

# LOROX L HERBICIDE

PACKAGE SIZE

LIQUID SUSPENSION

SHAKE WELL BEFORE USING

KEEP FROM FREEZING

ACTIVE INGREDIENT: Linuron [3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea] \_\_\_\_\_ 40.7%

INERT INGREDIENTS: \_\_\_\_\_ 59.3%

EPA Reg. No. 352-391

Keep out of reach of children

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION! HARMFUL IF SWALLOWED.**

Avoid breathing spray mist. Avoid contact with skin, eyes, and clothing.

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" L from application equipment immediately after use. Flush tank, pump, hoses, and boom with several changes of water after removing nozzle tips and screens (clean these parts separately).



**Directions For Use — See Attached Folder**

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

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. Do not use on any crop in Kern County, California, except carrots when a permit has been obtained from the Agricultural Commission

**GENERAL INFORMATION**

Du Pont "Lorox" L Herbicide is a liquid suspension 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. For field corn, sorghum, and soybeans, "Lorox" L is recommended for use in conjunction with certain other herbicides, observe all cautions and limitations on labeling of all products used in mixtures

**NOTICE OF WARRANTY**

Du Pont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purposes stated on such label only when used in accordance with the 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. **DUPONT 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**

	<u>Preemergence Use</u>	<u>Postemergence Use</u>
ASPARAGUS	California	California
CARROTS	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:** Keep from freezing. 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 must 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 by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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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" L from application equipment immediately after use. Flush tank, pump, hoses, and boom with several changes of water after removing nozzle tips and screens (clean these parts separately).

# LOROX L HERBICIDE

## GENERAL INFORMATION

Du Pont "Lorox" L Herbicide is a liquid suspension 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" L is an effective preemergence treatment of soybeans, asparagus, carrots, corn, parsnips, potatoes and sorghum for control of weeds listed below. "Lorox" L 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" L 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" L, 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" L 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" L on soils of 1/2% to 3% organic matter. The combination of "Lorox" L 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" L 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" L 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" L 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" L varies with soils, crop varieties, uniformity of application, and environmental conditions, it is suggested that growers limit their first use to small areas.

**PRE-EMERGENCE USE** (Germinating Weeds) "Lorox" L, 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" L 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" L applied preemergence, before emergence of soybeans, asparagus, carrots, corn (field), parsnips, potatoes, and sorghum ~~and soybeans~~ 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" L 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" L 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" L 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" L.

**Note:** Consult "Amiben"<sup>1</sup>, atrazine, "Bronco"<sup>3</sup>, "Dual"<sup>2</sup> 8E, "Lasso"<sup>3</sup>, paraquat<sup>4</sup>, propazine, "Prowl"<sup>5</sup>, "Ramrod"<sup>3</sup>, "Roundup"<sup>3</sup>, "Surflan"<sup>6</sup>, and "Treflan"<sup>6</sup> labels for additional weeds controlled when "Lorox" L is used in conjunction with these herbicides.

**POSTEMERGENCE USE** (Emerging Seedling Weeds): "Lorox" L, 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	(teaweed)	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
Lawel	Wild buckwheat	Texas panicum

Results of postemergence treatment of emerged 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" L. 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 ~~and "Prothozone"~~ labels for additional weeds controlled when "Lorox" L 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" L 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.

1. Tank 1/4 full with water. Start agitation system, add "Lorox" L, 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.

1. Put 1 pint of fertilizer solution in a quart jar.
2. Mix 2 teaspoons "Lorox" L with 2 tablespoons of water; mix thoroughly and add to fertilizer solution.
3. Close jar and shake well.
4. 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" L/fertilizer mixture.
5. Close jar and shake well.
6. Watch mixture for several seconds, check again in 30 minutes.
7. If mixture does not separate, foam, gel or become lumpy it may be used.
8. Mixing ability may be improved by adding compatibility agents such as Kalo Laboratories "Complex" or Witco Chemicals "Spontic" 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" L 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" L (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" L (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 treated areas with 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; unless otherwise directed, ~~do not plant any other crop until 1 year after the last application.~~ ~~Do not rotate crops used for food or feed, which are not registered for use with "Lorox" L or to areas previously treated with this chemical, after 1 year treated areas may be replanted to asparagus, barley, celery, corn, cotton, oats, parsnips, potatoes, rye, sorghum and soybeans and wheat.~~ If shorter intervals are used, crop injury may occur. Do not rotate to any other crops used for food and feed.

## CROP USES

### ASPARAGUS

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

**Direct Seeded or Newly Planted Crowns** Do not exceed 4 pints 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 pints 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 15 lbs. per acre of crop with 20" row spacing)

**Postemergence Application:** Make 1 or 2 applications of 1 to 2 pints 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 pints 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 pints per acre.

**Postemergence Application:** Make 1 to 4 applications of 1 to 2 pints 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 pints per acre as a directed spray to base of plants for control of dudain melon

**Note:** If more than 4 pints "Lorox" L 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 pints per acre in Florida and 1 to 3 pints 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 pints "Lorox" L per acre per season

# LOROX L HERBICIDE

**Postemergence Application--U.S.:** Apply 1 1/2 to 3 pints 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 pints "Lorox" L per acre (West of Rocky Mountains, do not exceed 3 pints "Lorox" L per acre). Do not exceed 40 psi spray nozzle pressure as crop injury may result.

"Lorox" L 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" L provided treatments are at least 2 weeks apart. Shorter time intervals between applications may result in injury to the crop. Do not apply "Lorox" L 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" L 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" L. 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 pints 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 black soils.

Do not exceed 40 psi spray nozzle pressure, and do not apply when temperature exceeds 85°F. nor as a tank mixture with surfactants, 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" L + "Lasso"

Soil Texture	Product Per Acre					
	1 to 3% Organic Matter			3 to 6% Organic Matter		
	"Lorox" L (Pints)	+	"Lasso" (Quarts)	"Lorox" L (Pints)	+	"Lasso" (Quarts)
Coarse Sandy loam	2 3/4 to 1 1/4	+	3 4 to 1	1 1/4 to 2	+	1 to 1 1/2
Medium 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
Fine 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, ~~any crop may be planted~~, see "Replanting".

\*Achlor is a restricted use pesticide

# LOROX L HERBICIDE

## "Lorox" L + "Ramrod"

Soil Texture	1 to 3% Organic Matter		3 to 6% Organic Matter	
	"Lorox" L	"Ramrod" (4 Lbs./Gal.)	"Lorox" L	"Ramrod" (4 Lbs./Gal.)
Coarse 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
Medium 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
Fine 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" L + atrazine

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

Soil Texture	1 to 2% Organic Matter		2 to 5% Organic Matter	
	"Lorox" L (Pints)	atrazine 80% (Lbs.)	"Lorox" L (Pints)	atrazine 80% (Lbs.)
Coarse Sandy loam	2/3 to 1	1/2 to 2/3	1 to 2	2/3 to 1 1/4
Medium 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
Fine 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, see "Replanting". ~~any crop may be replanted except do not follow treated corn with sugar beets, tobacco, or vegetables in rotation.~~

## 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 pints per acre add 1 pint Surfactant WK for each 25 gal's 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 pints 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 pints 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 pints 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 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 pints per acre on the coarser soils (sandy loams, silt loams; 1 to 2% organic matter) and 2 1/2 to 4 pints per acre on finer soils (silt, clay loams; 2 to 5% organic matter); on soils over 5% organic matter, use 4 pints per acre and apply to emerged weeds (before potatoes emerge).

**Wisconsin--Central Sands Area:** Apply 1 pint per acre on sands and 2 pints 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		3 to 5% Organic Matter		
	"Lorox" L (Pints)	"Dual" 8E (Pints)	"Lorox" L (Pints)	"Dual" 8E (Pints)	"Lorox" L (Pints)	"Dual" 8E (Pints)	
<b>Coarse</b>							
Sandy loam	1 to 1 1/2	+	1 1/2		1 1/2 to 2	+	2
<b>Medium</b>							
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"

# LOROX L HERBICIDE

## 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" L + propazine--Southwest

Soil Texture	1 to 2% Organic Matter		Product Per Acre		2 to 4% Organic Matter	
	"Lorox" L (Pints)	+	propazine (Lbs.)	"Lorox" L (Pints)	+	propazine (Lbs.)
<b>Coarse</b> Sandy loam	5/8 to 1	+	3/8 to 5/8	1 to 1 1/2	+	5/8 to .
<b>Medium</b> 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

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

### "Lorox" L + "Ramrod"--Great Plains

Soil Texture	1 to 3% Organic Matter		Pints Per Acre		3 to 6% Organic Matter	
	"Lorox" L	+	"Ramrod" (4 Lbs./Gal.)	"Lorox" L	+	"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" L 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 ~~to~~ pint per acre when sorghum is 12" tall (free standing plants) and weeds are up to 2" in height; Use 1 to 2 pints per acre when sorghum is 15" tall and weeds are 2" to 4" in height. If boom drops are used, apply 1 to 2 pints 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" L + "Lexone" DF<sup>TM</sup> + "Lasso"<sup>®</sup>

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			3 to 6% Organic Matter		
	"Lorox" L (Pints)	+ "Lexone" DF (Lbs.)	+ "Lasso" (Quarts)	"Lorox" L (Pints)	+ "Lexone" DF (Lbs.)	+ "Lasso" (Quarts)
Coarse 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
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 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 1/4 to 2	1 1/2 to 2	+ 1/2 to 2/3 or ("Lexone" 4L--3/4 to 1 pt.)	+ 2 to 3

**Note:** Soybean varieties such as Altona, Coker 102 and 156, Govan, NKS 1884, Semmes, Tracy, Vanscoy, 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, Asrow 1937, Asgrow 3659, Asgrow 3860, DSR 171, DSR 207, Essex Fayette, Hiscy 170, Lakota, Lawrence 10L 4207, NKS 1492, Pride B216, Pride B242, SRF 250, SRF 350 P, Union Wayne, Wells II and Williams 62. 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", "Mucap", "Nemacur", "Thimet", "Parathion", "Lasso" 15G or Counter. Injury may occur if atrazine was applied on the soil the year before use of "Lexone". Seeding 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.

## LOROX L HERBICIDE

Do not use on sand nor loamy sand. Do not use treated plants for feed or forage. Injury may occur in late fall if applied on the soil the year before. Seeding disease, cold weather, deep plowing (within that 2" excess herbicide), high soil pH (7.5 or higher), high salt concentration, or drought may weaken soybean seedlings and increase possibility of crop injury.

**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 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" L + "Lasso"\*

Soil Texture	Product Per Acre		Product Per Acre	
	1/2 to 3% Organic Matter "Lorox" L (Pints)	+ "Lasso" (Quarts)	3 to 6% Organic Matter "Lorox" L (Pints)	+ "Lasso" (Quarts)
Coarse Sandy loam	2/3 to 1 1/4	+ 3/4 to 1	1 1/4 to 2	+ 1 to 1 1/2
Medium 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
Fine 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

### For control of black nightshade, apply:

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

\*Alachlor is a restricted use pesticide.

# LOROX L HERBICIDE

## "Lorox" L + "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	1/2 to 3% Organic Matter			3 to 6% Organic Matter		
	"Lorox" L (Pints)	+ "Lexone" DF (Lbs.)	+ "Dual" 8E (Pints)	"Lorox" L (Pints)	+ "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
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 2 1/2

**Note:** Soybean varieties such as Altona, Coker 102 and 156, Govan, NKS 1884, Semmes, Tracy, Vansoy, Vava 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, Hiscy 173, Lakota, Lawrence, LOL 4207, NKS 1492, Pride B216, Pride B242, SRF 250, SRF 350, P. Union, Wayne, Wells II and Williams 62. 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 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" L + "Dual" 8E

Soil Texture	1/2 to 3% Organic Matter		3 to 6% Organic Matter	
	"Lorox" L (Pints)	+ "Dual" 8E (Pints)	"Lorox" L (Pints)	+ "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 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 instructions on "Dual" 8E label.

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# LOROX L HERBICIDE

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

Soil Texture	Product Per Acre	
	<u>(1 to 3% Organic Matter)</u> "Lorox" L (Pints)	"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 7 months, see "Replanting" any crop may be planted.

## "Lorox" L + "Surflan" 75W or "Surflan" AS

Soil Texture	Product Per Acre			
	<u>1/2 to 3% Organic Matter</u> "Lorox" L (Pints)	+	"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". Do not plant potatoes within 12 months.

## "Lorox" L + "Prowl"

Soil Texture	Pints Per Acre					
	<u>1 to 3% Organic Matter</u> "Lorox" L	+	"Prowl"	<u>3 to 6% Organic Matter</u> "Lorox" L	+	"Prowl"
<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, other crops listed in "Replanting" may be planted the following year.

# LOROX L HERBICIDE

## "Lorox" L + "Amiben"

Soil Texture	Product Per Acre			
	1/2 to 3% Organic Matter		3 to 6% Organic Matter	
	"Lorox" L (Pints)	"Amiben" (Quarts)	"Lorox" L (Pints)	"Amiben" (Quarts)
<b>Coarse</b> Sandy loam	2/3 to 1 1/4	+ 3	1 1/4 to 2	+ 3
<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	+ 4
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 2	+ 4	2 to 3	+ 5

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

## 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" L preemergence (after planting and before emergence of soybeans) as a separate operation using rates recommended below for "Lorox" L 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" L Alone**--If weeds have emerged add 1 pint Surfactant WK for each 25 gals. spray mixture.

Soil Texture	Pints "Lorox" L 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 pints)

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

## 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" L preemergence (any combination listed) followed by a directed postemergence spray of "Lorox" L + 2.4-DB

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

**Cocklebur (common)**--"Lorox" L + "Lexone" DF preemergence followed by a directed postemergence spray of "Lorox" L + 2.4-DB.

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

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

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

**Other weeds:** Directed postemergence application of "Lorox" L 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" L 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" L Alone

Soil Texture	Pints "Lorox" L 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 pints)

Replanting: Soybeans or field corn may be replanted within 4 months; after 4 months, see "Replanting". ~~Apply/Chlor/Alachlor/BE/Alachlor~~

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" L + "Lasso"\* or "Dual" 8E or "Surflan"** will improve control of grasses and volunteer small grains.

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

Thoroughly mix "Lorox" L 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" L (Pints)	"Lasso" (Quarts)	"Lorox" L (Pints)	"Lasso" (Quarts)	"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 L HERBICIDE

**For control of black nightshade apply:**

Soil Texture	"Lorox" L (Pints)	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, see "Replanting" ~~and crop may be planted.~~

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

Soil Texture	"Lorox" L (Pints)	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" L + "Dual" 8E + Paraquat or "Roundup"** Thoroughly mix "Lorox" L 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" L (Pints)	"Dual" 8E (Pints)	"Lorox" L (Pints)	"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 see "Replanting" and follow instructions on "Dual" 8E label

**"Lorox" L + "Surflan" + Paraquat or "Roundup"**—Thoroughly mix "Lorox" L 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	1/2 to 3% Organic Matter		Product Per Acre		
	"Lorox" L (Pints)	+	"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, see "Replanting" and any crop may be planted except do not plant potatoes or crops 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" L 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.

## SOYBEANS

**Directed Postemergence Application:** Apply "Lorox" L alone or as a tank mixture with 2,4-DB or ~~"Premerge" 200~~ 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" L) 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 pints "Lorox" L 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" L Alone**—For soybeans at least 8" high and when weeds do not exceed 2" in height, apply 1/2 to 1 pint 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 pints per acre. Alternatively make a split application of 1 pint per acre followed by a second application at the same rate after 1 week or later.

**"Lorox" L + 2,4-DB**—For soybeans at least 8" high and when weeds do not exceed 4" in height, apply 1 pint "Lorox" L plus 1.5 pint 2,4-DB (13 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.

\*Products containing alachlor are restricted use pesticides.

## 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 pints "Lorox" L 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 Union Carbide Agricultural Products 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, "Dual" 8E contains 8 lbs. metolachlor per gal.
- 3 Registered trademark of Monsanto Company, "Lasso" 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% W.P. oryzalin, "Surflan" AS contains 4 lbs. oryzalin per gal. "Treflan" contains 4 lbs. trifluralin per gal.
- 7 Registered trademark of Rhone-Poulenc Inc., "Butoxone" contains 1.75 lbs. dimethylamine salt and 2 lbs. isooctyl ester of 2,4-DB per gal.
- 8 Registered trademark of Westvaco Corporation
- 9 Registered trademark of ICI United States, Inc.

## STORAGE AND DISPOSAL

**STORAGE:** Keep from freezing. 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.

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# LOROX L

## 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.

DuPont will not be responsible for losses or damages resulting from use of this product in any manner not specifically recommended by DuPont. Some loss or injury may be associated with such nonrecommended use. Do not use this product in California, except carrots when a permit has been obtained from the Agricultural Commission.

### GENERAL INFORMATION

DuPont Lorox L Herbicide is a liquid suspension to be mixed in water and applied as a spray for selective control of weeds in certain crops and for nonselective weed control on non-cropland areas. It is noncorrosive to equipment, nonflammable and nonvolatile. For field corn, potatoes, sugarcane and sweet peas, Lorox L is recommended for use in conjunction with certain other herbicides. Observe all cautions and limitations on labeling for products used in mixtures.

### NOTICE OF WARRANTY

DuPont warrants that this product conforms to the chemical description on the label thereon and is reasonably fit for the purposes stated thereon when used in accordance with the directions on the label. It does not warrant that it will not cause injury to crops, plants, animals or property, or that it will not cause injury to equipment, or that it will not cause injury to persons. Injury to crops, plants, animals or property, or injury to equipment, or injury to persons may result from use of this product under such conditions as weather, conditions, presence of other materials, or the manner, time or application, all of which are beyond the control of DuPont. No use shall DuPont be liable for injury to crops, plants, animals or property, or injury to equipment, or injury to persons, or for damages resulting from the use of this product. All such risks shall be assumed by the user. DUPONT 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	—
SUGARCANE	Southwest and Great Plains	United States
SWEET PEAS	United States	United States

\*Postemergence use only.

### NON-CROP WEED CONTROL

- ROADSIDES
- FENCE ROWS

### STORAGE AND DISPOSAL

**STORAGE.** Keep from freezing. Store product in original container tightly 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 by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SHAKE WELL BEFORE USING. KEEP FROM FREEZING.

ACTIVE INGREDIENT

INERT INGREDIENTS

CONTAINS 4.5% OF ACTIVE INGREDIENT

40.7  
59.3

Keep out of reach of children  
PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION! HARMFUL IF SWALLOWED.**

Avoid breathing spray mist. Avoid contact with skin, eyes and clothing.

STATEMENT OF PRACTICAL TREATMENT

If inhaled: Remove person to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call your physician.

If swallowed: Drink plenty of water. Do not induce vomiting unless directed to do so by a physician. If symptoms persist, call your physician.

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

ENVIRONMENTAL HAZARDS

MATERIAL

GENERAL INFORMATION

Soil Organic Matter Content

Soil Texture

Rate

Area to be Treated

DIRECTIONS FOR USE

CROP USES

ASPARAGUS

CALIFORNIA (Includes control of dudain melon and nightshade)

Direct Seeded or Newly Planted Crops—Apply 1.5 to 2.0 quarts per acre at the time of planting.

Preemergence Application—Mix 1.5 to 2.0 quarts per acre with 100 to 150 gallons of water and apply to the soil surface before planting.

Postemergence Application—Mix 1.5 to 2.0 quarts per acre with 100 to 150 gallons of water and apply to the soil surface.

Established Beds—Apply 1.5 to 2.0 quarts per acre to the soil surface between rows of plants.

Preemergence Application—Mix 1.5 to 2.0 quarts per acre with 100 to 150 gallons of water and apply to the soil surface before planting.

Postemergence Application—Mix 1.5 to 2.0 quarts per acre with 100 to 150 gallons of water and apply to the soil surface.

Directed Postemergence Application (Fern Stage)—Mix 1.5 to 2.0 quarts per acre with 100 to 150 gallons of water and apply to the soil surface.

Note: Do not apply to plants that are stressed or have been damaged by frost or other factors.

CARROTS

Preemergence Application—Florida, Michigan and Wisconsin—Mix 1.5 to 2.0 quarts per acre with 100 to 150 gallons of water and apply to the soil surface before planting.

Postemergence Application—U.S.—Apply 1.5 to 2.0 quarts per acre to the soil surface between rows of plants.

Note: Do not apply to plants that are stressed or have been damaged by frost or other factors.

Note: Do not apply to plants that are stressed or have been damaged by frost or other factors.

CELERY

East of Rocky Mountains—Post transplant Application—Mix 1.5 to 2.0 quarts per acre with 100 to 150 gallons of water and apply to the soil surface.

Note: Do not apply to plants that are stressed or have been damaged by frost or other factors.

CORN (FIELD)

Preemergence Application—East of Rocky Mountains—Mix 1.5 to 2.0 quarts per acre with 100 to 150 gallons of water and apply to the soil surface before planting.

	Product Per Acre	
	1 to 3% Organic Matter	3 to 8% Organic Matter
Soil Texture		
Coarse	1.5	1.5
Medium	1.5	1.5
Fine	1.5	1.5
Replanting	1.5	1.5

Corn in Rows

	Pints Per Acre	
	1 to 3% Organic Matter	3 to 8% Organic Matter
Soil Texture		
Coarse	1.5	1.5
Medium	1.5	1.5

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Partial Control

Lurex L Hexazine

Product Per Acre

1 to 2% Organic Matter      2 to 5% Organic Matter

Soil Texture	Coarse	Medium	Fine
Replanting			

CORN (FIELD AND SWEET)

**Directed Postemergence Application**—This herbicide is effective against many of the most troublesome weeds in corn. It is applied after the corn has emerged and before the weeds have emerged. It is applied in a directed manner, avoiding the corn plants. It is applied in a single application, and the corn is not replanted for 30 days after application. It is applied in a single application, and the corn is not replanted for 30 days after application.

COTTON

**Directed Postemergence Application—East of Rocky Mountains**—This herbicide is effective against many of the most troublesome weeds in cotton. It is applied after the cotton has emerged and before the weeds have emerged. It is applied in a directed manner, avoiding the cotton plants. It is applied in a single application, and the cotton is not replanted for 30 days after application.

PARSNIPS

**Preemergence Application**—This herbicide is effective against many of the most troublesome weeds in parsnips. It is applied before the parsnips have emerged. It is applied in a single application, and the parsnips are not replanted for 30 days after application.

POTATOES

**Preemergence Application**—This herbicide is effective against many of the most troublesome weeds in potatoes. It is applied before the potatoes have emerged. It is applied in a single application, and the potatoes are not replanted for 30 days after application.

DIRECTIONS FOR USE

East of Rocky Mountains	Product Per Acre	
1 to 3% Organic Matter	3 to 5% Organic Matter	
Soil Texture	Coarse	Medium

SORGHUM

Product Per Acre	1 to 3% Organic Matter	3 to 5% Organic Matter
Soil Texture	Coarse	Medium
Replanting		

POSTEMERGENCE USE

FERTILIZER SPRAY MIXTURES

EQUIPMENT SPRAY VOLUMES AND PRESSURES

NOTE



Soil texture  
Coarse  
Medium

Replanting

Labels: Surtien + Paraquat or Roundup

Product Per Acre  
10.3 Organic Matter

Cultivation after planting

Soil texture  
Coarse  
Medium

Replanting

Medium

Product Per Acre  
10.3 Organic Matter

Note  
Paraquat Combinations

Soil texture  
Coarse

Roundup Combinations

Medium

Branco Combinations

Fine

Note

**SOYBEANS**  
Directed Postemergence Application

Product Per Acre  
10.3 Organic Matter

Soil texture  
Coarse

NOTE

Medium

Replanting

Soil texture  
Coarse

Medium

Fine

Note

Product Per Acre  
10.3 Organic Matter

Soil texture  
Coarse

Medium

Fine

Replanting

Soil texture  
Coarse

Medium

Fine

Replanting

**SOYBEANS**  
Pre-emergence Application

**NON-CROP WEED CONTROL**

**STORAGE AND DISPOSAL**

STORAGE  
DISPOSAL

NOTICE OF WARRANTY

**BEST AVAILABLE COPY**



Continued from opposite side

**Directed Postemergence Application**—Apply to the soil surface in the row between the plants. Do not apply to the plants. Do not apply to the soil surface in the row with the plants. Do not apply to the soil surface in the row with the plants.

Note

**SOYBEANS**

**Preemergence Application**

Apply to the soil surface in the row between the plants. Do not apply to the plants. Do not apply to the soil surface in the row with the plants. Do not apply to the soil surface in the row with the plants.

Product Per Acre  
to 2 Organic Matter to 5 Organic Matter

Soil Texture  
Coarse

Medium

Fine

Note

Replanting

Soil Texture

Coarse

Medium

Fine

Replanting

Soil Texture

Coarse

Medium

Fine

Replanting

Soil Texture

Coarse

Medium

Fine

Replanting

Soil Texture

Coarse

Medium

**SOYBEANS**

**Preemergence Followed by Postemergence (Directed) Application**—Apply to the soil surface in the row between the plants. Do not apply to the plants. Do not apply to the soil surface in the row with the plants. Do not apply to the soil surface in the row with the plants.

**Annual morningglory**—Apply to the soil surface in the row between the plants. Do not apply to the plants. Do not apply to the soil surface in the row with the plants. Do not apply to the soil surface in the row with the plants.

**Broadleaf signalgrass**—Apply to the soil surface in the row between the plants. Do not apply to the plants. Do not apply to the soil surface in the row with the plants. Do not apply to the soil surface in the row with the plants.

**Cocklebur (common)**—Apply to the soil surface in the row between the plants. Do not apply to the plants. Do not apply to the soil surface in the row with the plants. Do not apply to the soil surface in the row with the plants.

**Hemp sesbania**—Apply to the soil surface in the row between the plants. Do not apply to the plants. Do not apply to the soil surface in the row with the plants. Do not apply to the soil surface in the row with the plants.

**Prickly sida**—Apply to the soil surface in the row between the plants. Do not apply to the plants. Do not apply to the soil surface in the row with the plants. Do not apply to the soil surface in the row with the plants.

**velvetleaf**—Apply to the soil surface in the row between the plants. Do not apply to the plants. Do not apply to the soil surface in the row with the plants. Do not apply to the soil surface in the row with the plants.

**Other weeds**—Apply to the soil surface in the row between the plants. Do not apply to the plants. Do not apply to the soil surface in the row with the plants. Do not apply to the soil surface in the row with the plants.

Product Per Acre  
to 2 Organic Matter to 5 Organic Matter

**SOYBEANS**

**Minimum or No Tillage**

Apply to the soil surface in the row between the plants. Do not apply to the plants. Do not apply to the soil surface in the row with the plants. Do not apply to the soil surface in the row with the plants.

Soil Texture

Coarse

Medium

Fine

Replanting

Soil Texture

Coarse

Medium

Fine

Replanting

Soil Texture

Coarse

Medium

Fine

Replanting

Soil Texture

Coarse

Medium

Fine

Replanting

Soil Texture

Coarse

Medium

Fine

Replanting

Soil Texture

Coarse

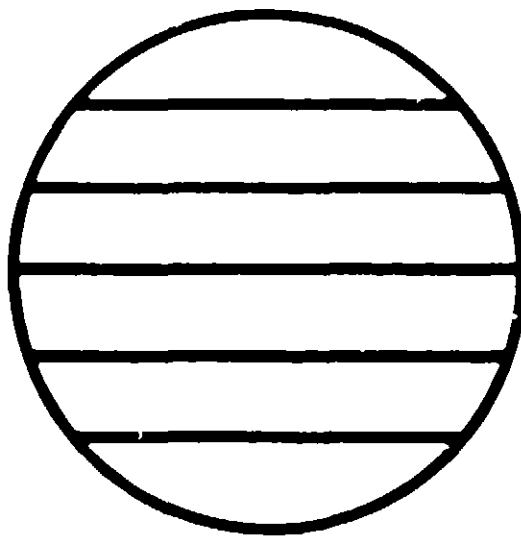
Medium

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DU PONT

Lorox® L

HERBICIDE



TRADE MARK

ACCEPTED

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
this product has been found to  
be effective under  
EPA Reg. No. \_\_\_\_\_

LIQUID SUSPENSION

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# Lorox® L HERBICIDE

SHAKE WELL BEFORE USING • KEEP FROM FREEZING

**ACTIVE INGREDIENT:**

Linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea)

**INERT INGREDIENTS:**

Contains 4 lbs Linuron Per Gallon

40

5

**Keep out of reach of children  
PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

## CAUTION! HARMFUL IF SWALLOWED.

Avoid breathing spray mist. Avoid contact with skin, eyes and clothing.

### 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 to 2 quarts of water and induce vomiting if possible. Do not induce vomiting if you are unconscious. Do not use ipecac.

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

### ENVIRONMENTAL HAZARDS

Do not apply to rivers, water, or wetlands. Do not contaminate water, including equipment or drainage, with

**IMPORTANT—** Always wear a lead and spraying wear a wide-brimmed hat and forearm-length chem. gloves at all times and one pair of shoes which have no heels and no spurs. Clothing 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 kept and stored in a dry place. Clothing which has been drenched or has otherwise absorbed concentrated pesticide must be disposed in a sanitary landfill, 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 Tashenberg 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, or lawns, tennis courts, or similar areas. Prevent drift or 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 L from applicator equipment immediately after use. Flush tank, pump, hoses, and boom with several gallons of water after removing nozzle tips and screens. Clean these parts separately.

### STORAGE AND DISPOSAL

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

**DISPOSAL:** Do not contaminate water. Do not use just before disposal. Wastes resulting from the use of this product may be disposed of only 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 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, infertility 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.**

## GENERAL INFORMATION

Du Pont Lorox™ L Herbicide is a liquid suspension to be mixed in water and applied as a spray for selective control of weeds in certain crops and for nonselective weed control on noncropland areas. It is noncorrosive to equipment, nonflammable and nonvolatile.

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

Lorox™ L may be sprayed postemergence over plants of melon and asparagus (before or after cutting and to small ferns), carrots (at least tubers and celery (transplants) to effectively control susceptible emerged seedling weeds.

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

Lorox™ L may be applied to soil prior to emergence of weeds to control susceptible weed seedlings for an extended period of time; the length of control and duration of effect will vary with soil conditions.

**Soil Organic Matter Content**—High organic matter requires higher dosages than low organic matter for equivalent herbicide performance. Best results accompany preemergence use of Lorox™ L on soils of 1.0% to 3% organic matter. The combination of Lorox™ L plus Du Pont Loxone™ DF herbicide (or Du Pont Loxone™ 40 Herbicide) provides most effective preemergence weed control on soils from 1.0 to 4.0% organic matter content.

**Soil Texture**—For clay content requires higher application rates than those with less clay. Best results accompany preemergence use of Lorox™ L on coarse to medium soils.

**Rainfall**—Moisture is required to activate the chemical. In a wind preemergence application to soil, best results accompany rainfall (or irrigation) that occurs within 2 weeks of application in the Columbia River Basin; use Lorox™ L 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™ L 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™ L varies with soil, crop, variety, uniformity of application, and environmental conditions, it is suggested that growers limit their first use to small areas.

**PREEMERGENCE USE** (Germinating Weeds) Lorox™ L, at recommended rates, controls annual weeds such as:

	Broadleaves	Grasses
Florida beggarweed	Mustards	Barnyardgrass
Carpetweed	Nettleleaf goosefoot	(watergrass)
Chickweed	Flowers	Canarygrass
Common dayflower	Purslane (common)	Crabgrasses
Florida purslane	Wild radish	Foxtails
(Florida pusley)	Pigweed (common)	(including giant)
Galinsoga	Smartweed	Goosegrass
Lamb quarters	(Pennsylvania)	Fall panicum
	Partial Control	
Cocklebur (common)		
Annual morningglory		
Prickly sida (teaweed)		
Sicklepod		
Velvetleaf (buttonweed)		

Lorox™ L will not control established perennials such as bermudagrass, Canada thistle, field bindweed, johnsongrass and purple nutsedge. The lower dosage rates are effective on coarse 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 soil) 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™ L 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™ L 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™ L 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™ L 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™ L.

**Note:** Consult Amben™, atrazine, Bronco™, Dual™, 8E™, Lasso™, paraquat, propazine, Prowl™, Ramrod™, Roundup™, Surflan™, and Treflan™ labels for additional weeds controlled when Lorox™ L is used in conjunction with these herbicides.

**POSTEMERGENCE USE** (Emerged Seedling Weeds) Lorox™ L, at recommended rates, controls weeds such as:

	Broadleaves	Grasses
Annual morningglory	Lambquarters	Annual ryegrass
Carpetweed	Mustards	Barnyardgrass
Cocklebur (common)	Nettleleaf goosefoot	(watergrass)
Common dayflower	Pigweeds	Broadleaf
Common ragweed	Prickly sida	signalgrass
Dog fennel	(teaweed)	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 emerged 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™ L. Application will also provide control of emerging susceptible weed seedlings for an extended period of time.

**Note:** Consult bromoxynil, Butoxone™ and Butyrac™ 200 labels for additional weeds controlled when Lorox™ L 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" L Herbicide should be used only in accordance with recommendations on this label, or in separate published DuPont 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.

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

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

Fill tank 1/4 full with water. Start agitation system, add "Lorox" L, 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, nonpreture nitrogen or fertilizer solution may be added in the spray mixture unless otherwise directed. Small quantities should be tested for compatibility by the following procedure before full scale mixing.

1. Put 1 pint of fertilizer solution in a quart jar.
2. Mix 2 teaspoons "Lorox" L with 2 tablespoons of water, mix thoroughly and add to fertilizer solution.
3. Close jar and shake well.
4. 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" L fertilizer mixture.
5. Close jar and shake well.
6. Watch mixture for several seconds, check again in 30 minutes.
7. If mixture does not separate, foam, gel, or become lumpy, it may be used.
8. Mixing ability may be improved by adding compatibility agents such as Kael Laboratories' "Complex" or Wilco 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" L 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" L (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 desaps 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, heavy sand, gravelly soils or exposed subsoils nor on soils containing less than 1% organic matter as injury to the treated or subsequent crop may result.

**REPLANTING:** If initial seeding fails to produce a stand, crops registered for the rate of "Lorox" L that has been applied may be replanted into the treated area. Thoroughly rework soil before replanting. Do not retreat during the same crop year as injury to the crop may result.

**CROP ROTATION RECOMMENDATIONS:** Unless otherwise directed, any crop may be planted after 4 months except for cereals where only barley, oats, rye and wheat may be planted.

West of 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.

## CROP USES

### ASPARAGUS

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

**Direct Seeded or Newly Planted Crowns—**Do not exceed 4 pints 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 pints per acre after planting seed 1" 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 15 lbs per acre of crop with 20" row spacing).

**Postemergence Application:** Make 1 or 2 applications of 1 to 2 pints 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 pints 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 pints per acre.

**Postemergence Application:** Make 1 to 4 applications of 1 to 2 pints 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 pints per acre as a directed spray to base of plants for control of dudain melon.

**Note:** If more than 4 pts "Lorox" L 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 pints per acre in Florida and 1 to 2 pints per acre in Michigan and Wisconsin, apply after planting but before carrots emerge, plant seed at least 1 1/2" deep. Use the lower rate on lighter soils (low in clay or organic matter) and higher rate on heavier soils (high in clay or organic matter). Subsequent postemergence application may be made provided the total does not exceed 4 pints "Lorox" L per acre per season.

**Postemergence Application—U.S.:** Apply 1 to 3 pints 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 7" in height. Repeat application may be made but do not exceed 4 pints "Lorox" L per acre (West of Rocky Mountains, do not exceed 3 pints "Lorox" L per acre). Do not exceed 40 psi spray nozzle pressure as crop injury may result.

"Lorox" L may be applied following an application of 1 to 1 1/2 pints per acre provided treatments are at least one day apart. Standard solvent may be added following application of "Lorox" L provided treatments are at least 2 weeks apart. 1 1/2" after time intervals between applications may result in injury to the crop. Do not apply "Lorox" L as a tank mixture with herbicides, surfactants, nitrogen or fertilizer. Do not apply other pesticides when temperature exceeds 85° F. prior to application as a tank mixture to prevent crop injury.

**Note:** Because carrot varieties vary in their resistance to nematodes, consult "Lorox" L prior to application as a tank mixture to prevent crop injury. Do not treat susceptible varieties with "Lorox" L as a tank mixture of foliar following: 1) preemergence treatment with "Lorox" L or other herbicide-treated; 2) nematode control with 40 psi spray nozzle treatments; 3) treatment with other nematode control agents.

# CELERY

**East of Rocky Mountains—Post-transplant Application.** Make a single application of 1 to 1 1/2 pints 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 soil.

Do not exceed 40 psi spray nozzle pressure, and do not apply when temperature exceeds 85° F. nor as a tank mixture with surfactants, nitrogen or fertilizer, scabicide, or other pesticides as injury to the crop may result. Do not replant to crop 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 1/2" deep on flat or raised seedbeds and, or injury to the crop may result. Do not spray over top of emerged corn.

"Lorox" L at 1/2 to 1 pint per acre tank mixed with standard registered herbicide for corn controls triticale-resistant lambsquarters on soils of 1 to 4% organic matter east of the Rocky Mountains.

## "Lorox" L + "Lasso"

Soil Texture	Product Per Acre	
	1 to 3% Organic Matter "Lorox" L + "Lasso" (4 lbs/gal)	3 to 6% Organic Matter "Lorox" L + "Lasso" (4 lbs/gal)
<b>Coarse</b> Sandy loam	1 to 1 1/2 + 1 to 1 1/2	1 to 2 + 1 to 1
<b>Medium</b> Loam, Silt loam, Silty loam, clay, sandy clay loam	1 to 1 + 1 to 1	1 to 1 1/2 + 1 to 1 1/2
<b>Fine</b> Silty clay, Silty clay loam, clay, clay loam	1 to 2 + 1 to 1 1/2	2 to 3 + 2 to 1 1/2

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

## "Lorox" L + "Ramrod"

Soil Texture	Pints Per Acre	
	1 to 3% Organic Matter "Lorox" L + "Ramrod" (4 lbs/gal)	3 to 6% Organic Matter "Lorox" L + "Ramrod" (4 lbs/gal)
<b>Coarse</b> Sandy loam	1 to 1 1/2 + 1 to 2	1 to 2 + 2 to 3
<b>Medium</b> Loam, Silt loam, Silty loam, clay, sandy clay loam	1 to 1 + 2 to 2	1 to 2 + 3 to 3
<b>Fine</b> Silty clay, Silty clay loam, clay, clay loam	1 to 2 + 2 to 2	2 to 3 + 3 to 3

**Replanting:** Corn may be replanted within 4 months after 4 months see "Replanting"

## "Lorox" L + atrazine—

For improved control of annual grasses, add "Lasso" as recommended on "Lasso" labeling for "Lasso" atrazine combinations

Soil Texture	Product Per Acre	
	1 to 2% Organic Matter "Lorox" L + atrazine 80% (6 lbs)	2 to 5% Organic Matter "Lorox" L + atrazine 80% (6 lbs)
<b>Coarse</b> Sandy loam	1 to 1 + 1 to 1	1 to 2 + 2 to 1 1/2
<b>Medium</b> Loam, Silt loam, Silty loam, clay, sandy clay loam	1 to 1 1/2 + 1 to 1 1/2	1 to 2 + 1 to 1 1/2
<b>Fine</b> Silty clay, Silty clay loam, clay, clay loam	1 to 1 1/2 + 1 to 1 1/2	1 to 3 + 1 to 2

**Replanting:** Corn may be replanted within 6 months after 6 months 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 1½ to 3 pints 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 1½ pints 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 pints 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 1½ to 3 pints 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 1.2" deep. Do not spray over top of emerged potatoes. If beds are to be "dragged" and/or "hilled," apply after the final "dragging" or "hilling" operation. Apply before grasses are 2" tall and before broadleaf weeds are 1" 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 1½ to 2½ pints per acre on the coarser soils (sandy loams, silt loams, 1 to 2% organic matter) and 2½ to 4 pints per acre on finer soils (silt, clay loams, 2 to 5% organic matter) on soils over 5% organic matter, use 4 pints per acre and apply to emerged weeds (before potatoes emerge).

**Wisconsin—Central Sands Area:** Apply 1 pint per acre on sands and 2 pints per acre on loamy sands.

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

Soil Texture	Product Per Acre			
	1 to 3% Organic Matter "Lorox" L + "Dual" 8E (pts)		3 to 5% Organic Matter "Lorox" L + "Dual" 8E (pts)	
<b>Coarse</b> Sandy loam	1 to 1½	+ 1½	1½ to 2	+ 2
<b>Medium</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1½ to 2	+ 2	2 to 2½	+ 2½ 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" L + propazine—Southwest**

Soil Texture	Product Per Acre			
	1 to 2% Organic Matter "Lorox" L + propazine (pts)		2 to 4% Organic Matter "Lorox" L + propazine (lbs)	
<b>Coarse</b> Sandy loam	½ to 1	+ ½ to 1	1 to 1½	+ 1 to 1
<b>Medium</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 1½	+ 1 to 1	1 to 2	+ ½ to 1

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



"Lorox" L + "Ramrod"—Great Plains

Soil Texture	Plints Per Acre	
	1/2 to 3% Organic Matter "Lorox" L + "Ramrod" (pts) (4 lbs/gal)	3 to 6% Organic Matter "Lorox" L + "Ramrod" (pts) (4 lbs/gal)
<b>Coarse</b> Sandy loam	1 1/2 to 1 + 1 1/2 to 2 1/2	1 1/2 to 2 + 2 1/2 to 3 1/2
<b>Medium</b> Silt loam, silty loam, silty clay loam, sandy clay loam	1 1/2 to 1 + 2 1/2 to 3	1 1/2 to 2 + 3 1/2 to 5
<b>Fine</b> Silt, silty clay, silty clay loam, Clay, Clay loam	1 1/2 to 1 + 2 1/2 to 3	2 to 3 + 3 1/2 to 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, see "Replanting".

**Directed Postemergence Application:** Make a single application of "Lorox" L as a directed spray. Add 1 pt of Surf-tant WK for each 25 gals spray mixture if sprayer is equipped with skirts. Apply directed spray on sorghum 12" tall (free standing plants) and weeds are up to 2" in height. Use 1 to 2 pints per acre when sorghum is 15" tall and weeds are 2" to 4" in height. If broadcast application is used, apply 1 to 2 pints per acre when sorghum is at least 18" tall and weeds are 2" to 4" in height. Apply only when there is sufficient 1" difference 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—CONVENTIONAL TILLAGE**

**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 emergence. Plant seed at least 1" 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" L + "Lexone" DF

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 buckebur.

Soil Texture	Product Per Acre	
	1.2 to 3% Organic Matter "Lorox" L + "Lexone" DF (pts) (4 lbs/gal)	3 to 6% Organic Matter "Lorox" L + "Lexone" DF (pts) (4 lbs/gal)
<b>Coarse</b> Sandy loam	1 1/2 to 1 + 1 1/2 to 2 1/2 or ("Lexone" 4L—1 1/2 to 1 pt)	1 1/2 to 2 + 2 1/2 to 3 1/2 or ("Lexone" 4L—1 1/2 to 1 pt)
<b>Medium</b> Loam, Silty loam, Silt, Sandy clay, Sandy clay loam	1 1/2 to 1 + 1 1/2 to 2 1/2 or ("Lexone" 4L—1 1/2 to 1 pt)	1 1/2 to 2 + 2 1/2 to 3 1/2 or ("Lexone" 4L—1 1/2 to 1 pt)
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/2 to 1 + 1 1/2 to 2 1/2 or ("Lexone" 4L—1 1/2 to 1 pt)	1 1/2 to 2 + 2 1/2 to 3 1/2 or ("Lexone" 4L—1 1/2 to 1 pt)

For improved control of annual grasses, tank mix with "Lasso" or "Dual" (per labeling).

**Herbicide Recropping Restrictions**

**"Lasso"** Soybeans or field corn may be replanted within 4 months; after 4 months, see "Replanting". Treated vines may be grazed or fed to livestock 40 days after application.

or

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

**Note:** Soybean varieties such as Altona, Coker 102 and 156, Guyan, NKS 1884, Sunnies, Truly, Vandy, Terra Vig 505 and 606, Aqripro 55, Asgrow 6529, Maple Amber, Portage, Vinton 81, and AP 71 are tolerant 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, Hisey 170, Lakota, Lawrence, LCL 4237, 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.

**Replanting:** If initial seeding fails to produce a stand, treated fields may be replanted to soybeans; do not rework soil; do not retreat fields 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" L\***

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

\*For improved control of annual grasses, add as per the following labeling

**Herbicide Recropping Restrictions**

- "Lasso" Soybeans or field corn may be replanted within 4 months; after 4 months, see "Replanting."
- or
- "Dual" Soybeans or field corn may be replanted within 4 months; for rotation crops, see "Replanting" and follow instructions on "Dual" label. Do not graze or feed forage from treated areas to livestock.
- or
- "Prowl" Soybeans or field corn may be replanted within 4 months; crops listed in "Replanting" may be planted the following year.
- or
- "Surlflan" Soybeans may be replanted within 4 months; after 4 months, see "Replanting" but do not plant potatoes within 12 months. Do not use treated vines for feed or forage.
- or
- "Amiben" Soybeans or field corn may be replanted within 4 months; after 4 months, see "Replanting."

For control of black nightshade, apply:

Soil Texture	Product Per Acre	
	"Lorox" L (pts)	Lasso (gts)
<b>Coarse</b> Sandy loam	1 1/4 to 1 1/2	2
<b>Medium</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 1 1/4	2 1/2 to 3
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 2	3

Do not use on sand or loamy sands

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

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

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

**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" L preemergence (after planting and before emergence of soybeans) as a separate operation using rates recommended below for "Lorox" L alone. For rotation crops, follow instructions on "Treflan" or "Prowl" labels and see "Replanting." Plant seed at least 1 1/2" deep on flat or raised seedbeds. Only or nearly to the crop may result if injury to soybeans may result if application is made to fields with standing water or fields too wet to cultivate. Do not spray over fields planted to soybeans. Do not use on sand or loamy sand nor any soil containing less organic matter than listed below.

\*"Lorox" L alone: Weeds have emerged, add 1 p pint Surfactant WK for each 25 gals spray mixture

Soil Texture	Pints "Lorox" L Per Acre	
	1/2 to 2% Organic Matter	2 to 5% Organic Matter
<b>Coarse</b> Sandy loam	1 to 1 1/4	1 1/2 to 3
<b>Medium</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 1/4 to 2 1/4	2 1/2 to 4
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/4 to 2 1/4	2 1/2 to 5 (see "Lasso" label for 5 pts)

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

**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 L preemergence (any combination listed) followed by a directed postemergence spray of "Lorox" L + 2-4 DB

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

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

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

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

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

**Other weeds**—Directed postemergence application of "Lorox" L should be used as a backup treatment for listed preemergence treatments and will increase 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

**Preemergence to Soybeans Postemergence to Weeds:** Lorox L 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 returned bed (stale seed bed) or after 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" L Alone

	Pints "Lorox" L Per Acre	
	1/2 to 2% Organic Matter	2 to 5% Organic Matter
<b>Coarse</b> Sandy loam	1 to 1 1/2	1 1/2 to 3
<b>Medium</b> Loam, Silt loam, Silty loam, Clay, Sandy clay loam	1 1/2 to 2	2 to 4
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/2 to 2	2 to 5 <small>(with granular surfactant)</small>

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

If small seedling weeds are present, add 1 pint Surfactant WK for each 25-gal 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" L + "Lasso" or "Dual" 8E or "Surflan"**—will improve control of grasses and volunteer small grains.

**"Lorox" L + "Lasso" (or "Dual" or "Surflan") + Paraquat or "Roundup"**—Thoroughly mix "Lorox" L and companion herbicide 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 L + Lasso* (qt/s)	3 to 6% Organic Matter Lorox L + Lasso* (qt/s)
<b>Coarse</b> Sandy loam	1 1/2 to 2 + 2	1 1/2 to 2 + 2 1/2
<b>Medium</b> Loam, Silt loam, Silty loam, clay, Sandy clay loam	1 1/2 to 2 + 2 1/2	2 to 3 + 3
<b>Fine</b> Silty clay, Silty clay loam, Clay, Clay loam	1 1/2 to 2 + 2 1/2	2 + to 3 1/2 + 3

\*For improved control of annual grasses and volunteer small grains, add as per labeling.

#### Herbicide Recropping Restrictions

**"Lasso"** or

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

**"Dual"** or

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

**"Surflan"**

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

For control of black nightshade apply with paraquat or "Roundup" as shown below:

Soil Texture	Product Per Acre 1 to 3% Organic Matter	
	"Lorox" L (pts)	Lasso <sup>®</sup> (gts)
<b>Coars</b> Sandy loam	1 1/2 to 1 3/4	2
<b>Medium</b> Loam, Silt loam, Silt Sand, Clay, Sandy clay loam	1 1/2 to 2	2 1/2 to 3
<b>Fine</b> Silt clay, Silt clay loam, Clay, Clay loam	1 1/2 to 2 1/4	3

Replanting: Soybeans or field corn may be replanted within 4 months after 4 months see Replanting

**Paraquat Combinations**—Spray at 1000 to 1500 gals water/acre of the above treatments, then add 1 to 2 1/2 pints paraquat (2 lbs active per gal) for control of emerged weeds. Use that rate for weeds 4 to 6" tall. As the last ingredient add 1/2 pint Surfactant WK or "Dome" X-77 Spreader per 100 gals of spray mixture. Maintain constant agitation. Use 20 to 30 gals of water per acre. Use the higher rate 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.

**"Lorox" L + "Bronco"**—Do not add paraquat or "Roundup" to this combination.

Mix "Lorox" L 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.

Soil Texture	Product Per Acre 1% to 5% Organic Matter	
	Lorox L (pts)	Bronco <sup>®</sup> (gts)
<b>Coarse</b> Sandy loam	1 1/2 to 2	3 1/2 to 5
<b>Medium</b> Loam, Silt loam, Silt Sand, Clay, Sandy clay loam	1 1/2 to 2 1/4	4 to 5
<b>Fine</b> Silt clay, Silt clay loam, Clay, Clay loam	1 1/2 to 3	4 to 5

a. Do not use on soils with less than 1% 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 6 months after treatment as injury to subsequent crops may result. See Replanting.

## SOYBEANS—CONVENTIONAL OR MINIMUM OR NO-TILLAGE

**Directed Postemergence Application:** Apply "Lorox" L alone or as a tank mixture with 2,4-DB 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 ending shoe or gauge wheel. For band treatment, use two nozzles per row mounted on an ending shoe or gauge wheels, one clear inside of row. To avoid spray drift, which may cause crop injury, do not exceed nozzle pressure of 25 psi or use nozzles smaller than E-62 T-Jet (or equivalent) and do not spray under windy conditions. Add 1 pint Surfactant WK for each 25 gals spray mixture. For herbicide use as preemergence treatment, such as "Lorox" L or cultivation to control early weed growth and then treat the difference between the 2 herbicides and weeds.

**NOTE:** Do not use on soils with less than 1.2% organic matter. Do not apply more than 2 pints "Lorox" L 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" L Alone**—For soybeans at least 8" high and when weeds do not exceed 2" in height, apply 1 1/2 to 1 pint 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 pints per acre. Alternatively, make a split application of 1 pint per acre followed by a second application at the same rate after 1 week or later.

**"Lorox" L + 2,4-DB**—For soybeans at least 8" high and when weeds do not exceed 4" in height, apply 1 pint "Lorox" L plus 1.5 pint 2,4-DB (13.1 oz Butylate) 200 or 1 pint Butylate 1 per acre. A second application may be made if needed, but do not make more than 2 applications per season.

## NONCROP WEED CONTROL

For short-term control of annual weeds on non-cropland areas such as roadsides and fence rows—apply 2 to 6 pints "Lorox" L 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 6" in height.

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

1. Registered trademark of Chemagro Corporation, Agriculture Products Company, Inc. Amben contains 2 lbs. chlofentepril per gal. Butyrac 200 contains 2 lbs. 2,4-DB per gal.
2. Registered trademark of Ciba-Geigy Corporation, Ciba, HE contains 8 lbs. methachlor per gal.
3. Registered trademark of Monsanto Company, Alachlor contains 4 lbs. alachlor per gal. Rivaldip contains 4 lbs. dieldrin per gal. Erucoid contains 2.6 lbs. alachlor and 1.04 lbs. glyphosate per gal. Flamit contains 2 lbs. glyphosate per gal. Products containing alachlor are restricted-use pesticides.
4. Paraquat contains 2.54 lbs. paraquat dichloride, a restricted-use pesticide.
5. Registered trademark of Amchem Corporation, Growl contains 4 lbs. pendimethalin per gal.
6. Registered trademark of E.I. du Pont de Nemours and Company, Sulfam 75W contains 75% W.P. oryzalin. Sulfam A contains 4 lbs. oryzalin per gal. Treflan contains 4 lbs. trifluralin per gal.
7. Registered trademark of Amchem Corporation, Mowdown contains 1.75 lbs. dimethylamine salt and 10 lbs. chlofentepril per gal.
8. Registered trademark of Amchem Corporation.
9. Registered trademark of Amchem Corporation.

DRAFT

DU PONT "LOROX" L

HERBICIDE  
LIQUID SUSPENSION

Contains 4.5 lbs. Linuron Per gallon.

ACTIVE INGREDIENT	BY WEIGHT
Linuron [1-(3,4-dichlorophenyl)-1-methoxy-1-methylurea]	4.5000
INERT INGREDIENTS.....	1.5000
	TOTAL 6.0000

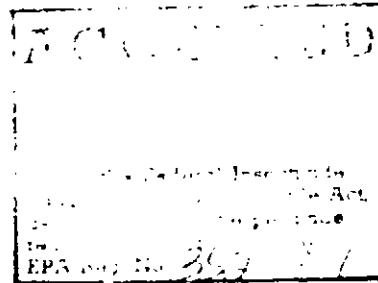
EPA Reg. No. 352-391

KEEP OUT OF REACH OF CHILDREN

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION! HARMFUL IF SWALLOWED.



Avoid breathing 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.

**IMPORTANT**--When mixing/loading and spraying wear a wide-brimmed hat, mid-torso 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, shrub or herbaceous plants, nor 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.

Do not apply aerially.

Thoroughly clean all traces of "Lorox" L from application equipment immediately after use. Flush tank, pump, hoses, and boom with several changes of water after removing nozzle tips and screens (clean these parts separately).

**GENERAL INFORMATION**

Du Pont "Lorox" L Herbicide is a liquid suspension to be mixed in water and applied as a spray for selective control of weeds in certain crops and for nonselective weed control on noncropland areas. It is noncorrosive to equipment, nonflammable and nonvolatile.

"Lorox" L is an effective preemergence treatment of soybeans, asparagus, bulbs, carrots, corn, hybrid poplar, parsnips, potatoes and sorghum for control of weeds listed below. "Lorox" L 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" L 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" L, 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" L may be applied to soil prior to emergence of weedseedling weeds.

"Lorox" L 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:

**Soil Organic Matter Content**--High organic matter requires higher dosages than low organic matter for equivalent herbicide performance. Best results accompany preemergence use of "Lorox" L on soils of 1/2% to 3% organic matter. The combination of "Lorox" L plus Du Pont "Lexone" L Herbicide (or Du Pont "Lexone" 4L Herbicide) 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" L 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 Columbia River Basin, use "Lorox" L 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" L 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" L varies with soils, crop varieties, uniformity of application, and environmental conditions, it is suggested that growers limit their first use to small areas.

**PREEMERGENCE USE (Germinating Weeds):** "Lorox" L, 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)

**Partial Control**

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

**Grasses**

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

"Lorox" L 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.

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"Lorox" L applied preemergence, before emergence of soybeans, asparagus, bulbs, 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" L 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" L 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" L 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" L.

Note: Consult "Amiben"[1], atrazine, "Bronco"[3], "Dual" L SE, "Eso"[3], paraquat[4], propazine, "Prowl"[5], "Ramrod"[3], "Roundup"[3], "Surflan"[6], and "Tritlan"[6] labels for additional weeds controlled when "Lorox" L is used in conjunction with these herbicides.

POSTEMERGENCE USE (Emerged Seedling Weeds): "Lorox" L, at recommended rates, controls weeds such as:

#### Broadleaves

- Annual morningglory
- Carpetweed
- Cocklebur (common)
- Common dayflower
- Common ragweed
- Dog fennel
- Fiddleneck (arsinckia)
- Florida beggarweed
- Florida purslane (Florida pusley)
- Groundsel
- Knawel
- Lambsquarters
- Mustards
- Nettleleaf goosefoot
- Pigweeds
- Prickly sida (teaweed)
- Purslane (common)
- Sesbania
- Sicklepod
- Smartweed (Pennsylvania)
- Velvetleaf (buttonweed)
- Wild buckwheat

**Grasses**

Annual ryegrass  
Barnyardgrass (watergrass)  
Broadleaf signalgrass  
Canarygrass  
Crabgrasses  
Fall panicum  
Foxtails (including giant)  
Goosegrass  
Rattail fescue  
Texas panicum

Results of postemergence treatment of emerged 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 degrees F or higher. Addition of a surfactant to the spray (where recommended) increases contact effects of "Lorox" L. Application will also provide control of emerging susceptible weed seedlings for an extended period of time.

Note: Consult bromoxynil, "Eutoxone" [1], and "Butyrac" [1] 200 [1], labels for additional weeds controlled when "Lorox" L is used in conjunction with these herbicides. Best results are obtained under conditions of high humidity and temperatures over 70 degrees 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" L 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 and **asparagus** when a permit has been obtained from the Agricultural Commission.

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

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 nonrecommended use.

Fill tank 1/4 full with water. Start agitation system, add "Lorox" L, 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:

1. Put 1 pint of fertilizer solution in a quart jar.
2. Mix 2 teaspoons "Lorox" L with 2 tablespoons of water; mix thoroughly and add to fertilizer solution.
3. Close jar and shake well.
4. 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" L fertilizer mixture.
5. Close jar and shake well.
6. Watch mixture for several seconds; check again in 30 minutes.
7. If mixture does not separate, foam, gel, or become lumpy, it may be used.
8. 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" L 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" L (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, crops registered for the rate of "Lorox" L that has been applied may be replanted into the treated area. Thoroughly rework soil before replanting. Do not retreat during the same crop year as injury to the crop may result.

**CROP ROTATION RECOMMENDATIONS:** Unless otherwise directed, any crop may be planted after 4 months except for cereals where only barley, oats, rye, and wheat may be planted.

**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 as injury may result.

#### CROP USES

##### ASPARAGUS

(California, Michigan, Minnesota, North Carolina, Oregon, Washington only)

**Direct Seeded or Newly Planted Crowns--**do not exceed 4 pints 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 pts 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"[8] or "Gro-Safe"[8]) as a 1" band on soil surface directly over seed rows at the rate of 300 lbs per acre (equivalent to 15 lbs per acre of crop with 20" row spacing).

**Postemergence Application:** Make 1 or 2 applications of 1 to 2 pts 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 4 pints 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 pints per acre.

**Postemergence Application:** Make 1 to 4 applications of 1 to 2 pints 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 pints per acre as a directed. Spray to base of plants for control of dudain melon.

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

In California, dudain melon and annual nightshade are controlled.

Preemergence weed control will be reduced in soils with high organic matter (greater than 1% and peat or muck.)

**BULBS (Tulip, Calla Lily, Daffodil, and Dutch Iris Only)**

#### California

After planting of bulbs, settle the soil with sprinkler irrigation (rainfall will serve the same purpose), then before emergence of plants (bulbs), apply 2 pints "Lorox" DF per acre in a minimum of 20 gallons of water per acre. Treat only once during the growing season.

**Note:** Unless other 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 crop may result. Do not reenter treated areas for 24 hours following application unless protective clothing is worn.

#### CARROTS

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

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**Postemergence Application--U.S.:** Apply 1 1/2 to 3 pints 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 pints "Lorox" L per acre. West of Rocky Mountains, do not exceed 3 pints "Lorox" L per acre. Do not exceed 40 psi spray nozzle pressure as crop injury may result.

"Lorox" L 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" L provided treatments are at least 2 weeks apart. Shorter time intervals between applications may result in injury to the crop. Do not apply "Lorox" L as a tank mixture with Stoddard solvent, surfactants, nitrogen or fertilizer solution, other pesticides, nor when temperature exceeds 85 degrees F as crop injury may result.

**Note:** Because carrot varieties vary in their resistance, determine tolerance to "Lorox" L 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" L. 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 pints 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 degrees F nor as a tank mixture with surfactants, 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.

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## 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" L at 3/4 to 1 pint per acre (tank mixed with standard registered herbicides for corn) controls triazine-resistant lambsquarters on soils of 1 to 4% organic matter east of the Rocky Mts.

## "Lorox" L + "Lasso"

## Soil Texture Description

	Percent Organic Matter in Soil	Pints of "Lorox" L + Quarts of "Lasso" per acre	
Coarse: Sandy Loam			
1 to 3*		2/3 to 1-1/4	+ 3/4 to 1
3 to 6*		1-1/4 to 2	+ 1 to 1-1/2
Medium: Loam, Silt loam, Silt, Sandy clay, Sandy clay loam			
1 to 3*		1 to 1-2/3	+ 1 to 1-1/2
3 to 6*		1-2/3 to 2-1/2	+ 1-1/2 to 2
Fine: Silty clay, Silty clay loam, Clay, Clay loam			
1 to 3*		1-1/4 to 2	+ 1-1/2 to 2
3 to 6*		2 to 3	+ 2 to 2-1/2

**Replanting:** Corn or soybeans may be replanted within 4 months. See "Replanting".

## "Lorox" L + "Ramrod"

## Soil Texture Description

	Percent Organic Matter in Soil	Pints of "Lorox" L + Gallons of "Ramrod" (4 lbs/gal) per acre	
Coarse: Sandy Loam			
1 to 3*		2/3 to 1-1/3	+ 1-1/3 to 2-3/5
3 to 6*		1-1/3 to 2	+ 2-3/5 to 3-9/10
Medium: Loam, Silt loam, Silt, Sandy clay, Sandy clay loam			
1 to 3*		1 to 1-2/3	+ 2 to 3-1/3
3 to 6*		1-2/3 to 2-1/2	+ 3-1/3 to 5-1/5
Fine: Silty clay, Silty clay loam, Clay, Clay loam			
1 to 3*		1-1/4 to 2	+ 2-3/5 to 3-9/10
3 to 6*		2 to 3	+ 3-9/10 to 6-1/5

**Replanting:** Corn may be replanted within 4 months, after 4 months, see "Replanting".



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**"Lorox" L + atrazine (Tank Mixture)--**

For improved control of annual grasses, add "Lasso" as recommended on "Lasso" labeling for "Lasso", atrazine combinations

**Soil Texture Description**

	Percent Organic Matter in Soil	Pints of "Lorox" L + Pounds of atrazine 80%	
		per acre	
<b>Coarse:</b> Sandy loam			
1 to 2*	2/3 to 1	+ 1/2 to 2/3	
2 to 5*	1 to 2	+ 2/3 to 1-1/4	
<b>Medium:</b> Loam, Silt loam, Silt, Sandy clay, Sandy clay loam			
1 to 2*	1 to 1-1/2	+ 2/3 to 1	
2 to 5*	1-1/2 to 2-1/2	+ 1 to 1-1/2	
<b>Fine:</b> Silty clay, Silty clay loam, Clay, Clay loam			
1 to 2*	1-1/3 to 1-2/3	+ 3/4 to 1	
2 to 5*	1-2/3 to 3	+ 1 to 2	

Replanting: Corn may be replanted within 6 months; after 6 months, 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 pts per acre; add 1 pint surfactant 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".

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**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 pints per acre when cotton is at least 8" tall and emerged weeds do not exceed 2" in height; add 1 pint surfactant 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 pints per acre following last cultivation; if emerged weeds are present, add surfactant 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".

**HYBRID POPLAR (MIDWEST)**

Apply to 2 to 4 pints "Lorox" L per acre before bud break in the spring.

For application after bud break, apply 2 to 4 pints "Lorox" L per acre as a directed spray. Spray should be directed to weed growth and to avoid contact with the poplar plant; do not spray over the top of the poplar as injury to the plant will result.

Use the lower rate on light soils and higher rate on heavier soils. For best results on emerged weeds, treat at the seedling stage.

More than one treatment may be made but no more than 8 pints "Lorox" L per acre should be applied per year.

**PARSNIPS**

**Preemergence Application:** Make a single application of 1 1/2 to 3 pints 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 after 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 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 pints per acre on the coarser soils (sandy loams, silt loams; 1 to 2% organic matter) and 2 1/2 to 4 pints 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 pint per acre on sands and 2 pints per acre on loamy sands.

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

**Soil Texture Description**

Percent Organic Matter in Soil		Pints of "Lorox" L + Pints of "Dual" 8E per acre	
<b>Coarse: Sandy Loam  </b>			
1 to 3%	1 to 1-1/2	+	1-1/2
3 to 5%	1-1/2 to 2	+	2
<b>Medium: Loam, Silt loam, Silt, Sandy clay, Sandy clay loam</b>			
1 to 3%	1-1/2 to 2	+	2
3 to 5%	2 to 2-1/2	+	2-1/2 to 3

See Replanting

**SORGHUM**

**Preemergence Application:** Select a registered herbicide treatment for application as a tank mixture with "Lorox" L. 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" L--Southwest**

**Soil Texture Description**

Percent Organic Matter in Soil		Pints of "Lorox" L	
<b>Coarse: Sandy Loam  </b>			
1 to 2%	5/8 to 1		
2 to 4%	1 to 1-1/2		
<b>Medium: Loam, Silt loam, Silt, Sandy clay, Sandy clay loam</b>			
1 to 2%	1 to 1-1/2		
2 to 4%	1 to 2		

**Replanting:** See "Replanting" and replanting on the companion product labeling. Prior to replanting, thorough seedbed preparation including fall or spring plowing is recommended.

**Directed Postemergence Application:** Make a single application of "Lorox" L as a directed spray, add 1 pint surfactant for each 25 gals spray mixture. If sprayer is equipped with skids, shoes or shields, apply 1 pint per acre when sorghum is 12" tall (free standing plants) and weeds are up to 2" in height. Use 1 to 2 pints per acre when sorghum is 15" tall and weeds are 2" to 4" in height. If boom drops are used, apply 1 to 2 pints 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-CONVENTIONAL TILLAGE

**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" L + "Lexone" DF\*

For control of common ragweed, hemp sesbania, jimsonweed, lambsquarters, pigweeds, prickly sida, sicklepod, velvetleaf, spotted spurge, Venice mallow, purslane, carpetweed, Pennsylvania smartweed and partial control of cocklebur<sup>2</sup>, and use the following:

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## Soil Texture Description

	Percent Organic Matter in Soil	Pounds Per
	Pints Per Acre: "Lorox" L + "Lexone" DF	
Coarse:	Sandy loam	
	1/2 to 3*	1/3 to 1/2 + 1/6 to 1/4
		OR
		("Lexone" 4L -- 1/4 to 2/5 pt)
	3 to 6*	1/2 to 3/4 + 1/4 to 1/3
		OR
		("Lexone" 4L -- 2/5 to 1/2 pt)
Medium:	Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	
	1 to 3*	1/2 to 3/4 + 1/4 to 1/3
		OR
		("Lexone" 4L -- 2/5 to 1/2 pt)
	3 to 6*	3/4 to 1 1/2 + 1/3 to 1/2
		OR
		("Lexone" 4L -- 1/2 to 3/4 pt)
Fine:	Silty clay, Silty clay loam, Clay, Clay loam	
	1 to 3*	3/4 to 1 1/2 + 1/3 to 1/2
		OR
		("Lexone" 4L -- 1/2 to 3/4 pt)
	3 to 6*	1 1/2 to 2 + 1/2 to 2/3
		OR
		("Lexone" 4L -- 3/4 to 1 pt)

\*For improved control of annual grasses, tank mix with "Lasso" or "Dual" (per labeling).

HerbicideRecropping Restrictions**"Lasso"**

Soybeans or field corn may be replanted within 4 months, after 4 months, see "Replanting". Treated vines may be grazed or fed to livestock 40 days after application.

or

**"Dual"**

Soybeans or field corn may be replanted within 4 months, for rotation crops, see "Replanting" and follow instructions on "Dual" label.

Do not graze or feed forage from treated areas to livestock

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Note: Soybean varieties such as Altona, Coker 102 and 156, Govan, NKS 1884, Semmas, Tracy, Vansoy, Terra Vig 505 and 606, Agripio 55, Asgrow 620, 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 111, DSR 112, Essex, Fayette, Hisoy 170, Lakota, Lawrence, LOL 4207, NKS 1492, Pride B216, Pride B242, SFF 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.

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" L\*

##### Soil Texture Description

	Percent Organic Matter in Soil	Pints of "Lorox" L per acre
Coarse: Sandy Loam	1/2 to 3*	2 2/3 to 1 1/4
	3 to 6*	1 1/4 to 2
Medium: Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1/2 to 3*	1 to 1 2/3
	3 to 6*	1 2/3 to 2 1/2
Fine: Silty clay, Silty clay loam, Clay, Clay loam	1/2 to 3*	1 1/4 to 2
	3 to 6*	2 to 3

\*For improved control of annual grasses, add as per the following labeling:

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<u>Herbicide</u>	<u>Recropping/Restrictions</u>
"Lasso"	Soybeans or field corn may be replanted within 4 months; after 4 months, see "Replanting."
or	
"Dual"	Soybeans or field corn may be replanted with 4 months; for rotation crops, see "Replanting" and follow instructions on "Dual" label. Do not graze or feed forage from treated areas to livestock.
or	
"Prowl"	Soybeans or field corn may be replanted within 4 months; crops listed in "Replanting" may be planted the following year.
or	
"Surflan"	Soybeans may be replanted within 4 months; after 4 months, see "Replanting" but do not plant potatoes within 12 months. Do not use treated vines for feed or forage.
or	
"Amiben"	Soybeans or field corn may be replanted within 4 months; after 4 months, see "Replanting."

For control of black nightshade, apply:

**Soil Texture Description**

	Percent Organic Matter in Soil	Pints of "Lorox" L + Quarts of "Lasso" per acre
Coarse: Sandy Loam	1 to 3*	3/4 to 1 1/2 + 2
Medium: Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 3*	1 to 1 2/3 + 2 1/2 to 3
Fine: Silty clay, Silty clay loam, Clay, Clay loam	1 to 3*	1 1/4 to 2 + 3

Do not use on sand or loamy sands.

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

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

Soil Texture Description

	Percent Organic Matter in Soil	Pints of "Lorox" L + Pints of "Dual" 8E per acre
Coarse: Sandy loam	1 to 3%	3/4 to 1 1/2 + 1 1/2

Medium: Loam, Silt loam, Silt, Sandy clay, Sandy clay loam  
1 to 3% 1 to 1-2/3 + 2

Fine: Silty clay, Silty clay loam, Clay, Clay loam  
1 to 3% 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".

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" L preemergence (after planting and before emergence of soybeans) as a separate operation using rates recommended below for "Lorox" L 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" L Alone--If weeds have emerged, add 1 pint surfactant for each 20 gals spray mixture.

Soil Texture Description

	Percent Organic Matter in Soil	Pints of "Lorox" L per acre
Coarse: Sandy loam	1/2 to 2%	1 to 1 2/3
	2 to 5%	1-2/3 to 3

Medium: Loam, Silt loam, Silt, Sandy clay, Sandy clay loam  
1/2 to 2% 1 1/4 to 2 1/3  
2 to 5% 2 1/3 to 4

Fine: Silty clay, Silty clay loam, Clay, Clay loam  
1/2 to 2% 1 1/3 to 2 2/3  
2 to 5% 2 2/3 to 5  
(Over 5% organic matter, use 6 pts )

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



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

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

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

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

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

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

**Other weeds**--Directed postemergence application of "Lorox" L 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

**Preemergence to Soybeans Postemergence to Weeds:** "Lorox" L 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" L Alone****Soil Texture Description**

	Percent Organic Matter in Soil	Pints of "Lorox" L per acre
Coarse: Sandy loam		
	1/2 to 2*	1 to 1-2/3
	2 to 5*	1-2/3 to 3
Medium: Loam, Silt loam, Silt, Sandy clay, Sandy clay loam		
	1/2 to 2*	1-1/4 to 2-1/3
	2 to 5*	2-1/2 to 4
Fine: Silty clay, Silty clay loam, Clay, Clay loam		
	1/2 to 2*	1-1/3 to 2-2/3
	2 to 5*	2-2/3 to 5
	(Over 5* organic matter, use 6 pints)	

**Replanting:** Soybeans or field corn may be replanted within a month after a month, see "Replanting."

If small seedling weeds are present, add 1 pint surfactant for each 20 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" L + "Lasso" or "Dual" 8E or "Surflan"--will improve control of grasses and volunteer small grains.

"Lorox" L + "Lasso"\* (or "Dual"\* or "Surflan"\*) + Paraquat or "Roundup"--Thoroughly mix "Lorox" L and companion herbicide in spray tank first according to directions; then add paraquat or "Roundup" as directed under Paraquat Combinations or "Roundup" Combinations below.

**Soil Texture Description**

	Percent Organic Matter in Soil	Pints of "Lorox" L + Quarts of "Lasso"* per acre
Coarse: Sandy Loam		
	1/2 to 3*	3/4 to 1 1/2 + 2
	3 to 6*	1 1/2 to 2 2/5 + 2 1/2
Medium: Loam, Silt loam, Silt, Sandy clay, Sandy clay loam		
	1/2 to 3*	1-1/8 to 2 + 2-1/2
	3 to 6*	2 to 3 + 3
Fine: Silty clay, Silty clay loam, Clay, Clay loam		
	1/2 to 3*	1-1/4 to 2-1/4 + 2-1/2
	3 to 6*	2-1/4 to 3-1/2 + 3

\*For improved control of annual grasses and volunteer small grains, add as per labeling:

<u>Herbicide</u>	<u>Recropping/Restrictions</u>
"Lasso"	Soybeans or field corn may be replanted within 4 months; after 4 months, see "Replanting".
or	
"Dual"	Soybeans or field corn may be replanted within 4 months; for rotation crops see "Replanting" and follow instructions on "Dual" label. Do not graze or feed forage from treated areas to livestock.
or	
"Surflan"	Do not use treated vines for feed or forage. Soybeans may be replanted within 4 months; after 4 months, see "Replanting" and do not plant potatoes within 12 months.

For control of black nightshade apply with paraquat or "Roundup" as shown below.

Soil Texture Description

	Percent Organic Matter in Soil	
		Pints of "Lorox" L + Quarts of "Lasso" per acre
Coarse: Sandy Loam	1 to 3*	3/4 to 1 1/2 + 2
Medium: Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1 to 3*	1 to 2 + 2 1/2 to 3
Fine: Silty clay, Silty clay loam, Clay, Clay loam	1 to 3*	1 1/4 to 2 1/4 + 3

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

**Paraquat Combinations**-Select and tank mix in water one of the above treatments; then add 1/4 to 1/2 lbs. active ingredient paraquat 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 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.

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

**Soil Texture Description**

	Percent Organic Matter in Soil	Pints of "Lorox" L + Quarts of "Bronco"(b)	per acre
Coarse: Sandy Loam	1/2 to 5*	3/4 to 2	+ 3 1/4 to 5
Medium: Loam, Silt loam, Silt, Sandy clay, Sandy clay loam	1/2 to 5*	1 1/8 to 2 1/2	+ 4 to 5
Fine: Silty clay, Silty clay loam, Clay, Clay loam	1/2 to 5*	1 1/4 to 3	+ 4 to 5

(a) 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".

**SOYBEANS-CONVENTIONAL OR MINIMUM OR NO-TILLAGE**

**Directed Postemergence Application:** Apply "Lorox" L alone or as a tank mixture with 2,4-DB, 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 for each 25 gals spray mixture. For best results, use a preemergence treatment (such as "Lorox" L) 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 pints "Lorox" L 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" L Alone--**For soybeans at least 8" high and when weeds do not exceed 2" in height, apply 1/2 to 1 pint 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 pints per acre. Alternatively, make a split application of 1 pint per acre followed by a second application at the same rate after 1 week or later.

**"Lorox" L + 2,4-DB--**For soybeans at least 8" high and when weeds do not exceed 4" in height, apply 1 pint "Lorox" L plus 1/5 lb 2,4-DB (13 fl oz "Butvrac" 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.

**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 pints "Lorox" L 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 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 degrees 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 Union Carbide Agricultural Products 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. "Dual" 8E contains 8 lbs metolachlor per gal.
- 3 Registered trademark of Monsanto Company. "Lasso" 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.
- 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" 35W contains 75% W.P. oryzalin. "Surflan" AS contains 4 lbs oryzalin per gal. "Treflan" contains 4 lbs trifluralin per gal.
- 7 Registered trademark of Rhone-Poulenc Inc., "Butoxon" contains 1.75 lbs dimethylamine salt and 2 lbs isooctyl ester of 2,4-DB per gal.
- 8 Registered trademark of Westvaco Corporation
- 9 Registered trademark of ICI United States, Inc

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**STORAGE AND DISPOSAL**

**STORAGE:** Keep product from freezing. 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.

**CONTAINER:** 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.**

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