

# LOROX DF HERBICIDE

PACKAGE SIZE  
2-10 POUND JUGS

DISPERSIBLE GRANULE

ACTIVE INGREDIENT: Linuron [3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea] \_\_\_\_\_ 50%

INERT INGREDIENTS: \_\_\_\_\_ 50%

EPA Reg. No. 352-394

Keep out of reach of children

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS

**CAUTION!** HARMFUL IF SWALLOWED. CAUSES EYE IRRITATION, MAY IRRITATE NOSE, THROAT, AND SKIN.

Avoid breathing dust or spray mist. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling.

In case of contact with eyes, immediately flush with plenty of water. Get medical attention if irritation persists.

### STATEMENT OF PRACTICAL TREATMENT

If in eyes: Flush with plenty of water. Get medical attention if irritation persists.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

For medical emergencies involving this product, call toll free 1-800-441-3637.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes.

**IMPORTANT**—When mixing, loading and spraying wear a wide brimmed hat, mid forearm to elbow length chemical resistant gloves, and one-piece overalls which have long sleeves and long pants. Overalls should be constructed of finely woven fabric as specified in the USDA/EPA Guide for Commercial Applicators.

Any article of clothing worn while applying product must be cleaned before reusing. Clothing which has been drenched or has otherwise absorbed concentrated pesticide must be disposed in a sanitary landfill, or incinerated, or if allowed by State and local authorities, by burning.

Instead of clothing and equipment specified above, the applicator can use an enclosed tractor cab which provides a filtered air supply (as described by Taschenberg and Bourke, 1975).

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

Do not apply (except as recommended), 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 home plantings of trees, shrubs or herbaceous plants, nor 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 and seeds.

Do not apply aerially.

Thoroughly clean all traces of "Lorox" DF 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).

AG 10000

13.7

10.1



### Directions For Use — See Attached Folder

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

"Lorox" DF Herbicide should be used only in accordance with recommendations on this label, or in separate published Du Pont recommendations available through local dealers. Do not use on any crop in Kern County, California, except carrots when a permit has been obtained from the Agricultural Commission.

Du Pont will not be responsible for losses or damages resulting from use of this product in any manner not specifically recommended by Du Pont. User assumes all risks associated with such nonrecommended use.

### GENERAL INFORMATION

Du Pont "Lorox" DF Herbicide is a dispersible granule to be mixed in water and applied as a spray for selective control of weeds in certain crops and for non-selective weed control on non-cropland areas. It is non-corrosive to equipment, non-flammable and non-volatile.

"Lorox" DF is an effective preemergence treatment of soybeans, asparagus, carrots, corn, parsnips, potatoes and sorghum for control of weeds listed below. "Lorox" DF is particularly effective in non-tillage soybean production. Treatment is made after planting but before emergence of soybeans. Weeds have usually emerged and the treatment controls susceptible weeds. Treatment also controls susceptible emerging weeds for an extended time.

"Lorox" DF may be sprayed postemergence over-the-top of emerged asparagus (before or after cutting and to small ferns, carrots (at least 3" tall) and celery (transplants) to effectively control susceptible emerged seedling weeds.

Directed postemergence applications of "Lorox" DF, where spray nozzles are adjusted so that weeds are sprayed but the crop is not, may be used in emerged asparagus (larger ferns), corn (field and sweet), cotton, sorghum and soybeans to effectively control susceptible emerged seedling weeds.

"Lorox" DF is recommended for use in conjunction with certain other herbicides for treatment of field corn, potatoes, sorghum, and soybeans; observe all cautions and limitations on labeling of all products used in mixtures.

Since the effect of "Lorox" DF varies with soils, crop varieties, uniformity of application, and environmental conditions, it is suggested that growers limit their first use to small areas.

#### NOTICE OF WARRANTY

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonable fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Du Pont. In no case shall Du Pont be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. DU PONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

#### SELECTIVE USE IN CROPS

	Preemergence Use	Postemergence Use
CARROTS	Michigan, Wisconsin	—
CORN (FIELD)	East of Rocky Mountains	—
CORN (FIELD and SWEET)	—	United States
COTTON	—	East of Rocky Mountains
PARSNIPS	United States	—
POTATOES	East of Rocky Mountains	—
SORGHUM	Southwest and Great Plains	United States
SOYBEANS	United States	United States
	Minimum or No Tillage—United States	

#### NON-CROP WEED CONTROL

- ROADSIDES
- FENCE ROWS

#### STORAGE AND DISPOSAL

**STORAGE:** Store product in original container only, away from other pesticides, fertilizer, food or feed.

**DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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Made in U.S.A.

Printed in U.S.A.

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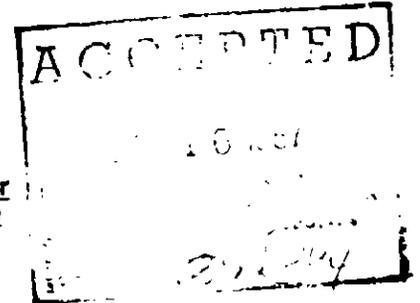
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Instead of clothing and equipment specified above, the applicator can use an enclosed tractor cab which provides a filtered air supply (as described by Taschenberg and Bourke, 1975).

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

Do not apply (except as recommended), 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 home plantings of trees, shrubs or herbaceous plants, nor 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 and seeds.

Do not apply aerially.

Thoroughly clean all traces of "Lorox" DF 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).

**BEST AVAILABLE COPY**

# LOROX DF HERBICIDE

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Du Pont "Lorox" DF Herbicide is a dispersible granule to be mixed in water and applied as a spray for selective control of weeds in certain crops and for non-selective weed control on non-cropland areas. It is non-corrosive to equipment, non-flammable and non-volatile.

"Lorox" DF is an effective preemergence treatment of soybeans, asparagus, carrots, corn, parsnips, potatoes and sorghum for control of weeds listed below. "Lorox" DF is particularly effective in non-tillage soybean production. Treatment is made after planting but before emergence of soybeans. Weeds have usually emerged and the treatment controls susceptible weeds. Treatment also controls susceptible emerging weeds for an extended time.

"Lorox" DF may be sprayed postemergence over the top of emerged asparagus (before or after cutting and to small ferns), carrots (at least 3" tall) and celery (transplants) to effectively control susceptible emerged seedling weeds.

Directed postemergence applications of "Lorox" DF, where spray nozzles are adjusted so that weeds are sprayed but the crop is not, may be used in emerged asparagus (larger ferns), corn (field and sweet), cotton, sorghum and soybeans to effectively control susceptible emerged seedling weeds.

"Lorox" DF may be applied to soil prior to emergence of weeds to control susceptible weed seedlings for an extended period of time; the degree of control and duration of effect will vary with:

**Organic Matter Content**--High organic matter requires higher dosages than low organic matter for equivalent herbicide performance. Best results accompany preemergence use of "Lorox" DF on soils of 1/2% to 3% organic matter. The combination of "Lorox" DF plus "Lexone" DF (or "Lexone" 4L) provides most effective preemergence weed control on soils from 1% to 4% organic matter content.

**Soil Texture**--High clay content requires higher dosage rates than those with less clay. Best results accompany preemergence use of "Lorox" DF on coarse to medium soils.

**Rainfall**--Moisture is required to activate the chemical following preemergence application to soil. Best results accompany rainfall (or irrigation) that occurs within 2 weeks of application. In the Colombia River Basin, use "Lorox" DF only if the crop is sprinkler irrigated.

**Weed Species And Conditions of Growth**--Species vary in susceptibility and may be more difficult to control when under stress.

"Lorox" DF is recommended for use in conjunction with certain other herbicides for treatment of field corn, potatoes, sorghum, and soybeans; observe all cautions and limitations on labeling of all products used in mixtures.

Since the effect of "Lorox" DF varies with soils, crop varieties, uniformity of application, and environmental conditions, it is suggested that growers limit their first use to small areas.

**EEMERGENCE USE** (Germinating Weeds): "Lorox" DF, at recommended rates, controls annual weeds such as:

### Broadleaves

Florida beggarweed  
Carpetweed  
Chickweed  
Common dayflower  
Florida purslane  
(Florida pusley)  
Galinsoga  
Lambsquarters

Mustards  
Nettleleaf goosefoot  
Pigweeds  
Purslane (common)  
Wild radish  
Ragweed (common)  
Smartweed (Pennsylvania)

### Grasses

Barnyardgrass  
(watergrass)  
Canarygrass  
Crabgrasses  
Foxtails  
(including giant)  
Goosegrass  
Fall panicum

### Partial Control

Cocklebur (common)  
Annual morningglory  
Prickly sida (teaweed)  
Sicklepod  
Velvetleaf (buttonweed)

"Lorox" DF will not control established perennials such as bermudagrass, Canada thistle, field bindweed, johnsongrass and purple nutsedge. The lower dosage rates are effective on coarser soils and the higher rates on finer soils and on the more resistant seedling weeds. Sufficient moisture (1/2" to 1" on moist soils; 1" to 2" on dry soils) in the form of rainfall or sprinkler irrigation is necessary after treatment to carry the chemical into the root zone of germinating weeds; best results are obtained when this occurs within two weeks after application. If heavy rainfall occurs soon after application, injury to crop may result.

"Lorox" DF applied preemergence, before emergence of soybeans, asparagus, carrots, corn (field), parsnips, potatoes, and sorghum, and weeds, is an effective procedure because susceptible weeds are controlled in an early, vulnerable seedling stage before they compete with the crop. With favorable moisture conditions, "Lorox" DF continues to control weeds for some time as the crop becomes better able to compete. Should weed seedlings begin to break through the preemergence treatment in significant numbers, secondary weed control procedures should be implemented; these include cultivation and postemergence herbicide application.

A good seed bed must be prepared before application of "Lorox" DF as crop injury may result if application is made to ground which is cloddy or compacted resulting in improperly planted seed. Plant seed to depth specified. Surface of the soil should not be cultivated or disturbed after application of "Lorox" DF and before emergence of the crop as weed control may be reduced and crop injury may result. However, if moisture is insufficient to activate the herbicide, a shallow cultivation (rotary hoe preferred) should be made after emergence of row crops while weeds are small enough to be controlled by mechanical means. Deep cultivation reduces the effectiveness of "Lorox" DF.

**Note:** Consult "Amiben"<sup>1</sup>, atrazine, "Bronco"<sup>3</sup>, "Dual"<sup>2</sup> SE, "Lasso"<sup>3</sup>, paraquat<sup>4</sup>, propazine, "Prowl"<sup>5</sup>, "Ramrod"<sup>3</sup>, "Roundup"<sup>3</sup>, "Surflan", "Toban"<sup>7</sup>, and "Treflan"<sup>6</sup> labels for additional weeds. Controlled when "Lorox" D used in conjunction with these herbicides

**POSTEMERGENCE USE** (Emerging Seeding Weeds): "Lorox" DF, at recommended rates, controls weeds such as:

Broadleaves		Grasses
Annual morningglory	Lambsquarters	Annual ryegrass
Carpetweed	Mustards	Barnyardgrass
Cocklebur (common)	Nettleleaf goosefoot	(watergrass)
Common dayflower	Pigweeds	Broadleaf
Common ragweed	Prickly sida	signalgrass
Dog fennel	(leaweed)	Canarygrass
Fiddleneck	Purslane (common)	Crabgrasses
(amsinckia)	Sesbania	Fall panicum
Florida beggarweed	Sicklepod	Foxtails
Florida purslane	Smartweed (Pennsylvania)	(including giant)
(Florida pusley)	Velvetleaf	Goosegrass
Groundsel	(buttonweed)	Rattail fescue
Knawel	Wild buckwheat	Texas panicum

Results of postemergence treatment of emerging weeds vary with rate applied and environmental conditions; best results are obtained on succulent weeds growing under conditions of high humidity and temperatures of 70°F or higher. Addition of a surfactant such as Du Pont Surfactant WK to the spray (where recommended) increases contact effects of "Lorox" DF. Application will also provide control of emerging susceptible weed seedlings for an extended period of time.

**Note:** Consult bromoxynil, "Butoxone"<sup>7</sup>, and "Butyrac"<sup>1</sup> 200 labels for additional weeds controlled when "Lorox" DF is used in conjunction with these herbicides. Best results are obtained under conditions of high humidity and temperatures over 70°F. Control of emerged weeds under drought stress is usually impractical.

**DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling. "Lorox" DF Herbicide should be used only in accordance with recommendations on this label, or in separate published Du Pont recommendations available through local dealers. Do not use on any crop in Kern County, California, except carrots when a permit has been obtained from the Agricultural Commission.

Du Pont will not be responsible for losses or damages resulting from use of this product in any manner not specifically recommended by Du Pont. User assumes all risk associated with such non-recommended use.

Fill tank 1/4 full with water. Start agitation system, add "Lorox" DF, and continue adding water. 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.

**Fertilizer Spray Mixtures**—For preemergence application, nonpressure nitrogen or fertilizer solution may be used in the spray mixture unless otherwise directed. Small quantities should be tested for compatibility by the following procedure before full scale mixing:

- Put 1 pint of fertilizer solution in a quart jar
- Mix 2 teaspoons "Lorox" DF with 2 tablespoons of water; mix thoroughly and add to fertilizer solution.
- Close jar and shake well.
- If other herbicides are to be used in the mixture, premix 2 teaspoons of wettable powders or 1 teaspoon of liquids with 2 tablespoons of water; add to "Lorox" DF/fertilizer mixture.
- Close jar and shake well.
- Watch mixture for several seconds, check again in 30 minutes.
- If mixture does not separate, foam, gel, or become lumpy, it may be used.
- Mixing ability may be improved by adding compatibility agents such as Kalo Laboratories "Complex" or Witco Chemicals "Sponto" 168D. Follow directions on container.

If the mixture is compatible, prepare spray by adding the fertilizer solution to the spray tank first; then dilute "Lorox" DF with 2 parts of water, thoroughly mix, and add slowly to spray tank with agitator running. For tank mixtures with other herbicides, follow directions above.

**EQUIPMENT--SPRAY VOLUMES AND PRESSURES:** Application is limited to a ground boom sprayer properly calibrated to a constant speed and rate of delivery. Openings in screens should be equal to or larger than 50 mesh. Continuous agitation in the spray tank is required to keep the material in suspension. Agitate by mechanical or hydraulic means; if bypass or return line is used, it should terminate at bottom of tank to minimize foaming. Avoid overlapping and shut off spray booms while starting, turning, slowing or stopping, or injury to the crop may result.

For preemergence application, use 20 to 60 gals. per acre and spray pressure of 30 to 40 psi.

For postemergence application, use sufficient volume (min. 20 gals per acre) for thorough coverage of weed foliage; use spray pressure of 20 to 25 psi to keep spray drift to a minimum.

**USE RATES:** All rates of "Lorox" DF (and tank mixtures) are expressed as broadcast rates; for band treatment, use proportionately less. For example, use 1/3 of the broadcast rate when treating a 14" band where row spacing is 42". Where a range of dosages is given, use the lower rate on coarser soils (low in clay or organic matter) and the higher rate on finer soils (high in clay or organic matter); for postemergence application, use the lower rate on smaller weeds and the higher rate on larger weeds.

**SOIL LIMITATIONS:** Unless otherwise directed, do not use on sand, loamy sand, gravelly soils or exposed subsoils nor on soils containing less than 1% organic matter as injury to the treated or subsequent crops may result.

**REPLANTING:** If initial seeding fails to produce a stand, the same crop may be replanted in soil treated with "Lorox" DF (or with recommended tank mixtures). Thoroughly rework soil before replanting, do not retreat field with a second application as injury to the crop may result. Unless otherwise directed, do not replant ~~any other crop within 4 months after last application as injury to subsequent crops may result~~ after 4 months treated areas may be replanted to asparagus, barley, carrots, celery, corn, cotton, oats, parsnips, potatoes, rye, sorghum, soybeans and wheat.

West of the Rocky Mountains, - carrots or celery may be planted 4 months after last application. ~~Do not plant any other crop until 1 year after the last application. Do not plant crops used for food or feed which are not registered for use with "Lorox" DF on areas previously treated with this chemical~~ and, after 1 year, treated area may be planted to asparagus, barley, corn, cotton, oats, parsnips, potatoes, rye, sorghum, soybeans and wheat may be planted. If shorter intervals are used, crop injury may occur. Do not rotate to any other crops used for food or feed.

## CROP USES

### ASPARAGUS

**CALIFORNIA (Includes control of dudain melon and nightshade).**

**Direct Seeded or Newly Planted Crowns** - Do not exceed 4 lbs. total per acre per season; do not use surfactant or fertilizer solution in spray mixture.

**Preemergence Application:**\* Make a single application of 2 to 4 lbs. per acre after planting seed 1 1/2" deep in coarse soil and 1" deep in fine soils. During planting operation, spray activated charcoal ("Aqua Nu-Char" or "Gro-Safe") as a 1" band on soil surface directly over seed rows at the rate of 300 lbs. per acre (equivalent to 1<sup>1</sup>/<sub>2</sub> lbs. per acre of crop with 20" row spacing)

**Postemergence Application:** Make 1 or 2 applications of 1 to 2 lbs. per acre when ferns are in 6" to 18" stage and weeds are not over 4" tall.

**Established Beds:** Do not apply within 1 day of harvest, do not exceed 8 lbs. total per acre per season; do not use surfactant or fertilizer solution in spray mixture. Do not reenter treated areas for 24 hours following application unless protective clothing is worn.

**Preemergence Application:**\* Make a single application of 2 to 4 . per acre.

**Postemergence Application:** Make 1 to 4 applications of 1 to 2 lbs. per acre before weeds exceed 4" in height. Apply before cutting season or immediately after cutting. Do not reenter treated areas for 24 hours following application unless protective clothing is worn.

**Directed Postemergence Application (Fern Stage):** Make a single application of 4 to 8 lbs. per acre as a directed spray to base of plants for control of dudain melon

**Note:** If more than 4 lbs. "Lorox" DF per acre is applied per season, do not plant any other crop until 1 year after last application. See "Replanting". Do not enter areas treated postemergence for 24 hours following application unless protective clothing is worn.

\* Preemergence weed control will be reduced in soils with high organic matter (greater than 5% and peat or muck.)

### CARROTS

**Preemergence Application--Florida, Michigan and Wisconsin:** Make a single application of 1 to 2 lbs. per acre in Florida and 1 to 3 lbs. per acre in Michigan and Wisconsin. Apply after planting but before carrots emerge; plant seed at least 1/2" deep. Use the lower rate on lighter soils (low in clay or organic matter) and the higher rate on heavier soils (high in clay or organic matter). Subsequent postemergence application may be made provided the total does not exceed 4 lbs. "Lorox" DF per acre per season

**Postemergence Application--U.S.:** Apply 1 1/2 to 3 lbs. per acre as a non-directed spray after carrots are at least 3" tall. Apply before annual grasses exceed 2" in height and before broadleaf weeds exceed 6" in height. Repeat application may be made but do not exceed 4 lbs. "Lorox" DF per acre (West of Rocky Mountains, do not exceed 3 lbs. "Lorox" DF per acre). Do not exceed 40 psi spray nozzle pressure as crop injury may result.

"Lorox" DF may be applied following an application of Stoddard solvent provided treatments are at least one day apart. Stoddard solvent may be applied following application of "Lorox" DF provided treatments are at least 2 weeks apart. Shorter time intervals between applications may result in injury to the crop. Do not apply "Lorox" DF as a tank mixture with Stoddard solvent, surfactants, nitrogen or fertilizer solution, other pesticides, nor when temperature exceeds 85°F as crop injury may result.

**Note:** Because carrot varieties vary in their resistance, determine tolerance to "Lorox" DF prior to adoption as a field practice to prevent possible crop injury; do not treat susceptible varieties which show an initial burning of foliage following postemergence treatment with "Lorox" DF. Do not reenter treated areas treated postemergence for 24 hours following application unless protective clothing is worn. See "Replanting".

## CELERY

**East of Rocky Mountains--Post-transplant Application:** Make a single application of 1 1/2 to 3 lbs per acre. Apply as a non-directed spray after celery is transplanted and established, but before celery is 8" tall. Apply before annual grasses exceed 2" in height and before broadleaf weeds exceed 6" in height. In the Northeast, use only on celery grown on muck soils.

Do not exceed 40 psi spray nozzle pressure, and do not apply when temperature exceeds 85°F. nor as a tank mixture with fertilizers, nitrogen or fertilizer solution, or other pesticides as injury to the crop may result. Do not replant to crops other than celery or carrots within 4 months after application as injury to subsequent crops may result. See "Replanting". Do not reenter treated areas for 24 hours following application unless protective clothing is worn.

## CORN (FIELD)

**Preemergence Application--East of Rocky Mountains:** Select one of the following herbicide treatments for application as a tank mixture. Make a single application after planting but before crop emerges. Plant seed at least 1 3/4" deep on flat or raised seedbeds only or injury to the crop may result. Do not spray over top of emerged corn.

### "Lorox" DF + "Lasso"

Soil Texture	1 to 3% Organic Matter		3 to 6% Organic Matter	
	"Lorox" DF (Lbs.)	+ "Lasso" (Quarts)	"Lorox" DF (Lbs.)	+ "Lasso" (Quarts)
<b>Coarse</b>				
Sandy loam	2/3 to 1 1/4	+ 3/4 to 1	1 1/4 to 2	+ 1 to 1 1/2
<b>Medium</b>				
Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 1 2/3	+ 1 to 1 1/2	1 2/3 to 2 1/2	+ 1 1/2 to 2
<b>Fine</b>				
Silty clay, Silty clay loam, clay, Clay loam	1 1/4 to 2	+ 1 1/2 to 2	2 to 3	+ 2 to 2 1/2

**Replanting:** Corn or soybeans may be replanted within 4 months; after 4 months ~~see "Replanting"~~ see "Replanting".

\* Alachlor is a restricted use pesticide.

**"Lorox" DF + "Ramrod"**

Soil Texture	1 to 3% Organic Matter		Product Per Acre		3 to 6% Organic Matter	
	"Lorox" DF (Lbs.)	+	"Ramrod" (4 Lbs./Gal.)	"Lorox" DF (Lbs.)	+	"Ramrod" (4 Lbs./Gal.)
<b>Coarse</b> Sandy loam	2/3 to 1 1/3	+	1 1/3 to 2 3/5	1 1/3 to 2	+	2 3/5 to 3 9/10
<b>Medium</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 1 2/3	+	2 to 3 1/3	1 2/3 to 2 1/2	+	3 1/3 to 5 1/5
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 2	+	2 3/5 to 3 9/10	2 to 3	+	3 9/10 to 6 1/5

**Replanting:** Corn may be replanted within 4 months; after 4 months, ~~any crop may be replanted.~~ see "Replanting".

**"Lorox" DF + atrazine (Tank Mixture)**

5 Improved control of annual grasses, add "Lasso" as recommended on "Lasso" labeling for "Lasso"/atrazine combinations.

Soil Texture	1 to 2% Organic Matter		Product Per Acre		2 to 5% Organic Matter	
	"Lorox" DF (Lbs.)	+	atrazine 80% (Lbs.)	"Lorox" DF (Lbs.)	+	atrazine 80% (Lbs.)
<b>Coarse</b> Sandy loam	2/3 to 1	+	1/2 to 2/3	1 to 2	+	2/3 to 1 1/4
<b>Medium</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 1 1/2	+	2/3 to 1	1 1/2 to 2 1/2	+	1 to 1 1/2
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/3 to 1 2/3	+	3/4 to 1	1 2/3 to 3	+	1 to 2

~~Atrazine is a restricted use pesticide.~~

**Replanting:** Corn may be replanted within 6 months; after 6 months, ~~any crop may be replanted.~~ see "Replanting".

**CORN (FIELD AND SWEET)**

**Directed Postemergence Application:** Make a single application as a directed spray after corn is at least 15" high (measured to the highest leaf surface on free standing plants). Do not spray over top of corn. Apply only when there is sufficient differential between height of corn and weeds so that the directed spray thoroughly covers all weed foliage without contact of upper leaves or whorl of corn by spray or drift, as such contact may cause crop injury. Early cultivation (rotary hoe or other suitable equipment) will aid in achieving proper differential between height of corn and weeds.

Use 1 1/4 to 3 lbs. per acre; add 1 pint Surfactant WK for each 25 gals. spray mixture. For field corn, non-pressure nitrogen solution may be substituted for all or part of the water. Use the lower rate on lighter soils (low in clay or organic matter) and when weeds do not exceed 2" in height; use the higher rate on heavier soils (high in clay or organic matter) for weeds up to 5" in height. Do not reenter treated areas for 24 hours following application unless protective clothing is worn. See "Replanting".

## COTTON

**Directed Postemergence Application--East of Rocky Mountains:** Apply as a directed spray, adjust nozzles to minimize contact to cotton leaves with spray or drift or crop injury may result. Do not spray over top of cotton.

Apply 1 to 1 1/2 lbs per acre when cotton is at least 8" tall and emerged weeds do not exceed 2" in height; add 1 pint Surfactant WK for each 25 gals. spray mixture. If needed, a second application at same rate may be made one week or later after initial treatment. Alternatively, after cotton is 20" tall, make a single application of 2 to 3 lbs. per acre following last cultivation, if emerged weeds are present, add Surfactant WK as directed above. Note Do not use on Pima varieties of cotton. Do not graze treated fields or feed forage from treated areas to livestock. Do not feed gin trash to livestock. Do not reenter treated areas for 24 hours following application unless protective clothing is worn. See "Replanting".

## PARSNIPS

**Preemergence Application:** Make a single application of 1 1/2 to 3 lbs. per acre. Apply after planting but before crop emerges. Plant seed at least 1/2" deep. See "Replanting".

## POTATOES

**Preemergence Application:** Make a single application as a broadcast spray after planting but before crop emerges. Plant seed at least 2" deep. Do not spray over top of emerged potatoes. If beds are to be "dragged" and/or "hilled", apply at the final "dragging" or "hilling" operation. Apply before grasses are 2" tall and before broadleaf weeds are 6" tall, preferably just before or when weed seedlings emerge. If emerged weeds are present, add 1 pint Surfactant WK for each 25 gals. spray mixture. In irrigated areas, best results are obtained when application is made to moist soil, followed within 2 weeks by 1" to 2" of sprinkler irrigation (or rainfall). On powder dry soils, irrigate prior to herbicide application and follow with sprinkler irrigation to activate the herbicide.

**East of Rocky Mountains:** Apply 1 1/2 to 2 1/2 lbs per acre on the coarser soils (sandy loams, silt loams, 1 to 2% organic matter) and 2 1/2 to 4 lbs. per acre on finer soils (silts, clay loams, 2 to 5% organic matter); on soils over 5% organic matter, use 4 lbs per acre and apply to emerged weeds (before potatoes emerge).

**Wisconsin--Central Sands Area:** Apply 1 lb per acre on sands and 2 lbs per acre on loamy sands.

**Northeast:** For improved control of annual grasses (see "Dual" labeling), apply:

Soil Texture	1 to 3% Organic Matter		Product Per Acre			
	"Lorox" DF (Lbs)	+	"Dual" 8E (Pints)	3 to 5% Organic Matter		
				"Lorox" DF (Lbs)	+	"Dual" 8E (Pints)
Coarse Sandy loam	1 to 1 1/2	+	1 1/2	1 1/2 to 2	+	2
Medium Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 1/2 to 2	+	2	2 to 2 1/2	+	2 1/2 to 3

See "Replanting".

# SORGHUM

**Preemergence Application:** Select one of the following herbicide treatments for application as a tank mixture. Make a single application after planting but before crop emerges. Plant seed at least 1" deep on flat or raised seedbeds only or injury to the crop may result. Do not spray over top of emerged sorghum.

## "Lorox" DF + propazine--Southwest

Soil Texture	1 to 2% Organic Matter		Product Per Acre		2 to 4% Organic Matter	
	"Lorox" DF (Lbs.)	+	propazine (Lbs.)	"Lorox" DF (Lbs.)	+	propazine (Lbs.)
Coarse Sandy loam	5/8 to 1	+	3/8 to 5/8	1 to 1 1/2	+	5/8 to 1
Medium Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 1 1/2	+	5/8 to 1	1 to 2	+	5/8 to 1 1/4

**Replanting:** Do not follow treated sorghum with any fall crop, nor with ~~wheat~~ beets, tobacco, vegetables or potatoes in rotation. See "Replanting". Prior to replanting, thorough seedbed preparation including fall or spring plowing is recommended.

## "Lorox" DF + "Ramrod"—Great Plains

Soil Texture	1 to 3% Organic Matter		Product Per Acre		3 to 6% Organic Matter	
	"Lorox" DF (Lbs.)	+	"Ramrod" (4 Lbs./Gal.)	"Lorox" DF (Lbs.)	+	"Ramrod" (4 Lbs./Gal.)
<b>Coarse</b> Sandy loam	2/3 to 1 1/3	+	1 1/3 to 2 3/5	1 1/3 to 2	+	2 3/5 to 3 9/10
<b>Medium</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 1 2/3	+	2 to 3 1/3	1 2/3 to 2 1/2	+	3 1/3 to 5 1/5
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 2	+	2 3/5 to 3 9/10	2 to 3	+	3 9/10 to 6 1/5

**Note:** Do not graze or feed sorghum forage or silage from treated fields to dairy animals. Replanting Sorghum or field corn may be replanted within 4 months, after 4 months. any crop may be planted see "Replanting".

**Directed Postemergence Application:** Make a single application of "Lorox" DF as a directed spray; add 1 pint Surfactant WK for each 25 gals spray mixture. If sprayer is equipped with skids, shoes or shields, apply 1 lb. per acre if sorghum is 12" tall (free standing plants) and weeds are up to 2" in height. Use 1 to 2 lbs per acre when sorghum is 18" tall and weeds are 2" to 4" in height. If boom drops are used, apply 1 to 2 lbs. per acre when sorghum is at least 18" tall and weeds are 2" to 4" in height. Apply only when there is sufficient differential between height of sorghum and weeds so that the directed spray thoroughly covers all weed foliage without contact of upper leaves or whorl of sorghum by spray or drift as such contact may cause crop injury.

**Note:** Do not graze or feed plants to livestock within 3 months after postemergence application. See "Replanting". Do not reenter treated areas for 24 hours following application unless protective clothing is worn.

## SOYBEANS

**Preemergence Application:** For broad spectrum weed control, select one of the following herbicide combination treatments and make a single application after planting but before crop emerges. Plant seed at least 1 3/4" deep on flat or raised seedbeds only or injury to the crop may result. Injury to soybeans may result if application is made to fields with standing water or fields too wet to cultivate. Do not spray over top of emerged soybeans. Do not use on sand or loamy sand nor any soil containing less organic matter than listed below.

### "Lorox" DF + "Lexone" DF™ + "Lasso"\*

For control of common ragweed, hemp sesbania, jimsonweed, lambsquarters, pigweeds, prickly sida, sicklepod, velvetleaf, spotted spurge, Venice mallow, purslane, carpetweed, Pennsylvania smartweed, barnyardgrass, broadleaf signalgrass, fall panicum, foxtails, and goosegrass. The combination also offers partial control of cocklebur.

Soil Texture	1/2 to 3% Organic Matter			Product Per Acre			3 to 6% Organic Matter			
	"Lorox" DF (Lbs.)	+	"Lexone" DF (Lbs.)	+	"Lasso" (Quarts)	"Lorox" DF (Lbs.)	+	"Lexone" DF (Lbs.)	+	"Lasso" (Quarts)
<b>Coarse</b> Sandy loam	1/3 to 1/2	+	1/6 to 1/4 or ("Lexone" 4L-1/4 to 2/5 pt.)	+	3/4 to 1	1/2 to 3/4	+	1/4 to 1/3 or ("Lexone" 4L-2/5 to 1/2 pt.)	+	1 to 1 1/2
<b>Medium</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1/2 to 3/4	+	1/4 to 1/3 or ("Lexone" 4L-2/5 to 1/2 pt.)	+	1 to 1 1/2	3/4 to 1 1/2	+	1/3 to 1/2 or ("Lexone" 4L-1/2 to 3/4 pt.)	+	1 1/2 to 2
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	3/4 to 1 1/2	+	1/3 to 1/2 or ("Lexone" 4L-1/2 to 3/4 pt.)	+	1 1/4 to 2	1 1/2 to 2	+	1/2 to 2/3 or ("Lexone" 4L-3/4 to 1 pt.)	+	2 to 3

\*Alachlor is a restricted use pesticide.

**Note:** Soybean varieties such as Altona, Coker 102 and 156, Govan, NKS 1884, Semmes, Tracy, Vansoy, Terra Vig 505 and 606, Agripro 55, Asgrow 6520, Maple Amber, Portage, Vinton 81, and AP 71 are sensitive to "Lexone". Injury may occur if "Lexone" is used on these varieties. Before use on any other soybean variety, tolerance to "Lexone" must first be determined. Varieties showing above average tolerance to "Lexone" are Americana Revere, Asgrow 1937, Asgrow 3659, Asgrow 3860, DSR 171, DSR 207, Essex, Fayette, Hisoy 170, Lakota, Lawrence, LOL 4207, NKS 1492, Pride B216, Pride B242, SRF 250, SRF 350 P, Union, Wayne, Wells II and Williams 82; for maximum weed control, use the higher rate (where a range of rates is listed) for the appropriate soil type and organic matter as shown in the following tables. Injury to soybeans may occur if "Lexone" is used on soils having a calcareous surface layer or pH of 7.5 or higher, or if used in conjunction with soil applied organic phosphate pesticides such as "Dasanit", "Disyston", "Mocap", "Nemacur", "Thimet", "Parathion", "Lorsban" 15G or Counter. Injury may occur if atrazine was applied on the soil the year before use of "Lexone", Seedling disease, cold weather, deep planting (more than 2"), excessive moisture, high soil pH (pH 7.5 or higher), high salt concentration, or drought may weaken soybean seedlings and increase possibility of crop injury.

Do not use on sand nor loamy sand.

**Cultivation after planting:** Treated soil may be shallow-cultivated, rotary-hoed, or hand-hoed without reducing the weed control activity of the tank mixture. Do not cultivate deeper than the treated layer of soil since this may bring untreated soil to the surface and poor weed control may result. See "Replanting".

**Replanting:** If initial seeding fails to produce a stand, treated fields may be replanted to soybeans; 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 four months after treatment as injury to subsequent crops may result. See "Replanting".

**"Lorox" DF + "Lasso"**

Soil Texture	Product Per Acre			
	1/2 to 3% Organic Matter "Lorox" DF (Lbs.)	"Lasso" (Quarts)	3 to 6% Organic Matter "Lorox" DF (Lbs.)	"Lasso" (Quarts)
<b>Coarse</b> Sandy loam	2/3 to 1 1/4	3/4 to 1	1 1/4 to 2	1 to 1 1/2
<b>Medium</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 1 2/3	1 to 1 1/2	1 2/3 to 2 1/2	1 1/2 to 2
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 2	1 1/2 to 2	2 to 3	2 to 2 1/2

\*Alachlor is a restricted use pesticide.

**Control of black nightshade, apply:**

Soil Texture	Product Per Acre	
	1 to 3% Organic Matter "Lorox" DF (Lbs.)	"Lasso" (Quarts)
<b>Coarse</b> Sandy loam	3/4 to 1 1/2	2
<b>Medium</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 1 2/3	2 1/2 to 3
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 2	3

**Replanting:** Soybeans or field corn may be replanted within 4 months; after 4 months, see "Replanting".

**"Lorox" DF + "Lexone" DF + "Dual" 8E**

For control of velvetleaf, spotted spurge, Venice mallow, purslane, carpetweed, common ragweed, hemp sesbania, jimsonweed, lambsquarters, pigweeds, prickly sida and sicklepod. The combination also offers partial control of cocklebur.

Soil Texture	Product Per Acre			Product Per Acre		
	1/2 to 3% Organic Matter			3 to 6% Organic Matter		
	"Lorox" DF (Lbs.)	+ "Lexone" DF (Lbs.)	+ "Dual" 8E (Pints)	"Lorox" DF (Lbs.)	+ "Lexone" DF (Lbs.)	+ "Dual" 8E (Pints)
Coarse Sandy loam	1/3 to 1/2	+ 1/6 to 1/4 or ("Lexone" 4L-1/4 to 2/5 pt.)	+ 1 to 1 1/4	1/2 to 3/4	+ 1/4 to 1/3 or ("Lexone" 4L-2/5 to 1/2 pt.)	+ 1 1/4 to 1 1/2
Medium Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1/2 to 3/4	+ 1/4 to 1/3 or ("Lexone" 4L-2/5 to 1/2 pt.)	+ 1 1/4 to 1 1/2	3/4 to 1 1/2	+ 1/3 to 1/2 or ("Lexone" 4L-1/2 to 3/4 pt.)	+ 1 1/2 to 2
Fine Silty clay, Silty clay, loam, Clay, Clay loam	3/4 to 1 1/2	+ 1/3 to 1/2 or ("Lexone" 4L-1/2 to 3/4 pt.)	+ 1 1/2 to 2	1 1/2 to 2	+ 1/2 to 2/3 or ("Lexone" 4L-3/4 to 1 pt.)	+ 2 to 2 1/2

**Note:** Soybean varieties such as Altona, Coker 102 and 156, Govan, NKS 1884, Semmes, Tracy, Vansoy, Terra Vig 505 and 606, Agripro 55, Asgrow 6520, Maple Amber, Portage, Vinton 81, and AP 71 are sensitive to "Lexone". Injury may occur if "Lexone" is used on these varieties. Before use on any other soybean variety, tolerance to "Lexone" must first be determined. Varieties showing above average tolerance to "Lexone" are Americana Revere, Asgrow 1937, Asgrow 3659, Asgrow 3860, DSR 171, DSR 207, Essex, Fayette, Hisoy 170, Lakota, Lawrence, LOL 4207, NKS 1492, Pride B216, Pride B242, SRF 250, SRF 350 P, Union, Wayne, Wells II and Williams 82; for maximum weed control, use the higher rate (where a range of rates is listed) for the appropriate soil type and organic matter as shown in the following tables. Injury to soybeans may occur if "Lexone" is used on soils having a calcareous surface layer or pH of 7.5 or higher, or if used in conjunction with soil applied organic phosphate pesticides such as "Dasanit", "Disyston", "Mocap", "Nemacur", "Thimet", "Parathion", "Lorsban" 15G or Counter. Injury may occur if atrazine was applied on the soil the year before use of "Lexone". Seedling disease, cold weather, deep planting (more than 2"), excessive moisture, high soil pH (pH 7.5 or higher), high salt concentration, or drought may weaken soybean seedlings and increase possibility of crop injury.

Do not use on sand, loamy sand, nor on sandy loam with less than 1% organic matter.

**Cultivation after planting:** Treated soil may be shallow-cultivated, rotary-hoed, or hand-hoed without reducing the weed control activity of the tank mixture. Do not cultivate deeper than the treated layer of soil since this may bring untreated soil to the surface and poor weed control may result.

**Replanting:** If initial seeding fails to produce a stand, treated fields may be replanted to soybeans; do not rework. 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 four months after treatment as injury to subsequent crops may result. See "Replanting".

**"Lorox" DF + "Dual" 8E**

Soil Texture	Product Per Acre		Product Per Acre	
	1/2 to 3% Organic Matter		3 to 6% Organic Matter	
	"Lorox" DF (Lbs.)	+ "Dual" 8E (Pints)	"Lorox" DF (Lbs.)	+ "Dual" 8E (Pints)
Coarse Sandy loam	2/3 to 1 1/4	+ 1 1/4	1 1/4 to 2	+ 1 1/2
Medium Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 1 2/3	+ 1 1/2	1 2/3 to 2 1/2	+ 2
Fine Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 1 1/2	+ 2	2 to 3	+ 2 to 2 1/2

**Note:** Do not graze or feed forage from treated areas to livestock. Replanting: Soybeans or field corn may be replanted within 4 months; for rotation crops, see "Replanting" and instructions on "Dual" 8E label.

**For control of black nightshade in Kentucky, Illinois, Indiana and Ohio:**

Soil Texture	Product Per Acre	
	(1 to 3% Organic Matter) "Lorox" DF (Lbs.)	"Dual" 8E (Pints)
<b>Coarse</b> Sandy loam	3/4 to 1 1/2	1 1/2
<b>Medium</b> Loam, Silt loam, Silt. Sandy clay, Sandy clay loam	1 to 1 2/3	2
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 2	2 to 2 1/2

Do not use on sand or loamy sands.

**Replanting:** Soybeans or field corn may be replanted within 4 months; after 4 months, see "Replanting" may be planted the following year.

**"Lorox" DF + "Surflan" 75W or "Surflan" AS**

Soil Texture	Product Per Acre			
	1/2 to 3% Organic Matter "Lorox" DF (Lbs.)	+	"Surflan" 75W (Lbs.)	or "Surflan" AS (Quarts)
<b>Coarse</b> Sandy loam	2/3 to 1 1/4	+	2/3 to 1	or 1/2 to 3/4
<b>Medium</b> Loam, Silt loam, Silt. Sandy clay, Sandy clay loam	1 to 1 2/3	+	1 to 1 1/3	or 3/4 to 1
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 2	+	1 1/3 to 1 2/3	or 1 to 1 1/4

**Note:** Do not use treated vines for feed or forage. Replanting: Soybeans may be replanted within 4 months; after 4 months, see "Replanting" and do not plant potatoes within 12 months.

**"Lorox" DF + "Prowl"**

Soil Texture	Product Per Acre					
	1 to 3% Organic Matter "Lorox" DF (Lbs.)	+	"Prowl" (Pints)	3 to 6% Organic Matter "Lorox" DF (Lbs.)	+	"Prowl" (Pints)
<b>Coarse</b> Sandy loam	2/3 to 1 1/4	+	1 to 1 1/2	1 1/4 to 2	+	1 1/2
<b>Medium</b> Loam, Silt loam, Silt. Sandy clay, Sandy clay loam	1 to 1 2/3	+	1 1/2 to 2	1 2/3 to 2 1/2	+	1 1/2 to 2
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 2	+	1 1/2 to 2	2 to 3	+	2 to 2 1/2

**Replanting:** Soybeans or field corn may be replanted within 4 months; after 4 months, see "Replanting" the following year.

# LOROX DF HERBICIDE

## "Lorox" DF + "Amiben"

Soil Texture	Product Per Acre			
	1/2 to 3% Organic Matter "Lorox" DF (Lbs.)		3 to 6% Organic Matter "Lorox" DF (Lbs.)	
	+	"Amiben" (Quarts)	+	"Amiben" (Quarts)
<b>Coarse</b> Sandy loam	2/3 to 1 1/4	3		1 1/4 to 2
<b>Medium</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 1 2/3	3		1 2/3 to 2 1/2
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 2	4		2 to 3

**Replanting:** Soybeans or field corn may be replanted within 4 months; after 4 months, ~~any crop may be replanted~~ see "Replanting".

## SOYBEANS

**Preemergence Following "Treflan" or "Prowl" Preplant:** Where "Treflan" or "Prowl" has been used as a preplant incorporated treatment (according to directions on product label), apply "Lorox" DF preemergence (after planting and before emergence of soybeans) as a separate operation using rates recommended below for "Lorox" DF alone. For rotation crops, follow instructions on "Treflan" or "Prowl" labels and see "Replanting". Plant seed at least 1 3/4" deep on flat or raised seedbeds only or injury to the crop may result. Injury to soybeans may result if application is made to fields with standing water or fields too wet to cultivate. Do not spray over top of emerged soybeans. Do not use on sand or loamy sand nor any soil containing less organic matter than listed below.

**"Lorox" DF Alone:** If weeds have emerged, add 1 pint Surfactant WK for each 25 gals. spray mixture.

Soil Texture	Pounds "Lorox" DF Per Acre	
	1/2 to 2% Organic Matter	2 to 5% Organic Matter
<b>Coarse</b> Sandy loam	1 to 1 2/3	1 2/3 to 3
<b>Medium</b> (Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 1/4 to 2 1/3	2 1/3 to 4
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/3 to 2 2/3	2 2/3 to 5 (over 5% organic matter, use 6 lbs.)

**Replanting:** Soybeans or field corn may be replanted within 4 months, after 4 months, ~~any crop may be replanted~~ see "Replanting".

## SOYBEANS

**Preemergence Followed by Postemergence (Directed) Application:** Both preemergence and postemergence (directed to weeds with minimum contact with soybean plants) treatment may be required for control of:

**Annual morningglory:** "Lorox" DF preemergence (any combination listed) followed by a directed postemergence spray of "Lorox" DF + 2,4-DB.

**Broadleaf signalgrass:** "Lorox" DF + "Lexone" DF preemergence followed by a directed postemergence spray of "Lorox" DF, if needed.

**Cocklebur (common):** "Lorox" DF + "Lexone" DF preemergence followed by a directed postemergence spray of "Lorox" DF + 2,4-DB

**Hemp sesbania:** "Lorox" DF + "Lexone" DF preemergence followed by a directed postemergence application of "Lorox" DF, if needed.

**Prickly sida:** "Lorox" DF + "Lexone" DF preemergence followed by a directed postemergence spray of "Lorox" DF, if needed.

**Velvetleaf:** "Lorox" DF + "Lexone" DF preemergence followed by a directed postemergence application of "Lorox" DF, if needed.

**Other weeds**—Directed postemergence application of "Lorox" DF should be used as a backup treatment for listed preemergence treatments and will extend the duration and degree of weed control obtained with preemergence treatment. Postemergence treatment should be used only as needed.

For dosage rates, refer to "Preemergence" and "Directed Postemergence" sections under "Soybeans".

## SOYBEANS

**Minimum or No-Tillage:** "Lorox" DF preemergence to soybeans may be used for preemergence and postemergence control of many broadleaf weeds and grasses where soybeans will be planted directly into a preformed bed (stale seed bed), cover crop or in previous crop residues such as corn or small grain stubble. Apply with ground equipment immediately before, during or after planting but before crop emerges; maintain constant agitation of spray mixture.

### "Lorox" DF Alone

Soil Texture	Pounds "Lorox" DF Per Acre	
	1/2 to 2% Organic Matter	2 to 5% Organic Matter
<b>Coarse</b> Sandy loam	1 to 1 2/3	1 2/3 to 3
<b>Medium</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 1/4 to 2 1/3	2 1/3 to 4
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/3 to 2 2/3	2 2/3 to 5 (over 5% organic matter, use 6 lbs.)

Replanting: Soybeans or field corn may be replanted within 4 months; after 4 months, ~~see "Replanting"~~ see "Replanting".

If small seedling weeds are present, add 1 pint Surfactant WK for each 25 gals. spray mixture for improved contact activity. On larger weeds, add "Paraquat" or "Roundup" or "Bronco" as described under these combinations; these treatments will also suppress some perennial weeds.

**"Lorox" DF + "Lasso"\* or "Dual" 8E or "Surflan"**—will improve control of grasses and volunteer small grains

### "Lorox" DF + "Lasso"\* + Paraquat or "Roundup"

Thoroughly mix "Lorox" DF and "Lasso" in spray tank first according to directions; then add paraquat, or "Roundup" as directed under Paraquat Combinations or "Roundup" Combinations below.

Soil Texture	Product Per Acre			
	1/2 to 3% Organic Matter		3 to 6% Organic Matter	
	"Lorox" DF (Lbs.)	+ "Lasso" (Quarts)	"Lorox" DF (Lbs.)	+ "Lasso" (Quarts)
<b>Coarse</b> Sandy loam	3/4 to 1 1/2	+ 2	1 1/2 to 2 2/5	+ 2 1/2
<b>Medium</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 1/8 to 2	+ 2 1/2	2 to 3	+ 3
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 2 1/4	+ 2 1/2	2 1/4 to 3 1/2	+ 3

\*Alachlor is a restricted use pesticide.

# LOROX DF HERBICIDE

**For control of black nightshade apply:**

Soil Texture	"Lorox" DF (Lbs.)	Product Per Acre	
		1 to 3% Organic Matter	"Lasso" (Quarts)
Coarse Sandy loam	3/4 to 1 1/2		2
Medium Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 2		2 1/2 to 3
Fine Silty clay, Silty clay loam, Clay, Clay, Clay loam	1 1/4 to 2 1/4		3

**Replanting:** Soybeans or field corn may be replanted within 4 months; after 4 months ~~any crop may be planted~~ see "Replanting".

**"Lorox" DF + "Bronco"**\*--Do not add paraquat or "Roundup" to this combination.

Soil Texture	"Lorox" DF (Lbs.)	Product Per Acre	
		1/2 to 5% Organic Matter	"Bronco"(b) (Quarts)
Coarse Sandy loam	3/4 to 2	+	3 1/4 to 5
Medium Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 1/8 to 2 1/2	+	4 to 5
Fine Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 3	+	4 to 5

Do not use on soils with less than 1/2% organic matter nor on sand, loamy sand, or muck soils as crop injury may result.

(b) Use the higher rate for dense stubble, heavy crop residue, or heavy weed population

**Replanting Soybeans:** If initial seeding fails to produce a stand, treated fields may be replanted to soybeans; 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 four months after treatment as injury to subsequent crops may result. See "Replanting".

\*Products containing alachlor are restricted use pesticides.

**"Lorox" DF + "Dual" 8E + Paraquat or "Roundup"**--Thoroughly mix "Lorox" DF and "Dual" 8E in spray tank first according to directions; then add paraquat or "Roundup" as directed under Paraquat Combinations or "Roundup" Combinations below.

Soil Texture	Product Per Acre					
	1/2 to 3% Organic Matter		3 to 6% Organic Matter			
	"Lorox" DF (Lbs.)	"Dual" 8E (Pints)	"Lorox" DF (Lbs.)	"Dual" 8E (Pints)		
Coarse Sandy loam	3/4 to 1 1/2	+	1 1/2	1 1/2 to 2 2/5	+	1 1/2
Medium Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 1/8 to 2	+	2	2 to 3	+	2
Fine Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 2 1/4	+	2 to 2 1/2	2 to 3 1/2	+	2 to 2 1/2

**Note:** Do not graze or feed forage from treated areas to livestock. Replanting: Soybeans or field corn may be replanted within 4 months; for rotation crops ~~within~~ see "Replanting" and instructions on "Dual" 8E label.

**"Lorox" DF + "Surflan" + Paraquat or "Roundup"**—Thoroughly mix "Lorox" DF and "Surflan" in spray tank first according to directions; then add paraquat or "Roundup" as directed under Paraquat Combinations or "Roundup" Combinations below.

Soil Texture	Product Per Acre			
	1/2 to 3% Organic Matter "Lorox" DF (Lbs.)	+	"Surflan" 75W (Lbs.)	or "Surflan" AS (Quarts)
<b>Coarse</b> Sandy loam	3/4 to 1 1/2	+	2/3 to 1	or 1/2 to 3/4
<b>Medium</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 1/8 to 2	+	1 to 1 1/3	or 3/4 to 1
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 2 1/4	+	1 1/3 to 1 2/3	or 1 to 1 1/4

**Note:** Do not use treated vines for feed or forage. ~~Replanting:~~ Soybeans may be replanted within 4 months; after 4 months ~~they may be planted again~~ see "Replanting" and do not plant potatoes within 12 months.

**Paraquat Combinations**—Select and tank mix in water one of the above treatments; then add 1 to 2 pints paraquat (2 lbs. active per gal.) per acre for control of emerged weeds. Use the higher rate for weeds 4" to 6" tall. As the last ingredient, add 1/2 pint Surfactant WK or "Ortho" X-77 Spreader per 100 gals. of spray mixture. Maintain constant agitation. Use 20 to 60 gals. of water per acre. Use the higher gallonage for dense stubble or vegetation.

**"Roundup" Combinations**—Select and tank mix one of the above treatments. As last ingredient, add 1 1/2 quarts of "Roundup" per acre for control of emerged annual weeds or 2 to 4 quarts per acre for control of emerged perennial and annual weeds. Use 20 to 30 gals. of water per acre.

**"Bronco" Combinations**—Mix "Lorox" DF with water in the spray tank as directed on the package label and then add "Bronco" to the dilute mix. Maintain constant agitation. Use 20 to 30 gals. water per acre.

\*Products containing alachlor are restricted use pesticides.

## SOYBEANS

**Directed Postemergence Application:** Apply "Lorox" DF alone or as a tank mixture with 2,4-DB ~~(1 1/2 lbs. active per gal.)~~ as a directed spray to cover weed foliage with minimum contact of the soybean plant. Do not spray higher than 3" on the soybean stem or crop injury may result. Do not spray over top of soybean plants. For broadcast application, use a single flood-type spray nozzle ("K" series or equivalent) per middle mounted on an oiling shoe or gauge wheel. For band treatment, use two nozzles per row mounted on an oiling shoe or gauge wheels, one of each side of row. To avoid spray drift, which may cause crop injury, do not exceed nozzle pressure of 25 psi nor use nozzle tips smaller than 8002 T-Jet (or equivalent) and do not spray under windy conditions. Add 1 pint Surfactant WK for each 25 gals. spray mixture. For best results, use a preemergence treatment (such as "Lorox" DF) or cultivation to control early weed growth and to increase the differential between height of soybeans and weeds.

**NOTE:** Do not use on soils with less than 1/2% organic matter. Do not apply more than 2 lbs. "Lorox" DF per acre per season for postemergence treatments. Do not apply within 60 days of harvest. Do not feed soybean forage or hay to livestock from fields treated postemergence. Harvested soybeans may be used for food, feed or oil purposes. See "Replanting". Do not reenter treated areas for 24 hours following application unless protective clothing is worn.

**"Lorox" DF Alone**—For soybeans at least 8" high and when weeds do not exceed 2" in height, apply 1/2 to 1 lb. per acre. Make a second application at same rate if new flush of weeds occur.

For soybeans at least 12" high and when weeds do not exceed 4" in height, make a single application of 1 to 2 lbs. per acre. Alternatively, make a split application of 1 lb. per acre followed by a second application at the same rate after 1 week or later.

**"Lorox" DF + 2,4-DB**—For soybeans at least 8" high and when weeds do not exceed 4" in height, apply 1 lb. "Lorox" DF plus 1/5 lb. 2,4-DB (1 1/2 fl. oz. "Butyrac" 200 or 1 pint "Butoxone") per acre. A second application may be made if needed, but do not make more than 2 applications per season.

# LOROX DF HERBICIDE

## NON-CROP WEED CONTROL

For short-term control of annual weeds on non-cropland areas such as roadsides and fence rows--apply 2 to 6 lbs. "Lorox" DF per acre in 40 to 100 gals. of water. For best results, apply shortly before weed growth begins or at early seedling stage of growth. For control of established annual weeds, add Surfactant WK at rate of 2 qts per 100 gals. of spray mixture and apply as a thorough coverage spray during periods when daily temperatures exceed 70°F. and before weed growth exceeds 8" in height.

Do not reenter treated areas for 24 hours following application unless protective clothing is worn.

- 1 Registered trademark of E. I. du Pont de Nemours and Company, Inc. "Amiben" contains 2 lbs. chloramben per gal. "Butyrac" 200 contains 2 lbs. 2,4-DB per gal.
- 2 Registered trademark of Ciba Geigy Corporation. "Dial" 8E contains 8 lbs. metolachlor per gal.
- 3 Registered trademark of Monsanto Company. "Lorox" contains 4 lbs. alachlor per gal. "Roundup" contains 4 lbs. glyphosate per gal. "Bronco" contains 2.6 lbs. alachlor and 1.04 lbs. glyphosate per gal. "Ramrod" contains 4 lbs. propachlor per gal. Products containing alachlor are restricted use pesticides.
- 4 Paraquat contains 2 lbs. active per gal., paraquat is a restricted use pesticide.
- 5 Registered trademark of American Cyanamid Company. "Prowl" contains 4 lbs. pendimethalin per gal.
- 6 Registered trademark of Elanco Products Company. "Surflan" 75W contains 75% WP oryzalin, "Surflan" A5 contains 4 lbs. oryzalin per gal. "Treflan" contains 4 lbs. trifluralin per gal.
- 7 Registered trademark of Rhone-Poulenc Inc. "Butoxine" contains 1.75 lbs. dimethylamine salt and 2 lbs. n-octyl ester of 2,4-DB per gal.
- 8 ~~REGISTERED TRADEMARK OF WESTVACO CORPORATION~~
- 8 Registered trademark of Westvaco Corporation
- 9 Registered trademark of ICI United States, Inc.

## STORAGE AND DISPOSAL

**STORAGE:** Store product in original container only, away from other pesticides, fertilizer, food, or feed

**DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at approved waste disposal facility.

Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## NOTICE OF WARRANTY

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Du Pont. In no case shall Du Pont be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. DU PONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

~~REGISTERED TRADEMARK OF WESTVACO CORPORATION~~

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ACTUAL SIZE

**DUPONT**

REG. U.S. PAT. & TM. OFF.

**Lorox<sup>®</sup> DF<sup>™</sup>**

HERBICIDE



TRADEMARK

**DISPERSIBLE  
GRANULES**

**NET 10 POUNDS**

[ BEST AVAILABLE COPY ]

# SPECIMEN LABEL

Net 10 lb



# Lorox<sup>®</sup> DF<sup>™</sup>

## HERBICIDE

Dispersible Granules

**ACTIVE INGREDIENT:**

Linuron [3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea] 50%

**INERT INGREDIENTS** 50%

EPA Est. 34704 MS-1 EPA Reg. No. 102-194

**IMPORTANT**

When mixing, loading and spraying wear a wide-brimmed hat, mid forearm to elbow length chemical resistant gloves, and one-piece overalls which have long sleeves and long pants. Overalls should be constructed of fine woven fabric as specified in the USDA EPA Guide for Commercial Applicators.

Any article of clothing worn while applying product must be cleaned before reusing. Clothing which has been drenched or has otherwise absorbed concentrated pesticide must be disposed in a sanitary landfill or incinerated, or if allowed by state and local authorities, by burning.

Instead of clothing and equipment specified above, the applicator can use an enclosed tractor cab which provides a filtered air supply (as described by Taschenberg and Bourke, 1975).

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

Do not apply (except as recommended) 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 home plantings of trees, shrubs or herbaceous plants, nor 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 and seeds.

Do not apply aerially.

Thoroughly clean all traces of Lorox<sup>®</sup> DF 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 separately).

Keep out of reach of children.  
**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS**

**CAUTION!**

**HARMFUL IF SWALLOWED.  
CAUSES EYE IRRITATION. MAY  
IRRITATE NOSE, THROAT AND SKIN.**

Avoid breathing dust or spray mist.  
Avoid contact with skin, eyes, and clothing.  
Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**

**If in eyes:** Flush with plenty of water. Get medical attention if irritation persists.

**If on skin:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**If swallowed:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**For medical emergencies involving this product, call toll free 1-800-441-3637.**

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of wastes.

AG 2226-8017-3 12 87 Made in U.S.A. Printed in U.S.A.

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**E. I. DU PONT DE NEMOURS & CO. (INC.), AGRICULTURAL PRODUCTS DEPARTMENT, WILMINGTON, DE**



# Lorox<sup>®</sup> DF<sup>™</sup>

## HERBICIDE

**Directions For Use — See Attached Folder**

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

Lorox<sup>®</sup> DF Herbicide should be used only in accordance with recommendations on this label or in separate published Du Pont recommendations available through local dealers. Do not use on any crop in Kern County, California, except carrots when a permit has been obtained from the Agricultural Commission.

Du Pont will not be responsible for losses or damages resulting from use of this product in any manner not specifically recommended by Du Pont. User assumes all risks associated with such non-recommended use.

**GENERAL INFORMATION**

Du Pont Lorox<sup>®</sup> DF Herbicide is a dispersible granule to be mixed in water and applied as a spray for selective control of weeds in certain crops and for non-selective weed control on non-cropland areas. It is non-corrosive to equipment, non-flammable and non-volatile.

Lorox<sup>®</sup> DF is an effective preemergence treatment of soybeans, asparagus, carrots, corn, parsnips, potatoes and sorghum for control of weeds listed below. Lorox<sup>®</sup> DF is particularly effective in non-tillage soybean production. Treatment is made after planting but before emergence of soybeans. Weeds have usually emerged and the treatment controls susceptible weeds. Treatment also controls susceptible emerging weeds for an extended time.

Lorox<sup>®</sup> DF may be sprayed postemergence over the top of emerged asparagus (before or after cutting) and to small ferns, carrots (at least 3" tall) and celery (transplants) to effectively control susceptible emerged seedling weeds.

Directed postemergence applications of Lorox<sup>®</sup> DF where spray nozzles are adjusted so that weeds are sprayed but the crop is not, may be used in emerged asparagus (larger ferns), corn (field and sweet), cotton, sorghum and soybeans to effectively control susceptible emerged seedling weeds.

Lorox<sup>®</sup> DF is recommended for use in conjunction with certain other herbicides for treatment of field corn, potatoes, sorghum, and soybeans. Observe all cautions and limitations on labeling of all products used in mixtures.

Since the effect of Lorox<sup>®</sup> DF varies with soils, crop varieties, uniformity of application, and environmental conditions, it is suggested that growers limit their first use to small areas.

**NOTICE OF WARRANTY**

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of Du Pont. In no case shall Du Pont be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. **DU PONT MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

**SELECTIVE USE IN CROPS**

	Preemergence Use	Postemergence Use
ASPARAGUS	California	California
CARROTS	Florida, Michigan, Wisconsin	United States
CELERY		East of Rocky Mountains
CORN (FIELD)	East of Rocky Mountains	United States
CORN (SWEET)		United States
COTTON		East of Rocky Mountains
PARSNIPS	United States	
POTATOES	East of Rocky Mountains	
SORGHUM	Southwest and Great Plains	United States
SOYBEANS	United States	United States

*\*Post-transplant use only.*

**NON-CROP WEED CONTROL**  
• ROADSIDES  
• FENCE ROWS

**STORAGE AND DISPOSAL**

**STORAGE:** Store product in original container only, away from other pesticides, fertilizer, food or feed.

**DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning or purchase and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

EPA Est. 34704 NR 2, 34704 MS 1, 37429 GA 1, 97, 9 AR 11  
SUPERSCRIPT USED IS FIRST LETTER OF LOT NUMBER





Continued from opposite side

**Directed Postemergence Application** Maximize spray application of Loxol DF as a directed spray, adding 1000 parts per million of a 25% glyphosate mixture. If spray is reduced with sandy soils or winds, apply 1 1/2 times more when conditions are favorable. Free-standing weeds and weeds are up to 2 1/2' in height. Use 1/2 ounce per acre when spray is 1/2" tall and weeds are up to 1 1/2' in height. Use 1/4 ounce per acre when spray is 1/4" tall and weeds are up to 1/2' in height. Use 1/8 ounce per acre when spray is 1/8" tall and weeds are up to 1/4' in height. Apply 1/2 ounce per acre when spray is 1/2" tall and weeds are up to 1 1/2' in height. Apply 1/4 ounce per acre when spray is 1/4" tall and weeds are up to 1/2' in height. Apply 1/8 ounce per acre when spray is 1/8" tall and weeds are up to 1/4' in height.

**Note** Do not apply Loxol DF to soybeans after they have been treated with a herbicide. Do not apply Loxol DF to soybeans after they have been treated with a herbicide.

**SOYBEANS**

**Preemergence Application** Loxol DF is a preemergence herbicide. It is applied to the soil before the soybean seeds are planted. It kills weeds that emerge before the soybean plants are established. Loxol DF is applied to the soil at a rate of 1/2 ounce per acre. It is applied to the soil at a rate of 1/2 ounce per acre.

**Loxol DF + Lasso or DF + Lasso** Loxol DF + Lasso or DF + Lasso is a preemergence herbicide. It is applied to the soil before the soybean seeds are planted. It kills weeds that emerge before the soybean plants are established. Loxol DF + Lasso or DF + Lasso is applied to the soil at a rate of 1/2 ounce per acre.

Table with 2 columns: Soil Texture, Product Per Acre. Rows include Coarse, Medium, Fine, and Replanting.

**Note** Loxol DF is a preemergence herbicide. It is applied to the soil before the soybean seeds are planted. It kills weeds that emerge before the soybean plants are established. Loxol DF is applied to the soil at a rate of 1/2 ounce per acre.

**Cultivation after planting** Cultivation after planting is a method of weed control. It involves using a cultivator to remove weeds from the soil. Cultivation after planting is a method of weed control.

**Replanting** Replanting is a method of weed control. It involves planting new soybean seeds in the soil. Replanting is a method of weed control.

**Loxol DF + Lasso** Loxol DF + Lasso is a preemergence herbicide. It is applied to the soil before the soybean seeds are planted. It kills weeds that emerge before the soybean plants are established. Loxol DF + Lasso is applied to the soil at a rate of 1/2 ounce per acre.

**Loxol DF + Lasso or DF + Lasso** Loxol DF + Lasso or DF + Lasso is a preemergence herbicide. It is applied to the soil before the soybean seeds are planted. It kills weeds that emerge before the soybean plants are established. Loxol DF + Lasso or DF + Lasso is applied to the soil at a rate of 1/2 ounce per acre.

**Note** Loxol DF is a preemergence herbicide. It is applied to the soil before the soybean seeds are planted. It kills weeds that emerge before the soybean plants are established. Loxol DF is applied to the soil at a rate of 1/2 ounce per acre.

**SOYBEANS**

**Preemergence Followed by Postemergence (Directed) Application** Both preemergence and postemergence directed to weeds with minimum contact with soybean plants. Treatment may be required for control of weeds.

**Annual morningglory** Loxol DF preemergence, any combination listed followed by a directed postemergence spray of Loxol DF + 2.4 DB.

**Broadleaf signalgrass** Loxol DF + Lasso or DF preemergence followed by a directed postemergence spray of Loxol DF + 2.4 DB.

**Cocklebur (common)** Loxol DF + Lasso or DF preemergence followed by a directed postemergence spray of Loxol DF + 2.4 DB.

**Hemp sesbania** Loxol DF + Lasso or DF preemergence followed by a directed postemergence spray of Loxol DF + 2.4 DB.

**Prickly sida** Loxol DF + Lasso or DF preemergence followed by a directed postemergence spray of Loxol DF + 2.4 DB.

**Velvetleaf** Loxol DF + Lasso or DF preemergence followed by a directed postemergence spray of Loxol DF + 2.4 DB.

**Other weeds** Directed postemergence application of Loxol DF should be used as a backup treatment for listed preemergence treatments and will extend the duration and degree of weed control obtained with preemergence treatment. Postemergence treatment should be used only as needed.

For usage rates refer to Preemergence and Directed Postemergence sections under Soybeans.

**SOYBEANS**

**Minimum or No-Tillage** Loxol DF preemergence plus a residual preemergence herbicide may be used for preemergence and postemergence control of many broadleaf weeds and grasses where soybeans will be planted directly into a preformed bed. A seed bed cover crop or previous crop residues such as corn or small grain stubble. Apply with ground equipment immediately before planting after planting but before crop emergence. Maintain a 2" layer of soil over the spray.

Table with 2 columns: Soil Texture, Pounds Loxol DF Per Acre. Rows include Coarse, Medium, Fine, and Replanting.

**Loxol DF + Lasso or Dual SE or Surlin** Loxol DF + Lasso or Dual SE or Surlin is a preemergence herbicide. It is applied to the soil before the soybean seeds are planted. It kills weeds that emerge before the soybean plants are established. Loxol DF + Lasso or Dual SE or Surlin is applied to the soil at a rate of 1/2 ounce per acre.

**Loxol DF + Lasso + Paraquat or Roundup** Loxol DF + Lasso + Paraquat or Roundup is a preemergence herbicide. It is applied to the soil before the soybean seeds are planted. It kills weeds that emerge before the soybean plants are established. Loxol DF + Lasso + Paraquat or Roundup is applied to the soil at a rate of 1/2 ounce per acre.

Table with 2 columns: Soil Texture, Product Per Acre. Rows include Coarse, Medium, Fine, and Replanting.

**For control of black nightshade apply** Loxol DF + Lasso or Dual SE or Surlin is a preemergence herbicide. It is applied to the soil before the soybean seeds are planted. It kills weeds that emerge before the soybean plants are established. Loxol DF + Lasso or Dual SE or Surlin is applied to the soil at a rate of 1/2 ounce per acre.

**Loxol DF + Bronco** Loxol DF + Bronco is a preemergence herbicide. It is applied to the soil before the soybean seeds are planted. It kills weeds that emerge before the soybean plants are established. Loxol DF + Bronco is applied to the soil at a rate of 1/2 ounce per acre.

**Replanting Soybeans** Replanting soybeans is a method of weed control. It involves planting new soybean seeds in the soil. Replanting soybeans is a method of weed control.

**Loxol DF + Dual SE + Paraquat or Roundup** Loxol DF + Dual SE + Paraquat or Roundup is a preemergence herbicide. It is applied to the soil before the soybean seeds are planted. It kills weeds that emerge before the soybean plants are established. Loxol DF + Dual SE + Paraquat or Roundup is applied to the soil at a rate of 1/2 ounce per acre.

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**Soil Texture**  
**Coarse**  
**Medium**  
**Fine**

**Replanting**

**SOYBEANS**  
**Preemergence**

**Soil Texture**  
**Coarse**  
**Medium**  
**Fine**

**Replanting**

**SOYBEANS**  
**Preemergence**

**Soil Texture**  
**Coarse**  
**Medium**  
**Fine**

**Replanting**

**Lorsx® DF + Sulfan® + Paraquat or Roundup™**—Thoroughly mix Lorsx and Sulfan. Spray the field according to directions then add paraquat or Roundup as directed under Paraquat Combinations or Roundup Combinations below.

Soil Texture	Product Per Acre to 3% Organic Matter		
	Lorsx DF	Sulfan 15W	Sulfan AS
Coarse	2.0	1.0	1.0
Medium	2.0	1.0	1.0
Fine	2.0	1.0	1.0

**Note:** Do not use Lorsx DF in fields with a high percentage of organic matter. For more information see the Replanting and Disposal sections.

**Paraquat Combinations**—Select and tank mix in water. Use the amount that will give you 2.0 quarts paraquat (2.0 gal. of 4.0 lb. paraquat) per acre. If you are using a broadcast sprayer, use the broadcast rate of 2.0 quarts paraquat (2.0 gal. of 4.0 lb. paraquat) per acre. If you are using a Mantis constant agitation, use 20 to 50 gal. of water per acre. Use the higher rate for dense stubble or vegetation.

**Roundup Combinations**—Select and tank mix in water. Use the amount that will give you 2.0 quarts Roundup (2.0 gal. of 4.0 lb. Roundup) per acre. If you are using a broadcast sprayer, use the broadcast rate of 2.0 quarts Roundup (2.0 gal. of 4.0 lb. Roundup) per acre. If you are using a Mantis constant agitation, use 20 to 50 gal. of water per acre.

**Bronco Combinations**—Mix Lorsx DF with water in the spray tank as directed on the package label and then add Bronco to the solution. Maintain constant agitation. Use 20 to 50 gal. of water per acre.

**SOYBEANS**

**Directed Postemergence Application**—Apply Lorsx DF alone or as a tank mix with 4.0 lb. AS as a directed spray over weeds. Use with a minimum of 1.0 quarts of water per acre. If you are using a broadcast sprayer, use the broadcast rate of 1.0 quarts of water per acre. If you are using a Mantis constant agitation, use 20 to 50 gal. of water per acre. Use the higher rate for dense stubble or vegetation.

**NOTE:** Do not use Lorsx DF in fields with a high percentage of organic matter. For more information see the Replanting and Disposal sections.

**Lorsx DF Alone**—Mix Lorsx DF with water in the spray tank as directed on the package label and then add Lorsx DF to the solution. Maintain constant agitation. Use 20 to 50 gal. of water per acre.

**Lorsx DF + 2,4-DB**—Mix Lorsx DF with water in the spray tank as directed on the package label and then add 2,4-DB to the solution. Maintain constant agitation. Use 20 to 50 gal. of water per acre.

**NON-CROP WEED CONTROL**

For information on non-crop weed control, see the Non-Crop Weed Control section of the product label.

**STORAGE AND DISPOSAL**

**STORAGE**—Store Lorsx DF in a cool, dry place. Do not store in a metal container. Do not store in a container that has been used for other pesticides. Do not store in a container that has been used for food or feed.

**DISPOSAL**—Do not use Lorsx DF in a container that has been used for food or feed. Do not use Lorsx DF in a container that has been used for other pesticides. Do not use Lorsx DF in a container that has been used for food or feed.

**NOTICE OF WARRANTY**

This product is warranted to perform as described on the label. The user assumes all responsibility for the proper use of this product. The user assumes all responsibility for the proper use of this product. The user assumes all responsibility for the proper use of this product.

SEE TABLE 1000