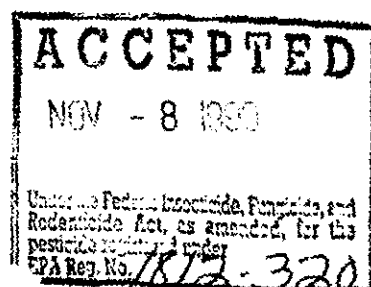


PN125

1812-320

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Lineex® 50 DF

DISPERSIBLE GRANULE

ACTIVE INGREDIENT:	
Linuron 3-(3, 4-dichlorophenyl)-1-methoxy-1-methylurea	50%
INERT INGREDIENTS:	50%
TOTAL	100%

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT:

IF SWALLOWED: Induce vomiting.
IF ON SKIN: Remove by washing with soap and water.
IF IN EYES: Wash with large amounts of water and get medical attention.
See Additional Precautionary Statements

Griffin

Griffin. The Hardworking Difference

GRIFFIN CORPORATION

VALDOSTA, GA 31603-1847

EPA REG. NO. 1812-320

EPA EST. NO. 35982 TX-1

NET CONTENTS 100 LBS.

2067

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands. Do not apply where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters.

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

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not re-enter treated areas for 24 hours following application unless protective clothing is worn.

Because certain states may require more restrictive entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. (Indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure). When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: CAUTION: Area treated with LINEX[®] 50 DF on (date of application). Do not re-enter treated areas for 24 hours following application unless protective clothing is worn. In case of accidental exposure see Statement of Practical Treatment.

One piece overalls which have long sleeves and long pants constructed of finely woven fabric as specified in the USDA/EPA Guide to Commercial Applicators.

Wide brimmed hats.

Chemical resistant gloves which are mid-forearm to elbow length.

Any article worn while applying linuron must be cleaned before re-using. Clothing which has been drenched or has otherwise absorbed concentrated pesticide must be disposed of 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 Taschereau and Gosselin, 1975).

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product.

LINEX[®] 50 DF is a dispersible granule to be mixed in water and applied as a spray for selective control of weeds on certain crops and for non-selective weed control on non-cropland areas. LINEX[®] 50 DF is non-corrosive to equipment, non-flammable, and non-volatile.

To control susceptible weed seedlings for an extended period of time, apply LINEX[®] 50 DF to soil before weed emergence. The range of control and duration of effect will vary with the amount of chemical applied, soil texture, rainfall and other conditions. Higher dosages are needed for soils high in sand or organic matter. Soil low in clay or organic matter will require lower dosages to obtain equivalent herbicide performance. Since moisture is needed to activate LINEX[®] 50 DF, rainfall or irrigation is needed within 2 weeks of application.

When using LINEX[®] 50 DF to control emerged weeds best results are obtained on succulent weeds growing in moist conditions. Mixtures of 10% higher with high humidity. Where recommended, addition of a surfactant to the spray increases contact effects of LINEX[®] 50 DF.

It is suggested that growers limit their first use to small areas as the effect of LINEX[®] 50 DF varies with soil types, uniformity of application and environmental conditions. Follow all label directions on this and any product used in mixtures.

LINEX® 50 DF should be used only in accordance with recommendations on this label. Do not apply this product through any type of irrigation system. Injury to or loss of desirable trees or other plants may result from failure to observe the following:

- Equipment should not be flushed or drained or **LINEX® 50 DF** applied 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. **LINEX® 50 DF** should not be used on home plantings of trees, shrubs or herbaceous plants, lawns, walks, driveways, tennis courts or similar areas. Keep drift of dry powder or spray from desirable plants.
- Equipment should be cleaned of all traces of **LINEX® 50 DF** immediately after use. Nozzle tips and screens should be removed and cleaned separately. Flush tank, pump, hoses and boom with several changes of water.

PREEMERGENCE USE — Germinating Weeds: LINEX® 50 DF controls weeds as they germinate. LINEX® 50 DF will control the following broadleaf weeds and grasses:

Carpetweed	Goosefoot, Nettleleaf	Purslane	Barnyardgrass (Watergrass)	Foxtail (Including Giant)
Chickweed	Lambsquarters	Radish, Wild	Canarygrass	Goosegrass
Dayflower, Common	Mustard	Ragweed, Common	Crabgrass	Fall Panicum
Florida Pusley	Pigweed	Smartweed		
Galinsoga				

Cocklebur	Morningglory, Annual	Prickly Sida (Teaweed)	Sicklepod	Velvetleaf (Buttonweed)
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Established perennials such as bermudagrass, Canada thistle, field bindweed, johnsongrass and purple nutsedge will not be controlled. On lighter soils lower dosage rates will be effective and higher rates on heavier soils and the more resistant seedling weeds. Moisture in the form of rainfall or sprinkle irrigation is necessary after treatment to carry the chemical into the root zone of germinating weeds. Best results are obtained if moisture of 1/2" to 1" on moist soils; 1" to 2" on dry soils is applied within two weeks after application.

Crop injury may result if application of LINEX® 50 DF is made to ground which is cloddy or compacted resulting in improperly planted seed. A good seed bed must be prepared before application. Seed should be planted to specified depth. Do not disturb or cultivate surface soil after application and before crop emergence as weed control will be reduced and crop injury may result. If there is not enough moisture to activate the herbicide, a shallow cultivation, preferably by rotary hoe, should be made after crop emergence while weeds are small enough to be controlled by mechanical means.

Broadleaf Weeds

Carpetweed	Groundsel	Prickly Sida (Teaweed)	Barnyardgrass (Watergrass)	Rattail Fescue
Cocklebur	Knapel	Purslane	Broadleaf (Signalgrass)	Ryegrass, Annual
Dayflower, Common	Lambsquarters	Sesbania	Canarygrass	Texas Panicum
Dog Fennel	Morningglory, Annual	Sicklepod	Crabgrass	
Fiddleneck (Amsinckia)	Mustard	Smartweed	Fall Panicum	
Florida Beggarweed	Nettleleaf Goosefoot	Velvetleaf (Buttonweed)	Foxtail (Including Giant)	
Florida Purslane (Florida Pusley)	Pigweed	Wild Buckwheat	Goosegrass	

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EQUIPMENT — SPRAY VOLUMES AND PRESSURES: A tractor-mounted fixed-boom power sprayer calibrated to a constant speed and rate of delivery should be used. Openings in screens should be equal to or larger than 50 mesh. To keep the material in suspension continuous agitation in the spray tank is necessary. Agitation can be by hydraulic or mechanical means. If a by-pass or return line is used, it should terminate at the bottom of the tank to minimize foaming. Overlapping should be avoided. Shut spray booms off while starting, turning, slowing or stopping or crop injury may result.

Use 20 to 60 gallons per acre and spray pressure of 30 to 40 psi for preemergence application. For postemergence application for thorough coverage of weed foliage, use sufficient volume (minimum of 20 gallons per acre) and a spray pressure of 20 to 25 psi to keep spray drift to a minimum.

LINEX[®] 50 DF is labeled for application using ground equipment only. Aerial applications are prohibited.

SPRAY PREPARATION: The tank should be 1/4 filled with water. Start agitation system, add **LINEX[®] 50 DF** and continue adding water. Each component of any tank mix should be added separately while adding water. Surfactant, if used, should be added last when the tank is nearly full. Agitation should continue 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. Measure one pint of intended spray, water or fertilizer solution into a jar.
2. Check the pH of the liquid and adjust if necessary.
3. Add, in the given order, the intended ingredients, shaking well after each addition:
 - (a) Surfactants (spreaders), acidifiers, compatibility agents, and activators; add one teaspoon for each pint/100 gallons.
 - (b) Dry ingredients (wetttable powders, dry flowables); add one teaspoon for each pound/100 gallons.
 - (c) Soluble ingredients; add one tablespoon for each pound/100 gallons.
 - (d) Flowables; add one teaspoon for each pint/100 gallons.
 - (e) Soluble ingredients; add one tablespoon for each pound/100 gallons.
 - (f) Spreaders — stickers; one teaspoon for each pint/100 gallons.
4. The final mixture should be uniform and smooth. If compatibility is evident, but a test against compatibility has not been added first. Six drops is equivalent to four ounces per 100 gallons. If the mixture does not smooth the mixture, try higher concentrations and other compatibility agents. If the mixture does not smooth the mixture, try higher concentrations and other compatibility agents.
5. Allow the mixture to stand undisturbed for 5 minutes. If separation occurs, shake and observe the resulting mixture. If it is smooth, proceed with the mixture. If the tank has good agitation. If not, do not attempt to spray the mixture. You may try:
 - (a) more compatibility agents
 - (b) different combinations of the active ingredients (switch from WP or EC to Flowable or from WP to EC)
 - (c) change active ingredients; some combinations will not tank mix.

When spraying by adding the fertilizer solution to the spray tank first if the mixture is compatible. Dilute **LINEX[®] 50 DF** with 2 parts water, mix thoroughly and add slowly to spray tank with agitator running. Follow directions above for tank mixtures with other herbicides.

USE RATES: All rates are expressed as broadcast rates. Use proportionately less for band treatment. Use the lower rate on soil low in clay or organic matter (coarser soils) and the higher rate on soils high in clay or organic matter (finer soils). For postemergence application the lower rate should be used on smaller weeds and the higher rate on larger weeds.

SOIL LIMITATIONS: Do not use on sand, loamy sand, gravelly soils or exposed subsoils or soils containing less than 1% organic matter unless otherwise directed as injury to the treated or subsequent crops may result.

REPLANTING: The same crop may be replanted in soil treated preemergence with **LINEX[®] 50 DF** if initial seeding fails to produce a stand. Soil should be reworked before replanting. Injury to the crop may result if field is retreated with a second application. Do not replant treated areas to any other crop within 4 months after last application unless otherwise stated as injury to subsequent crops may result. West of the Rocky Mountains carrots may be planted 4 months after the last application.

Do not rotate crops used for food or feed which are not registered for use with linuron into areas previously treated with this chemical.

CARROTS — Michigan and Wisconsin — Preemergence Application: A single application of 1 to 3 lbs. per acre should be made after planting but prior to carrots emerging. Seed should be planted at least 1/2" deep. The lower rate should be used on lighter soils and the higher rate on heavier soils. Additional postemergence applications may be made as long as the total does not exceed 4 lbs. of **LINEX[®] 50 DF** per acre per season.

NOTE: To prevent possible crop injury in various varieties of carrots determine tolerance to **LINEX[®] 50 DF** before adoption as a field practice.

CORN (Field) — East of the Rocky Mountains — Preemergence Application: Select one of the following herbicide treatments for application as a tank mixture. A single application should be made after planting but prior to crop emergence. Seed should be planted at least 1 3/4" deep on either flat or raised seedbeds only or injury to the crop may result. Do not spray over top of emerged corn.

Tank Mixture **LINEX[®] 50 DF + Lasso**

Product Per Acre	Soil Texture		
	Sandy Loam	1 to 3 % Organic Matter Silt Loam	Clay Loam
LINEX[®] 50 DF (lbs.)	2.3 to 1 1/4	1 to 1 2/3	1 1/4 to 2
PLUS			
Lasso (quarts)	3/4 to 1	1 to 1 1/2	1 1/2 to 2
3 to 6 % Organic Matter			
LINEX[®] 50 DF (lbs.)	1 1/4 to 2	1 2/3 to 2 1/2	2 to 3
PLUS			
Lasso (quarts)	1 to 1 1/2	1 1/2 to 2	2 to 2 1/2

Replanting: Corn or soybeans may be replanted within 4 months. After 4 months, any crop may be planted.

Tank Mixture **LINEX[®] 50 DF + Ramrod**

Product Per Acre	Soil Texture		
	Sandy Loam	1 to 3 % Organic Matter Silt Loam	Clay Loam
LINEX[®] 50 DF (lbs.)	2.3 to 1 1/3	1 to 1 2/3	1 1/4 to 2
PLUS			
Ramrod (lbs.)	1 to 2	1 1/2 to 2 1/2	2 to 3
3 to 6 % Organic Matter			
LINEX[®] 50 DF (lbs.)	1 1/3 to 2	1 2/3 to 2 1/2	2 to 3
PLUS			
Ramrod (lbs.)	2 to 3	2 1/2 to 4	3 to 4 3/4

Replanting: Corn may be replanted within 4 months. After 4 months, any crop may be planted.

Tank Mixture **LINEX[®] 50 DF + Atrazine**

Product Per Acre	Soil Texture		
	Sandy Loam	1 to 2 % Organic Matter Silt Loam	Clay Loam
LINEX[®] 50 DF (lbs.)	2.3 to 1	1 to 1 1/2	1 1/3 to 1 2/3
PLUS			
Atrazine 80% (lbs.)	1.2 to 2.3	2.3 to 1	3.4 to 1
2 to 5 % Organic Matter			
LINEX[®] 50 DF (lbs.)	1 to 2	1 1/2 to 2 1/2	1 2/3 to 3
PLUS			
Atrazine 80% (lbs.)	2.3 to 1 1/4	1 to 1 1/2	1 to 2

CORN (FIELD AND SWEET) Directed Postemergence Application: A single application as a directed spray should be made after corn is at least 15" high. Do not spray over top of corn. There should be 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. Such contact may

cause crop injury. Early cultivation will aid in achieving proper differential between height of corn and weeds.

Apply 1 1/4 to 3 lbs. **LINEX[®] 50 DF** per acre. A pint of surfactant for each 25 gallons of spray mixture may be added. For field corn, non-pressurized nitrogen solution may be substituted for all or part of the water. On lighter soils (low in clay or organic matter) the lower rate should be used and when weeds do not exceed 2" in height. The higher rate should be used on heavier soils (soils high in clay or organic matter) and for weeds up to 5" in height.

COTTON: East of Rocky Mountains — Directed Postemergence Application: **LINEX[®] 50 DF** should be applied as a directed spray with nozzles adjusted to minimize contact to cotton leaves with spray or drift so that crop injury does not result. Do not spray over top of cotton.

When cotton is at least 8" tall and weeds are not over 2" tall, apply 1 to 1 1/2 lbs. **LINEX[®] 50 DF**. One pint of surfactant for each 25 gallons of spray mixture may be added. If a second application is needed use the same rate and apply one week or later after first treatment. Alternatively, a single application of 2 to 3 lbs. per acre following last cultivation can be made after cotton is 20" tall. If emerged weeds are present add surfactant as directed above.

NOTE: Should not be used on Pima varieties of cotton. Do not feed forage or gin trash from treated areas to livestock. Do not graze treated fields.

PARNIPS — Preemergence Application: A single application of 1 1/2 to 3 lbs. per acre should be made after planting but prior to crop emergence. Seed should be planted at least 1/2" deep.

POTATOES — Preemergence Application: A single application of **LINEX[®] 50 DF** should be made as a broadcast spray after planting but prior to crop emergence. Seed should be planted 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. Application should be made before grasses are 2" tall and before broadleaf weeds are 6" tall, preferably just before or when weed seedlings emerge. A pint of surfactant for each 25 gallons of spray mixture can be added if emerged weeds are present. 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). If soil is dry and powdery, irrigate before application and follow with sprinkler irrigation to activate herbicide.

East of Rocky Mountains: On sandy loams, silt loams, soils with 1 to 2% organic matter (coarser soils) apply 1 1/2 to 2 1/2 lbs. of **LINEX[®] 50 DF** per acre. On silts, clay loams and soils with 2 to 5% organic matter (fine soils) apply 2 1/2 to 4 lbs. per acre to emerged weeds (before potato emergence).

Wisconsin — Central Sands Area: **LINEX[®] 50 DF** should be applied at the rate of 1 lb. per acre on sands and 2 lbs. per acre on loamy sands.

Northeast: Use the following tank mix for improved control of annual grasses. Follow directions and precautions on the Dual label also.

Product Per Acre	Soil Texture	
	Coarse Sandy Loam	Medium Silt, Loam, Silt Loam
LINEX[®] 50 DF (lbs.)	1 to 1 1/2	1 1/2 to 2
PLUS		
Dual (pints)	1 1/2	2
3 to 5 % Organic Matter		
LINEX[®] 50 DF (lbs.)	1 1/2 to 2	2 to 2 1/2
PLUS		
Dual (pints)	2	2 1/2 to 3

SORGHUM — Preemergence Application: Use one of the following herbicide treatments for application as a tank mixture. A single application should be made after planting but prior to crop emergence. Seed should be planted 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.

Tank Mixture **LINEX[®] 50 DF with Propazine — Southwest**

Product Per Acre	Soil Texture	
	Coarse Sandy Loam	Medium Clay Loam, Silt Loam
LINEX[®] 50 DF (lbs.)	5/8 to 1	1 to 1 1/2
PLUS		
Propazine 80% (lbs.)	3/8 to 5/8	5/8 to 1
2 to 4 % Organic Matter		
LINEX[®] 50 DF (lbs.)	1 to 1 1/2	1 to 2
PLUS		
Propazine 80% (lbs.)	5/8 to 1	5/8 to 1 1/4

Replanting: Do not follow treated sorghum with any fall crop, nor with sugar beets, tobacco, vegetables or potatoes in rotation. Before replanting, thorough seedbed preparation including fall or spring plowing is recommended.

Tank Mixture **LINEX[®] 50 DF and Ramrod — Great Plains**

Product Per Acre	Soil Texture		
	Sandy Loam	1 to 3 % Organic Matter Silt Loam	Clay Loam
LINEX[®] 50 DF (lbs.)	2.3 to 1 1/3	1 to 1 2/3	1 1/4 to 2
PLUS			
Ramrod (lbs.)	1 to 2	1 1/2 to 2 1/2	2 to 3
3 to 6 % Organic Matter			
LINEX[®] 50 DF (lbs.)	1 1/3 to 2	1 2/3 to 2 1/2	2 to 3
PLUS			
Ramrod (lbs.)	2 to 3	2 1/2 to 4	3 to 4 3/4

NOTE: Do not feed sorghum forage or silage from treated fields to dairy animals. Do not graze treated areas.

Directed Postemergence Application: A single application of **LINEX[®] 50 DF** should be made as a directed spray. A pint of surfactant for each 25 gallons of spray mixture may be added. If sprayer is equipped with skids, shoes or shields, apply 1 lb. per acre when sorghum is 12" tall (free standing plants) and weeds are up to 2" high. Use 1 to 2 lbs. per acre when sorghum is 15" tall and weeds are 2 to 4" in height. Application should be made 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. Do not graze livestock in treated areas.

SOYBEANS — Preemergence Application: Select one of the following herbicide treatments and make a single application but prior to crop emergence. Seeds should be planted at least 3/4" deep on flat or raised seedbeds only or crop injury may result. If application is made to fields with standing water or fields too wet to cultivate, injury to soybeans may result. Do not spray over top of emerged soybeans. Do not use on sand or loamy sand or any soil containing less organic matter than listed below.

Preemergence Following Preplant Application of Trifluralin, Prowl or Tolban: Where Trifluralin, Prowl or Tolban have been used as a preplant incorporation treatment, apply **LINEX[®] 50 DF** as a separate operation using rates recommended below for **LINEX[®] 50 DF** alone. For rotation crops, follow instructions on Trifluralin, Prowl or Tolban labels.

LINEX[®] 50 DF Alone — Add 1 pint surfactant for each 25 gallons of spray mixture if weeds have emerged.

Product Per Acre	Soil Texture		
	Sandy Loam	1 to 2 % Organic Matter Silt Loam	Clay Loam
LINEX[®] 50 DF (lbs.)	1 to 1 2/3	1 1/4 to 2 1/3	1 1/3 to 2 2/3
2 to 5 % Organic Matter			
LINEX[®] 50 DF (lbs.)	1 2/3 to 3	2 1/3 to 4	2 2/3 to 5
Over 5 % Organic Matter. Use 6 lbs.			

Replant: Soybeans or field corn may be replanted within 4 months. After 4 months any crop may be planted.

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This tank mix controls the following:

Barnyardgrass	Goosegrass	Prickly Sida
Broadleaf Signalgrass	Hemp Sesbania	Ragweed
Fall Panicum	Lambsquarters	Sicklepod
Foxtails	Pigweed	Signalgrass

This tank mix partially controls cocklebur and jimsonweed.

Tank Mixture LINEX[®] 50 DF with Lexone DF Herbicide and Lasso

Product Per Acre	Soil Texture		
	Coarse	1 to 3 % Organic Matter	Fine
	Sandy Loam	Loam, Silt Loam Silt, Sandy Clay Sandy Clay Loam	Silty Clay, Silty Clay Loam, Clay Clay Loam
LINEX [®] 50 DF (lbs.)	1/3 to 1/2	1/2 to 3/4	3/4 to 1 1/2
PLUS			
Lexone DF (lbs.)	1/6 to 1/4	1/4 to 1/3	1/3 to 1/2
PLUS			
Lasso (qts.)	3/4 to 1	1 to 1 1/2	1 1/4 to 2
PLUS			

3 to 6 % Organic Matter			
LINEX [®] 50 DF (lbs.)	1/3 to 3/4	3/4 to 1 1/2	1 1/2 to 2
PLUS			
Lexone DF (lbs.)	1/4 to 1/3	1/3 to 1/2	1/2 to 2/3
PLUS			
Lasso (qts.)	1 to 1 1/2	1 1/2 to 2	2 to 3

NOTE: Soybean varieties such as Altona, Coker 102 and 156, Govan, NKs, 1884, Semmes, Tracy, Vansoy, Terra Vig 505 and 606, and AP 71 are sensitive to Lexone DF. If Lexone DF is used on these varieties, injury may occur. Tolerance to Lexone DF should be determined before use on any other soybean variety. If Lexone DF is used on soils having a calcareous surface layer or pH of 7.5 or higher, or if used in conjunction with soil applied organo phosphate pesticides such as Dazomet, Dicyclanil, Mocap, Nemacur, Thimet, Parathion, Lorsban 15G or Counter, injury to soybeans may occur.

Do not feed treated plant parts to livestock. If atrazine was applied on the soil the year before, injury may occur. Increased possibility of crop injury may occur when soybean seedlings are weakened because of seedling disease, cold weather, deep planting (more than 2"), excessive moisture, high soil pH of 7.5 or higher, higher salt concentration or drought.

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: Treated fields may be replanted to soybeans if initial seeding fails to produce a stand. Soil should not be reworked. Crop injury may result if second application is applied. Do not replant treated areas to any crop other than soybeans within four months after treatment as injury to subsequent crops may result.

Tank Mixture LINEX[®] 50 DF with Lasso

Product Per Acre	Soil Texture		
	Coarse	1/2 to 3 % Organic Matter	Fine
	Sandy Loam	Loam, Silt Loam Silt, Sandy Clay Sandy Clay Loam	Silty Clay, Silty Clay Loam, Clay Clay Loam
LINEX [®] 50 DF (lbs.)	2/3 to 1 1/4	1 to 1 2/3	1 1/4 to 2
PLUS			
Lasso (qts.)	3/4 to 1	1 to 1 1/2	1 1/2 to 2

3 to 6 % Organic Matter			
LINEX [®] 50 DF (lbs.)	1 1/4 to 2	1 2/3 to 2 1/2	2 to 3
PLUS			
Lasso (qts.)	1 to 1 1/2	1 1/2 to 2	2 to 2 1/2

For Control of Black Nightshade Apply:

Product Per Acre	Sandy Loam	Silt Loam	Clay Loam
LINEX [®] 50 DF (lbs.)	3/4 to 1 1/2	1 to 1 2/3	1 1/4 to 2
PLUS			
Lasso (qts.)	2	2 1/2 to 3	3

Replanting: Soybeans or field corn may be replanted within 4 months. After 4 months, any crop may be planted.

Tank Mixture LINEX[®] 50 DF with Lexone DF and Dual 8E: Controls common ragweed, prickly sida, sicklepod, hemp sesbania, lambsquarter, pigweed, and partially controls cocklebur, and jimsonweed.

Product Per Acre	Soil Texture		
	Coarse	1/2 to 3 % Organic Matter	Fine
	Sandy Loam	Loam, Silt Loam Silt, Sandy Clay Sandy Clay Loam	Silty Clay, Silty Clay Loam, Clay Clay Loam
LINEX [®] 50 DF (lbs.)	1/3 to 1/2	1/2 to 3/4	3/4 to 1 1/2
PLUS			
Lexone DF (lbs.)	1/6 to 1/4	1/4 to 1/3	1/3 to 1/2
PLUS			
Dual 8E (pts.)	1 to 1 1/4	1 1/4 to 1 1/2	1 1/2 to 2
3 to 6 % Organic Matter			
LINEX [®] 50 DF (lbs.)	1/3 to 3/4	3/4 to 1 1/2	1 1/2 to 2
PLUS			
Lexone DF (lbs.)	1/4 to 1/3	1/3 to 1/2	1/2 to 2/3
PLUS			
Dual 8E (pts.)	1 1/2 to 2	1/2 to 2/3	2 to 2 1/2

NOTE: Soybean varieties such as Altona, Coker 102 and 156, Govan, NKs 1884, Semmes, Tracy, Vansoy, Terra Vig 505 and 606, and AP 71 are sensitive to Lexone DF. If Lexone DF is used on these varieties, injury may occur. Tolerance to Lexone DF should be determined before use on any other soybean variety. If Lexone DF is used on soils having a calcareous surface layer or pH of 7.5 or higher, or if used in conjunction with soil applied organo phosphate pesticides such as Dazomet, Dicyclanil, Mocap, Nemacur, Thimet, Parathion, Lorsban 15G or Counter, injury to soybeans may occur.

Do not feed treated plant parts to livestock. If atrazine was applied on the soil the year before, injury may occur. Increased possibility of crop injury may occur when soybean seedlings are weakened because of seedling disease, cold weather, deep planting (more than 2"), excessive moisture, high soil pH of 7.5 or higher, higher salt concentration or drought.

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: Treated fields may be replanted to soybeans if initial seeding fails to produce a stand. Soil should not be reworked. Crop injury may result if second application is applied. Do not replant treated areas to any crop other than soybeans within four months after treatment as injury to subsequent crops may result.

Tank Mixture LINEX[®] 50 DF with Dual 8E

Product Per Acre	Soil Texture		
	Coarse	1/2 to 3 % Organic Matter	Fine
	Sandy Loam	Loam, Silt Loam Silt, Sandy Clay Sandy Clay Loam	Silty Clay, Silty Clay Loam, Clay Clay Loam
LINEX [®] 50 DF (lbs.)	2/3 to 1 1/4	1 to 1 2/3	1 1/4 to 2
PLUS			
Dual 8E (pts.)	1 1/4	1 1/2	2
3 to 6 % Organic Matter			
LINEX [®] 50 DF (lbs.)	1 1/4 to 2	1 2/3 to 2 1/2	2 to 3
PLUS			
Dual 8E (pts.)	1 1/2	2	2 to 2 1/2

Do not feed treated plant parts to livestock. Do not graze treated areas.

Replanting: Soybeans or field corn may be replanted within 4 months. For rotation crops follow instructions on the Dual 8E label.

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

Product Per Acre	Soil Texture		
	Sandy Loam	1 to 3 % Organic Matter	Clay Loam
	Silt Loam	Silt Loam	Silt Loam
LINEX [®] 50 DF (lbs.)	3/4 to 1 1/2	1 to 1 2/3	1 1/4 to 2
PLUS			
Dual 8E (pts.)	1 1/2	2	2 to 2 1/2

Do not use on sand or loamy sands.

Replanting: Soybeans or field corn may be replanted within four months. Any crop may be planted after 4 months.

Tank Mixture LINEX[®] 50 DF and Surflan 75W or Surflan AS

Product Per Acre	Soil Texture		
	Sandy Loam	1/2 to 3 % Organic Matter	Clay Loam
	Silt Loam	Silt Loam	Silt Loam
LINEX [®] 50 DF (lbs.)	2/3 to 1 1/4	1 to 1 2/3	1 1/4 to 2
PLUS			
Surflan 75W (lbs.)	2/3 to 1	1 to 1 1/3	1 1/3 to 1 2/3
OR			
Surflan AS (qts.)	1/2 to 3/4	3/4 to 1	1 to 1 1/4

Do not feed treated plant parts to livestock.

Replanting: Soybeans may be replanted within 4 months. Any crop except root crops may be planted after 4 months, do not plant root crops within 12 months.

Tank Mixture LINEX[®] 50 DF with Prowl

Product Per Acre	Soil Texture		
	Sandy Loam	1 to 3 % Organic Matter	Clay Loam
	Silt Loam	Silt Loam	Silt Loam
LINEX [®] 50 DF (lbs.)	2/3 to 1 1/4	1 to 1 2/3	1 1/4 to 2
PLUS			
Prowl (pts.)	1 to 1 1/2	1 1/2 to 2	1 1/2 to 2
3 to 6 % Organic Matter			
LINEX [®] 50 DF (lbs.)	1 1/4 to 2	1 2/3 to 2 1/2	2 to 3
PLUS			
Prowl (pts.)	1 1/2	1 1/2 to 2	2 to 2 1/2

Replanting: Soybeans or field corn may be replanted within 4 months. Other crops may be planted the following year.

Tank Mixture LINEX[®] 50 DF with Amiben

Product Per Acre	Soil Texture		
	Sandy Loam	1/2 to 3 % Organic Matter	Clay Loam
	Silt Loam	Silt Loam	Silt Loam
LINEX [®] 50 DF (lbs.)	2/3 to 1 1/4	1 to 1 2/3	1 1/4 to 2
PLUS			
Amiben (qts.)	3	3	4
3 to 6 % Organic Matter			
LINEX [®] 50 DF (lbs.)	1 1/4 to 2	1 2/3 to 2 1/2	2 to 3
PLUS			
Amiben (qts.)	3	4	5

Replanting: Soybeans or field corn may be replanted within 4 months. Any other crops may be planted after 4 months.

Tank Mixture LINEX[®] 50 DF with Ramrod — Seed Crop Only

Product Per Acre	Soil Texture		
	Sandy Loam	1 to 3 % Organic Matter	Clay Loam
	Silt Loam	Silt Loam	Silt Loam
LINEX [®] 50 DF (lbs.)	2/3 to 1 1/4	1 to 1 2/3	1 1/4 to 2
PLUS			
Ramrod (lbs.)	1 to 2	1 1/2 to 2 1/2	2 to 3
3 to 6 % Organic Matter			
LINEX [®] 50 DF (lbs.)	1 1/4 to 2	1 2/3 to 2 1/2	2 to 3
PLUS			
Ramrod (lbs.)	2 to 3	2 1/2 to 4	3, 4 3/4

NOTE: Do not feed treated plant parts to livestock. Do not graze treated area. Do not use seed for food, feed or oil purposes.

Replanting: Soybeans, sorghum or field corn may be replanted within 4 months. Any crop may be planted after 4 months.

SOYBEANS — Minimum or No-Tillage

LINEX[®] 50 DF preemergence to soybeans may be used with paraquat, Bronco or Roundup in tank mix combinations for preemergence and postemergence control of many broadleaf weeds and grasses and for top kill or suppression of some perennials 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. Use rates as described for Preemergence Application for conventional seed bed preparation in reduced tillage systems. Adding Lasso, Dual 8E, Surflan 75W or Surflan AS to the tank mixture improves control of grasses and volunteer small grains. Apply with ground equipment immediately before, during or after planting but before crop emerges. Maintain continuous agitation or spray mixture.

Tank Mixture LINEX[®] 50 DF with Lasso and Paraquat or Roundup: LINEX[®] 50 DF and Lasso should be thoroughly mixed first according to directions. Add paraquat or Roundup as directed under Paraquat combinations or Roundup combinations below.

Product Per Acre	Soil Texture		
	Sandy Loam	1/2 to 3 % Organic Matter	Clay Loam
	Silt Loam	Silt Loam	Silt Loam
LINEX [®] 50 DF (lbs.)	3/4 to 1 1/2	1 1/8 to 2	1 1/4 to 2 1/4
PLUS			
Lasso (qts.)	2	2 1/2	2 1/2
3 to 6 % Organic Matter			
LINEX [®] 50 DF (lbs.)	1 1/2 to 2 2/5	2 to 3	2 1/4 to 3 1/2
PLUS			
Lasso (qts.)	2 1/2	3	3

For control of black nightshade apply:

Product Per Acre	Soil Texture		
	Sandy Loam	1 to 3 % Organic Matter	Clay Loam
	Silt Loam	Silt Loam	Silt Loam
LINEX [®] 50 DF (lbs.)	3/4 to 1 1/2	1 to 2	1 1/4 to 2 1/4
PLUS			
Lasso (qts.)	2	2 1/2 to 3	3

Replanting: Soybeans or field corn may be replanted within 4 months. Any crop may be planted after 4 months.

Tank Mixture LINEX[®] 50 DF with Bronco — Do not add Paraquat or Roundup to this combination

Product Per Acre	Soil Texture		
	Sandy Loam	1/2 to 3 % Organic Matter	Clay Loam
	Silt Loam	Silt Loam	Silt Loam
LINEX [®] 50 DF (lbs.)	3/4 to 2	1 1/8 to 2 1/2	1 1/4 to 3
PLUS			
Bronco (lbs.)	3 1/4 to 5	4 to 5	4 to 5

Do not use on soils with less than 1 2 organic matter or on sand, loamy sand or much silt as crop injury may result.

Use the high rate of Bronco for dense stubble, heavy crop residue or heavy weed population.

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Replanting Soybeans: Treated fields may be replanted to soybeans if initial seeding fails to produce a stand. Soil should not be reworked. Crop injury may result if second application is applied. Do not replant treated areas to any crop other than soybeans within four months after treatment as injury to subsequent crops may result.

Tank Mixture LINEX[®] 50 DF with Surflan 75W or Surflan AS and Paraquat or Roundup: LINEX[®] 50 DF should be thoroughly mixed with Surflan first in the tank, following direction. Then add Paraquat or Roundup as directed under Paraquat Combinations or Roundup Combinations below.

Product Per Acre	Sandy Loam	Soil Texture	
		1/2 to 3 % Organic Matter	Clay Loam
LINEX [®] 50 DF (lbs.)	3 4 to 1 1/2	1 1/8 to 2	1 1/4 to 2 1/4
PLUS			
Surflan 75W (lbs.)	2/3 to 1	1 to 1 1/3	1 1/3 to 1 2/3
OR			
Surflan AS (qts.)	1.2 to 3/4	3.4 to 1	1 to 1 1/4

Do not feed treated plant parts to livestock.

Replanting: Soybeans may be replanted within 4 months. After 4 months any crop may be planted except do not plant root crops within 12 months.

Tank Mix LINEX[®] 50 DF with Paraquat or Roundup: LINEX[®] 50 DF should be thoroughly mixed with paraquat in spray tank following directions under Paraquat Combinations or Roundup Combinations below.

Product Per Acre	Sandy Loam	Soil Texture	
		1/2 to 3 % Organic Matter	Clay Loam
LINEX [®] 50 DF (lbs.)	1 to 1 2/3	1 1/4 to 2 1/3	1 1/3 to 2 2/3
		2 to 5 % Organic Matter	
LINEX [®] 50 DF (lbs.)	1 2/3 to 3	2 1/3 to 4	2 2/3 to 5

(Over 5 % Organic Matter, Use 6 lbs.)

Replanting: Soybeans or field corn may be replanted within 4 months. Any crop may be planted after 4 months.

Paraquat Combinations — Choose and tank mix one of the above treatments in water. Then add 1 to 2 pints Paraquat (2 lbs. active per gal.) per acre for control of emerged weeds. The higher rate should be used for weeds 4" to 6" tall. Add 1/2 pint of surfactant or spreader per 100 gallons of spray mixture as the last ingredient. Maintain continuous agitation. Use 20 to 60 gallons of water per acre. Use the higher gallonage for dense stubble or vegetation.

Roundup Combinations — Choose and tank mix one of the above treatments. 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 annual weeds. Use 20 to 30 gallons of water per acre.

Bronco Combinations — Mix LINEX[®] 50 DF with water in spray tank as directed on the package label and then add Bronco to the dilute mix. Maintain continuous agitation. Use 20 to 30 gallons of water per acre.

SOYBEANS — Directed Postemergence Application: LINEX[®] 50 DF and 2,4-DB can be tank mixed with Premerge 3 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 on each side of row. Spray drift 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. A pint of surfactant may be added for each 25 gallons of spray mixture. Use a preemergence treatment or cultivation to control early weed growth and to increase the differential between height of soybeans and weeds for best results.

LINEX[®] 50 DF with 2,4-DB — Apply 1 lb. LINEX[®] 50 DF plus 1/5 lb. 2,4-DB per acre when soybeans are at least 8" high and when weeds do not exceed 4" in height. Make a second application if needed, but not more than 2 applications per season.

Do not use on soils with less than 1/2% organic matter. Do not apply more than 2 lbs. LINEX[®] 50 DF per acre per season for postemergence treatments. Do not apply within 60 days of harvest. Do not feed soybean forage or hay to livestock from fields treated postemergence. Harvested soybeans may be used for food, feed or oil purposes.

LINEX[®] 50 DF Alone: Apply 1/2 to 1 lb. LINEX[®] 50 DF per acre for soybeans at least 8" high and when weeds do not exceed 2" in height. A second application should be made at the same rate if new flush of weeds occurs.

A single application of 1 to 2 lbs. of LINEX[®] 50 DF per acre should be made for soybeans at least 12" high and when weeds do not exceed 4" high. A split application can be made of 1 lb. per acre followed by a second application at the same rate after 1 week or later.

NONCROP WEED CONTROL

Apply 2 to 6 lbs. LINEX[®] 50 DF per acre in 40 to 100 gallon of water for short term control of annual weeds on noncropland areas such as roadsides and fence rows. Apply shortly before weed growth begins or at early seedling stage of growth for best results. Add 2 qts. of surfactant per 100 gallons of spray mixture for control of established annual weeds. Apply as a thorough coverage spray during periods when daily temperatures exceed 70°F and before weed growth exceeds 8" in height.

WARRANTY

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

Amiben is a registered trademark of Union Carbide Agricultural Products Company, Inc.
Bronco is a registered trademark of Monsanto Company
Dual is a registered trademark of Ciba-Geigy Corporation
Lexone is a registered trademark of DuPont de Nemours Company
Lasso is a registered trademark of Monsanto Company
Prowl is a registered trademark of American Cyanamid Company
Ramrod is a registered trademark of Monsanto Company
Roundup is a registered trademark of Monsanto Company
Sencor is a registered trademark of Mobay Corporation
Surflan 75W is a registered trademark of Elanco Products Company
Surflan AS is a registered trademark of Elanco Products Company
Tolban is a registered trademark of Ciba Geigy Corporation

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LINEX 50DF
EPA Reg. No. 1812-320

ATTACHMENT 1

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.

ASPARAGUS - California, Michigan, Minnesota, North Carolina, Oregon, Washington only

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

Preemergence Application: Make a single application of 2 to 4 lbs. per acre after planting seed 1½" deep in coarse soil and 1" deep in fine soils. During planting operation, spray activated charcoal 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). Preemergence weed control will be reduced in soils with high organic matter (greater than 5% and peat or muck.)

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

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

Preemergence Application: Make a single application of 2 to 4 lbs. per acre. Preemergence weed control will be reduced in soils with high organic matter (greater than 5% and peat or muck.)

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

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

Note: If more than 4 lbs. LINEX 50DF per acre is applied per season, do not plant any other crop until 1 year after last application. Do not enter areas treated postemergence for 24 hours following application unless protective clothing is worn.

In California, dudain melon and annual nightshade are controlled.

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 lbs. LINEX 50DF per acre in a minimum of 20 gallons of water per acre. Treat only once during the growing season.

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

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CARROTS - Florida, Michigan, Ohio and Wisconsin - Preemergence Application:

ATTACHMENT 2

Entire U.S. - Post Emergence: Apply $1\frac{1}{2}$ to 3 lbs. per acre as a non-directed spray after carrots are at least 3" tall. Apply before annual grasses exceed 2" in height and before broadleaf weeds exceed 6" in height. Repeat application may be made but do not exceed 4 lbs. LINEX 50DF per acre (West of Rocky Mountains, do not exceed 3 lbs. LINEX 50DF per acre). Do not exceed 40 psi spray nozzle pressure as crop injury may result.

LINEX 50 DF may be applied following an application of Stoddard solvent provided treatments are at least one day apart. Stoddard solvent may be applied following application of LINEX 50DF provided treatments are at least 2 weeks apart. Shorter time intervals between applications may result in injury to the crop. Do not apply LINEX 50DF 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 LINEX 50DF 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 LINEX 50DF. Do not reenter treated areas treated postemergence for 24 hours following application unless protective clothing is worn.

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

Do not exceed 40 psi spray nozzle pressure, and do not apply when temperature exceeds 85°F nor as a tank mixture with 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. Do not reenter treated areas for 24 hours following application unless protective clothing is worn.

ATTACHMENT 3

HYBRID POPLAR - Midwest: Apply 2 to 4 lbs. LINEX 50DF per acre before bud break in the spring. For application after bud break, apply 2 to 4 lbs. LINEX 50DF per acre as a directed spray. Spray should be directed at 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 lbs. LINEX 50DF per acre should be applied per year.

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