organic matter) and the higher rates on heavier soils. **DO NOT USE ON SANDY OR COARSE-TEXTURED SOILS LOW IN ORGANIC MATTER (LESS THAN 1%), AS CROP INJURY MAY RESULT.**

EQUIPMENT:

Use a fixed boom power sprayer properly calibrated to insure 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. Stainless steel or hardened stainless steel nozzles are recommended. The sprayer pump must be of sufficient capacity to supply adequate agitation through the bypass or jet agitator.

MIXING INSTRUCTIONS:

When mixing LOROX® DF Herbicide with other herbicides use the following mixing order:

- Dry Flowable formulations first; ensure that all granules and water soluble packaging (if applicable) are dissolved before proceeding
- Liquid formulations second
- Emulsifiable Concentrates third

SPRAYER PREPARATION:

Mix the proper amount of LOROX® DF Herbicide in the necessary volume of water in the spray tank with the agitator running. Continuous agitation is required. Ensure that LOROX® DF Herbicide has thoroughly dissolved before adding additional components of any tank mix. Tank mix components must be added separately; follow mixing instructions stated above. If a surfactant is used, add it last when the tank is nearly full.

REPLANTING:

If initial seeding of soybeans, carrots, potatoes, or field corn fails to produce a stand, the same crop may be replanted in soil treated with LOROX® DF Herbicide. Thoroughly rework soil before replanting. Do not retreat field with a second application of LOROX® DF Herbicide as injury to the crop may result. Do not replant treated areas to other crops within 4 months after last application (or as otherwise directed) as injury to subsequent crops may result.

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 dry powder or spray to desirable plants. Do not contaminate any body of water. Keep from contact with fertilizers, insecticides, fungicides, and seeds. Thoroughly clean all traces of LOROX® DF Herbicide 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).

GENERIC AERIAL APPLICATION LABEL INSTRUCTIONS

DIRECTIONS FOR USE:

Apply only by fixed-wing or rotary aircraft equipment, which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label. Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate or aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment. Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

USE PRECAUTIONS:

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides. Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed. Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particle (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

OPERATOR INSTRUCTIONS:

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot have communication capabilities at each treatment site at the time of application. The field crew and the mixer/loaders must wear chemical-resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label. All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

PRODUCT SPECIFIC PRECAUTIONS:

Read and understand the entire label before opening this product. If you have questions, call E.I. du Pont Canada Company at 1-800-667-3925 or obtain technical advice from the distributor or your provincial agricultural representative.

Application of this specific product must meet and/or conform to the following:

Volume: Apply the recommended rate in a minimum spray volume of 50 to 80 litres per hectare.

A spreader-sticker may be used if needed. Add LOROX® DF Herbicide slowly to water with agitation, or premix thoroughly for concentrate or aircraft sprays. Continuous agitation is required to keep the product in suspension.

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management, Lorox® DF Herbicide is a Group 7 herbicide. Any weed population may contain or develop plants naturally resistant to Lorox® DF Herbicide and other Group 7 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 resistance-management strategies should be followed.

To delay herbicide resistance:

- ◆ Where possible, rotate the use of Lorox® DF Herbicide or other Group 7 herbicides 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.
- ◆ Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- ◆ Monitor treated weed populations for resistance development.
- ◆ Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- ◆ 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 DuPont at 1-800-667-3925.

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 specified depth on flat or raised seedbeds or crop injury may result. Treatment provides control of annual weed seedlings. Sufficient moisture (usually 3 to 5 cm) in the form of rainfall or irrigation is necessary after treatment to carry the chemical into the root zone of germinating weeds; best results are obtained when this occurs within 7 to 10 days 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 well established; otherwise, avoid cultivating or disturbing the sprayed area. Do not cover treated band with soil while cultivating between the rows.

NOTE:

If unusually heavy rains follow application, severe injury to field corn, soybeans, carrots and potatoes may result.

CAUTION:

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

POST EMERGENCE USE:

Treatment provides contact kill of growing annual weeds as well as control of germinating weed seedlings. Where addition of a surfactant to the spray mixture is recommended, dilute with 10 parts of water and add as the last ingredient to a nearly full tank.

SOYBEANS

PREEMERGENCE APPLICATION:

Apply LOROX® DF Herbicide as a band or broadcast spray after planting (at least 5 cm deep) but before soybeans emerge. Do not spray over top of soybeans. See paragraph on replanting under “General Information”.

LOROX® DF HERBICIDE RATES PER HECTARE- BROADCAST TREATMENT	
Apply in 225-335 L water/ha	
SOILS (Loam or Clay Types)	LOROX® DF HERBICIDE
Light Coloured - low organic matter (1% - 2%)	2.25 - 3.25 kg
Dark Coloured-moderate organic matter (2% - 5%)	3.25 - 4.5 kg

TREFLAN* EC (P.P.I.) AND LOROX® DF (PRE)

Apply TREFLAN* EC (trifluralin) preplant incorporated followed by LOROX® DF Herbicide preemergence. Follow directions closely on TREFLAN* ELabel (480 g/L) . Make a single application of LOROX® DF Herbicide as a band or broadcast spray after planting (at least 5 cm deep) but before crop emerges.

TREFLAN* EC FOLLOWED BY LOROX® DF HERBICIDE - RATES PER HECTARE		
Apply in 225-335 L Water Per ha		
SOILS¹ (Loam or Clay Types)	TREFLAN* EC (PPI)	LOROX® DF HERBICIDE (PRE)
Light coloured-low organic matter (1% - 2%)	1.25 - 1.7 L	1.8 - 2.2 kg
Dark coloured-moderate organic matter (2% - 5%)	1.7 - 2.4 L	2.2 - 3.1 kg

¹. Do not use on coarse-textured soils, low in organic matter (less than 1%), as crop injury may result.

LOROX® DF HERBICIDE PLUS DUAL* MAGNUM* OR DUAL* II MAGNUM* (Eastern Canada Only)

LOROX® DF Herbicide plus DUAL* MAGNUM* or DUAL* II MAGNUM* is recommended for use in soybeans as a preemergence tank mix or split application treatment for the control of many annual broadleaf weeds and grasses. American nightshade is controlled. Yellow Nutsedge is controlled by the split application.

RATES OF USE: Apply 1.75 - 2.25 kg/ha LOROX® DF Herbicide and 1.15 - 1.75 L/ha of DUAL* MAGNUM* or DUAL* II MAGNUM* for all treatments.

PREEMERGENCE: Apply the tank mix in 70-135 L of water per ha.

SPLIT APPLICATION:

Apply DUAL* MAGNUM* or DUAL* II MAGNUM* pre-plant incorporated followed by LOROX® DF Herbicide preemergent. Apply as a band or broadcast treatment before crops and weeds

emerge. Carefully follow the instructions for incorporation on the DUAL* MAGNUM* or DUAL* II MAGNUM* label. Read and follow use instructions for Soybeans elsewhere on this label.

NOTE:

Do not use DUAL* MAGNUM* or DUAL* II MAGNUM* on muck, peat muck or high organic matter soils. Do not use on sandy or coarse-textured soil, low in organic matter. Do not soil incorporate tank mixes of LOROX® DF Herbicide and DUAL* MAGNUM* or DUAL* II MAGNUM*.

LOROX® DF Herbicide plus LEXONE® DF plus DUAL* MAGNUM* or DUAL* II MAGNUM*

PREEMERGENCE APPLICATION:

Mix LOROX® DF Herbicide followed by LEXONE® DF and DUAL* MAGNUM* or DUAL* II MAGNUM* in the spray tank with water and apply as a band or broadcast spray after planting but before soybeans emerge. Read and carefully observe information on LEXONE® and DUAL* MAGNUM* or DUAL* II MAGNUM* labels.

RATES PER HECTARE					
Apply in 200-300 L water per ha					
SOIL TEXTURE ¹	LEXONE® DF	+	LOROX® DF Herbicide	+	DUAL* MAGNUM* OR DUAL* II MAGNUM*
Light Soils (sandy loam or loamy sand)	210 – 400 g	+	1.5 - 1.75 kg	+	1.15 –1.75 L
Medium Soils (loam, silt loam, silt, sandy clay, sandy clay loam)	385 - 465 g	+	1.7 - 1.9 kg	+	1.15 – 1.75 L
Heavy Soils (silty clay, clay, silty clay loam, clay loam)	465 - 550 g	+	1.75 - 2.0 kg	+	1.15 – 1.75 L

¹. Do not use on light textured soils with less than 2% organic matter. Use the lower rates for soil texture when organic matter is 2%-4%, higher rates when organic matter is more than 4%.

LOROX® DF HERBICIDE PLUS PURSUIT* HERBICIDE (240G/L) OR PURSUIT* 70 DG HERBICIDE (Preemergent Application)

LOROX® DF Herbicide may be tank mixed with PURSUIT* Herbicide (240g/L) or PURSUIT* 70 DG Herbicide to provide a broader spectrum of weed control. Follow the rates, recommendations, precautions and restrictions on the PURSUIT* Herbicide (240g/L) or PURSUIT* 70 DG Herbicide label. DO NOT APPLY BY AIR.

CARROTS

PREEMERGENCE APPLICATION:

Make a single application of 1.1 - 3.25 kg LOROX® DF Herbicide in 225 - 335 L water per hectare of ground actually sprayed. Apply as a band or broadcast spray after planting (at least 1 cm deep) but before carrots emerge. See paragraph on Use Rates and Soil Limitations.

NOTE: Crop injury may result from preemergence application of the higher rate.

POSTEMERGENCE APPLICATION:

For carrots NOT treated pre-emergence, make a single application of LOROX® DF Herbicide as a non-directed spray when carrots have two or more fully developed true leaves (8-15 cm tall). Use 2.25-4.5 kg in 225-335 L water per ha of ground actually sprayed. Use the lower rates on small seedling weeds and the higher rates on larger established weeds. Apply before annual

grasses exceed 5 cm in height and before broadleaf weeds exceed 15 cm in height. Use nozzle pressure of 175-275 kPa; do not exceed 275 kPa as crop injury may result. Do not apply LOROX® DF Herbicide as a tank mixture with herbicidal oil or with a surfactant, nor when temperature exceeds 32°C, as crop injury may result.

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

COMBINATION PRE PLUS POSTEMERGENCE APPLICATION:

Make a preemergence application of LOROX® DF Herbicide at 1.1 - 2.25 kg/ha and follow with a post emergence application of 2.25 - 4.5 kg/ha, provided treatments are at least 2 weeks apart. Shorter time intervals between applications may result in injury to the crop. Observe limitations detailed above for preemergence and post emergence use in carrots.

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

**NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT
FOR SPECIAL USE APPLICATIONS:**

The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than E. I. du Pont Canada Company and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. E. I. du Pont Canada Company, itself makes no representation or warranty with respect to product performance (efficacy) and crop tolerance (phytotoxicity) of this product when used on the crops listed. Accordingly, the User assumes all liability arising, and agree to hold E. I. du Pont Canada Company harmless from any claims based on efficacy or phytotoxicity in connection with these uses.

CORIANDER and CARAWAY:

POSTEMERGENCE: Apply 1.2-1.6 kg/ha for control of wild mustard. Make only one application per year. Apply to coriander and caraway in the 2 to 4 leaf stage of growth; apply to wild mustard when in the cotyledon to 4-leaf stage.

Apply in a spray volume of 100 L water/ha.

Do not apply within 60 days of harvest.

Refer to other sections of this label for additional application instructions, soil limitations and/or use precautions.

DILL (plant seed at least 1.3 cm deep):

PREEMERGENCE: Apply LOROX® DF Herbicide as a band or broadcast application after planting, at a rate of 1.25-1.82 kg/ha on loam or clay soil with low organic matter, or at a rate of 1.82 – 2.4 kg/ha on muck or clay soil with medium organic matter.

POSTEMERGENCE: Apply 1.82-4.5 kg/ha when crop has 2 or more fully developed leaves. Use lower rates on small seedling weeds and the higher rates on established weeds. Apply LOROX® DF Herbicide in a water volume of 220-440 L water/ha. Apply before annual grasses exceed 5 cm in height and before broadleaf weeds exceed 15 cm. During hot, dry weather, spray in cool part of the day to avoid injury. Nozzle pressure must not exceed 275 kPa (40 psi) as crop injury may result. LOROX® DF Herbicide may be applied after carrot oil provided treatments are at least 1 day apart. Carrot oil may be applied following LOROX® DF Herbicide, ALLOWING A 2 WEEK INTERVAL between LOROX® DF Herbicide and carrot oil. Shorter intervals may cause crop damage. DO NOT TANK MIX LOROX® DF Herbicide WITH HERBICIDE OIL OR SURFACTANTS.

PREEMERGENCE Plus POST EMERGENCE: Apply a maximum of 1.82 kg/ha pre-emergence followed by a maximum of 2.4 kg/ha post emergence. These treatments must be a LEAST 2 weeks apart or crop injury may result. NEVER apply more than these two applications per season and do not use higher rates. Observe instructions for both pre-emergence and post-emergence use carefully before using.

Do not apply within 60 days of harvest.

If initial stand of dill fails to produce a stand, DO NOT replant dill in soil treated with Lorox L Herbicide.

Refer to other sections of the label for additional application instructions and/or use precautions.

SWEET CORN:

LOROX® DF Herbicide plus DUAL II MAGNUM plus ATRAZINE 90WG: For control of labeled weed species, a pre-emergent application of LOROX® DF Herbicide at 0.77 – 1.50 kg/ha with DUAL II MAGNUM at 1.25 L/ha and ATRAZINE 90WG at 1.1 – 1.7 kg/ha may be applied to sweet corn. Apply the tank mixture pre-emergent to the crop in a minimum of 150 litres of water per hectare using ground equipment. Do not apply by air. Make one application per year only.

Do not harvest within 50 days of application.

PARSNIP (plant seed at least 1.3 cm deep):

Preemergence Application: **Apply LOROX® DF Herbicide as a band or broadcast application after planting, at a rate of 1.25-1.82 kg/ha on loam or clay soil with low organic matter, or at a rate of 1.82 – 2.4 kg/ha on muck or clay soil with medium organic matter.**

Postemergence Application: **Apply 1.82 – 4.51 kg/ha when crop has 2 or more fully developed leaves. Use lower rates on small seedling weeds and the higher rates on established weeds. Apply LOROX® DF Herbicide in a water volume of 220-440 L water/ha. Apply before annual grasses exceed 5 cm in height and before broadleaf weeds exceed 15 cm. During hot, dry weather, spray in cool part of the day to avoid injury. Nozzle pressure must not exceed 275 kPa (40 psi) as crop injury may result. LOROX® DF Herbicide may be applied after carrot oil provided treatments are at least 1 day apart. Carrot oil may be applied following LOROX® DF Herbicide, ALLOWING A 2 WEEK INTERVAL between LOROX® DF Herbicide and carrot oil. Shorter intervals may cause crop damage. DO NOT TANK MIX LOROX® DF Herbicide WITH HERBICIDE OIL OR SURFACTANTS.**

Preemergence Plus Post Emergence: **Apply a maximum of 1.82 kg/ha pre-emergence followed by a maximum of 2.4 kg/ha post emergence. These treatments must be a LEAST 2 weeks apart or crop injury may result. NEVER apply more than these two applications per season and do not use higher rates. Observe instructions for both pre-emergence and post-emergence use carefully before using.**

Do not apply within 60 days of harvest.

CELERY:

Postemergence Application: **Apply 1.82– 4.51 kg/ha to transplants as soon as new growth has started. Some temporary discolouration may occur. See paragraph on Soil Limitations.**

POTATOES

LOROX® DF HERBICIDE ALONE - PREEMERGENCE APPLICATION:

Make a single broadcast application of LOROX® DF Herbicide at 2.2 - 4.3 kg/ha (see paragraph on Use Rates and Soil Limitations) after planting (at least 5 cm deep) but before crop emerges. Use sufficient water (320 L per ha) to cover the ground evenly. If beds are to be “dragged” and/or “hilled”, apply after the final “dragging” or “hilling” operation. Apply before emerged grasses are 5 cm tall and before broadleaf weeds are 15 cm tall. Do not apply after potatoes have emerged. Use high rates of LOROX® DF Herbicide for annual grass control.

LOROX® DF HERBICIDE plus DUAL* MAGNUM* or DUAL* II MAGNUM* (EASTERN CANADA ONLY):

LOROX® DF Herbicide plus DUAL* MAGNUM* or DUAL* II MAGNUM* is recommended for use in potatoes as a preemergence tank mix or split application treatment for the control of many annual broadleaf weeds and grasses. American nightshade is controlled. Yellow nutsedge is controlled by the split application.

RATES OF USE: Apply 1.75 – 2.25 kg/ha LOROX® DF Herbicide and 1.25 – 1.75 L/ha DUAL* MAGNUM* or DUAL* II MAGNUM* for all treatments.

PREEMERGENCE: Apply the tank mix in 70-135 L/ha water.

SPLIT APPLICATION:

Apply DUAL* MAGNUM* or DUAL* II MAGNUM* pre-plant incorporated followed by LOROX® DF Herbicide preemergent. Apply as a band or broadcast treatment before crops and weeds emerge. Carefully follow the instructions for incorporation on the DUAL* MAGNUM* or DUAL* II MAGNUM* label.

NOTE:

Do not use this LOROX® DF Herbicide plus DUAL* MAGNUM* or DUAL* II MAGNUM* tank mix on the potato variety Superior. Do not use DUAL* MAGNUM* or DUAL* II MAGNUM* on muck, peat muck or high organic matter soils. Do not use on sandy or coarse-textured soil, low in organic matter. Do not soil incorporate tank mixes of LOROX® DF Herbicide and DUAL* MAGNUM* or DUAL* II MAGNUM*. Do not use at ground crack or if potatoes have emerged.

FIELD CORN**Preemergence Application**

LOROX DF Herbicide Plus Atrazine 80W:

Make a single application of LOROX DF Herbicide in combination with Atrazine 80W, as a band or broadcast spray after planting (at least 5 cm deep) but before corn emerges. Do not spray over top of corn. Do not follow treated corn with sugar beets, tobacco or vegetables in rotation. Prior to replanting to any crop following treated corn, thorough seedbed preparation including fall or spring ploughing is recommended.

BROADCAST APPLICATION

Soils	Apply in 225 - 335 L Water per Ha		
Loam or Clay Types	Lorox DF Herbicide	plus	Atrazine 80W
Light coloured-low organic matter (2% or less)	2.16 kg	plus	1.5 kg
Dark coloured-moderate organic matter (2-5%)	3.12 kg	plus	2.25 kg

PREEMERGENCE APPLICATION (for control of triazine-resistant lambsquarters and redroot pigweed):

Make a single application of LOROX® DF Herbicide in combination with Atrazine 90 W and DUAL* MAGNUM* or DUAL* II MAGNUM* or LOROX® DF Herbicide plus PRIMEXTRA* II MAGNUM* as a band or broadcast spray after planting (at least 5 cm deep) but before corn emerges. Do not spray over top of corn. Do not follow treated corn with sugar beets, tobacco or vegetables in rotation. Prior to replanting to any crop following treated corn, thorough seedbed preparation including fall or spring ploughing is recommended.

LOROX® DF Herbicide + DUAL* MAGNUM* or DUAL* II MAGNUM* + ATRAZINE 90 W:

Apply 0.75-1.5 kg/ha LOROX® DF Herbicide and 1.25 – 1.75 L/ha DUAL* MAGNUM* or DUAL* II MAGNUM* and 1.1-1.7 kg/ha Atrazine 90W

LOROX® DF Herbicide + PRIMEXTRA* II Magnum* : Apply 0.75-1.5 kg/ha LOROX® DF Herbicide and 3.0-4.0 L/ha PRIMEXTRA* II MAGNUM* as a pre-emergent application.

Please consult the PRIMEXTRA* II MAGNUM* label for list of additional weed species controlled by this product.

REPLANTING:

Fields treated with a combination of LOROX® DF Herbicide, Atrazine 90 Wand DUAL* MAGNUM* or DUAL* II MAGNUM* or LOROX® DF Herbicide and PRIMEXTRA* II MAGNUM* may be replanted to the same crop if initial seeding fails to produce a stand. Thoroughly rework soil before replanting. Do not retreat field with a second application during the same crop year as injury to the crop may result. Do not replant treated areas to any crop other than corn within one year after application as injury to subsequent crops may result. In the Prairie Provinces and Interior British Columbia corn must be planted the year following application. When extended periods of dry weather occur during the year of treatment, there can be some injury to succeeding crops. Please refer to the Atrazine 90 W and PRIMEXTRA* II MAGNUM* labels for recommendations and restrictions on rotational crops.

DIRECTED POSTEMERGENCE APPLICATION:

For field corn NOT treated preemergence with LOROX® DF Herbicide in combination with Atrazine 90W and DUAL* MAGNUM* or DUAL* II MAGNUM* or LOROX® DF Herbicide plus PRIMEXTRA* II MAGNUM* make a single application of LOROX® DF Herbicide as a directed spray after corn is at least 38 cm high (measured to the highest leaf surface on free standing plants). DO NOT SPRAY OVER TOP OF CORN. DO NOT APPLY LOROX® DF Herbicide AS A DIRECTED POSTEMERGENCE APPLICATION AFTER EMERGENCE OF SILKS AS POLLINATION MAY BE REDUCED. Treatment effectively controls nutsedge, crabgrass, and many other annual weeds, but is to be applied only when there is sufficient differential between height of corn and weeds. Direct spray to thoroughly cover all weed foliage without contact of upper leaves or whorl of corn by spray or drift, as such contact may cause crop injury. Early application of 2,4-D (follow label directions) and/or early cultivation (rotary hoe or other suitable equipment) will aid in achieving proper differential between height of corn and weeds.

Use 2.3-4.3 kg/ha LOROX® DF Herbicide plus an oil-water emulsion (follow oil label directions carefully). Apply at low pressures in 170-340 L/ha water of ground actually sprayed. Use the lower rates when weeds do not exceed 5 cm in height; use the higher rates for weeds up to 20 cm in height, preferably before weeds are 12 cm high. Control of weeds under drought stress or over 20 cm in height is usually impractical.

NOTE:

If a heavy rain follows immediately after application, this treatment may be ineffective. Do not apply within 60 days of harvest.

SPRING WHEAT, OATS, BARLEY**(Western Canada Only) LOROX® DF Herbicide Plus MCPA:**

Make a single postemergent broadcast application of LOROX® DF Herbicide in combination with MCPA as a tank mix. Apply at the 2 to 4 leaf stage of cereals. Initial temporary lightening of crop colour may be observed. Later spraying reduces crop tolerance and weed control. Early application is important to avoid crop injury, especially to barley. MCPA amine is registered for use on spring wheat, oats and barley. MCPA potassium salt is registered for use on spring wheat and barley only.

For MCPA tank mixture, slowly add the required amount of MCPA as the last ingredient to the spray tank. Continuous agitation in the spray tank is required. Avoid overlapping and shut off spray boom while starting, turning, slowing or stopping, or injury to the crop may result. Continuous agitation in the spray tank is required.

LOROX® DF HERBICIDE PLUS MCPA - RATES PER HECTARE		
Use 100 L water/ha at 200-275 kPa		
LOROX® DF Herbicide	MCPA amine (500 g/L)	MCPA potassium salt (400 g/L)
425-550 g	0.85-1.1 L	1.0-1.4 L

Use the lower rate when growing conditions and rainfall are above average.

This treatment is recommended for control of certain annual weeds in spring wheat, oats and barley. Barley may suffer some growth suppression, maturity delay and yield reduction, but these would be more than offset if the weed infestation is heavy.

Application at the 1 to 4-leaf stage will control top growth of Canada thistle and annual weeds such as:

Tartary buckwheat	wild buckwheat
cow cockle	corn spurry
flixweed	hemp-nettle
green smartweed	lady's-thumb
stinkweed	stork's-bill
redroot pigweed	lamb's-quarters
chickweed	shepherd's purse
ragweed	

When applied at the 1-3 leaf stage of green foxtail, suppression may be obtained.

NOTE:

Do not use when crops are under drought stress. Do not use when crop is underseeded to forage crops. Do not treat field with a second application of LOROX® DF Herbicide during the same crop year as injury to crop may result.

ASPARAGUS

Seedling Asparagus (Western Canada Only):

For control of broad-spectrum weeds in seedling asparagus, make one application of LOROX® DF Herbicide at 2.0 - 4.0 kg/ha plus Gramoxone* Liquid Herbicide (200 g/L) at 2.5 L/ha. This tank mix is to be applied preemergence of asparagus seedlings in the first season (dormant application) in Western Canada only.

PREEMERGENCE APPLICATION:

Make a single application of 3.3-4.3 kg/ha LOROX® DF Herbicide immediately after the first discing, before asparagus emerges. Use sufficient water (300 L/ha) to cover the ground evenly. Treatment may be repeated after the last cutting.

FRUIT TREES (Peach, Apple, Pear, Plum, Cherry)

Make a single application of 8.6 kg LOROX® DF Herbicide plus a surfactant in 400 - 600 L water/ha of ground actually sprayed. Apply as a directed spray under the trees before weeds are 10 cm high. Avoid contact of fruit, foliage and green bark with spray or drift as injury to the trees may result. Use only where trees have been established in the orchard for at least 10 years (1 year in the case of peach trees).

SWEET WHITE LUPINS

Apply LOROX® DF Herbicide at 2.0 - 3.0 kg/ha as a broadcast spray after planting (at least 5 cm deep) but before lupins emerge. Use the lower rate on light coloured soils with less than 2% organic matter. Do not spray after lupins have emerged. Refer to the "Directions For Selective Use In Crops" and "General Information" sections for more information on preemergence use, soil limitations and replanting. Do not harvest lupins within 80 days of treatment.

CHOCKECHERRIES (Fall Seeded Plantings)

For control of annual broadleaf weeds and annual grasses, apply 3.4 kg/ha of LOROX® DF Herbicide in 215 litres of water/ha. Apply in the fall, after the crop has been seeded.

SASKATOON BERRIES (Established Plantings)

For the control of annual broadleaf weeds and annual grasses in Saskatoon berry plantings established for at least one year, apply 4.0-6.0 kg/ha LOROX® DF Herbicide in 225-325 litres water/ha. Apply in the fall or early spring as a directed spray to uniformly cover the soil surface and emerged weeds without contacting the crop foliage. Use the lower rate on coarse textured soils with 2% or less organic matter. Do not apply within 50 days of harvest. Do not apply more than once per season.

SHELTER BELTS IN WESTERN CANADA

Caragana, Green Ash, Siberian Elm, American Elm, Boxelder, Poplar, Willow, White Spruce, Colorado Spruce and Scotch Pine – make a single application of 4.3 kg/ha LOROX® DF Herbicide. Apply only on stock planted for at least one year as a directed spray under the trees and bushes before weeds are 10 cm high and before buds open in the spring.

STORAGE AND DISPOSAL

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, food or feed. Not for use or storage in or around the home. Keep container closed.

DISPOSAL:

1. Completely empty bag into spray mixture tank.
2. Make the empty bag unsuitable for future use.
3. Dispose of the container in accordance with provincial requirements.
4. For information on 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 pest control product is to be used only in accordance with the directions on the 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. The user assumes the risk to persons or property that arises from any such use of this product.

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