LINEX 50% DF Dispersable Granule

ACTIVE INGREDIENT:
Linuron [3-(3, 4-dichlorophenyl)-l-methoxy-l-methylurea]......50%
INERT INGREDIENTS:.....50%

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 CORPORATION Valdosta, GA 31603-1847 MCCIPTED

EPA REG. NO. 1812-EPA EST. NO. 181-GA-3

.... 18/2-320

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

Avoid breathing spray mist. Avoid contact with skin and clothing. In case of skin contact, wash with soap and water. In case of contact with eyes, immediately flush with copious amounts of water. Get medical attention if irritation persists. 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.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands. Do not aply where runoff is likely to occur. Do not apply where weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

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

RE-ENTRY STATEMENT

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 enter treated area without protective clothing until sprays have dried.

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 Linuron on (date of application). Do not enter without appropriate protective clothing until spray has dried. In case of accidental exposure see Statement of Practical Treatment.

REQUIRED CLOTHING AND EQUIPMENT FOR MIXING/LOADING AND APPLYING LINURON

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-foreman 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 Taschenberg and Bourke, 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.

GENERAL INFORMATION

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 degree 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 clay 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 temperatures of 70° or 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 soils, uniformity of application and environmental conditions. Follow all label directions on this and any product used in mixtures.

DIRECTIONS

LINEX 50% DF should be used only in accordance with recommendations on this label.

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.

WEED CONTROL AND CROP USE

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

Broadleaf weeds

Ragweed, commen

Smartweed.

Carpetweed
Chickweed
Dayflower, common
Florida pusley
Galinsoga
Goosefoot, Nettleleaf
Lambsquarters
Mustard
Pigweed
Purslane
Radish, wild

Grasses

Barnyardgrass (watergrass)
Canarygrass
Crabgrass
Foxtail (including giant)
Goosegrass
Fall panicum

LINEX 50% DF will provide partial control of the following:

Cocklebur Morningglory, annual Prickly sida (teaweed) Sicklepod Velvetleaf (buttonweed)

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 sprinkler irrigation is necessary after treatment to carry the chemical into the root zone of germination weeds. Best results are obtained if moisture of 1/2" to 1" or 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 i. 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.

POSTEMERGENCE USE - Emergenced Seedling Weeds: LINEX 50% DF will control th. following weeds at recommended rates.

Broadleaf Weeds

Velvetleaf

(buttonweed) Wild buckwheat

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Carpet weed Cocklebur Dayflower, common Dog fennel Fiddleneck (amsinckia) Florida beggarweed Fiorida purslane (Florida pusley) Groundsel Knawel Lambsquarters Morningglory, annual Mustard Nettleleaf goosefoot Piowees Prickly sida (teaweed) Purslane Sesbania Sicklepod Smartweed

Grasses

Barnyardgrass (watergrass)
Broadleaf (signalgrass)
Canarygrass
Crabgrass
Fall panicum
Fextail (including giant)
Goosegrass
Rattail fescue
Ryegrass, annual
Texas panicum

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 gallens per acre) and a spray pressure of 20 to 25 psi to keep spray drift to a minimum.

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.
- 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, compability agents, and activators; add one teaspoon for each pint/100 gallons.
 - (b) Dry ingredients (wettable powders, dry flowables); add one tablespoon 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 with no evidence of coagulation occurring. If compatability is evident, begin test again with a compatability agent added first. Six drops is equivalent to four ounces per 100 gallons. If this does not smooth the mixture, try higher concentrations and other compatability agents.
- 5. Allow the mixture to stand undisturbed thirty minutes. If separation occurs, shake and observe the resulting mixture. If it is smooth, then proceed with spraying provided the tank has good agitation.
 - If not, do not attempt to spray the mixture. You may try:
 - (a) more compatability agents
 - (b) different formulations 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.

Prepare spray 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 Bocky Mountains carrots may be planted 4 months after the last application.

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 varities 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

	Scil Texture 1 to 3 % Organic Matter				
Product per Acre	Sandy Loam	Silt Loam	Clay Loam		
LINEX 50% DF (16s) PLUS	2/3 to 1 1/4	1 to 1 2/3	1 1/4 to 2		
Lasso (quants)	3/4 to 1	1 to 1 3/2	1 1/2 to 2		
		<u> % Organic Matter</u>			
LIMEX 50% DF (1bs) PLUS	1 1/4 to 2	1 2/3 to 2 1/2	2 to 3		
Lasso (quarts)	l to 1 1/2	1 1/2 to 2	2 to 0 1/2		

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

		Soi	l Textur	≘
ì	Łο	3 %	Organic	Matter

	1 60	1 to 3 % Urganic Matter		
<u>Froduct per Acre</u>	Sandy Loam	Silt Loam	Clay Loam	
LINEX 50% DF (16s) FLUS	2/3 to 1 1/3	1 to 1 2/3	1 1/4 to 2	
Rammod (16s)	1 to 2		2 to 3	
	3 to	<u> 6 % Organic Matter</u>		
LINEX 50% DF (16%) PEUS	I 1/3 to 2	1 2/3 to 2 1/2	2 to 3	
Ramrod (16s)	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

Soil Texture
1 to 2 % Organic Matter

		1 to 2 % organic matter			
<u>Product per Ac</u>	re	Sandy Loam	Silt Loam	Clay Loam	
LINEX 50% DF (165)	2/3 to 1	1 to 1 1/2	1 1/3 to 1 2/3	
Atrazine 80% (165)	1/2 to 2/3	2/3 to 1	3/4 to 1	
		2 to 5 %	<u>Organic Matter</u>		
LINEX 50% DF (16s)	1 to 2	1 1/2 to 2 1/2	1 2/3 to 3	
Atrazine 80% (155)	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 lbc LINEX 50% be 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 to 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.

PARSMIPS: 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 - Freemergence 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 \odot 155 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.

Soil Texture	Soi	1 -	ſext	ure
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	Coarse	Medium	
Product per Acre	Sandy Loam	Silt, Loam, Silt Loam	
	1 to 3 %	Organic Maiter	
LINEX 50% DF (16s) PLUS	1 to 1 1/2	1 1/2 to 2	
Dual (pints)	1 1/2	2	
	<u>3 to 5% 0</u>	rganic Matter	
LINEX 50% DF (16s) PLUS	1 1/2 to 2	2 to 2 1/2	_
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 nade 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

Soil Texture

	Coarse	Medium	
Product per Acre	Sandy Loam	Clay Loam, Silt Loam	
	<u> 1 to 2 %</u>	Organic Matter	
LINEX 50% DF (16s)	5/8 to 1) to 1 1/2	
PLUS			
Propazina 80% (1bs)	5/9 to 5/8	5/8 to 1	
	2 to 4 Or	ganic Matter	
LINEX 50% DF (15s)	1 _0 1 1/2	1 to 2	
PLUS			
Propazine 80% (15s)	574 (1)	5/8 to 1 1/4	

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

Tank Mixture LIMEX 50% DF and Renrod - treat Plains

Soil Texture

		1 to 3 % Organic Matter			
<u>Product per A</u>	cre	Sandy Lnam	Silt Loam	<u>Clay Loam</u>	
LINEX 50% DF PLUS	(1bs)	2/3 to 1 1/3	1 to 1 2/3	1 1/4 to 2	
Rammod (lbs)			1 1/2 to 2 1/2 5 % Organic Matter	2 to 3	
LINEX 50% DF PLUG	(lbs)	1 1/3 to 2	1 2/3 to 2 1/2	2 to 3	
Famined (16s)		2 to 3	2 1 T to C AVAILA	BILL COMPA 3 214	

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

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 sorgnum by spray or drift as such contact may cause crop injury.

Do not graze livestock in treated areas.

SOYBEANS - Preemergence Application

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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 to 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, Frowl 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 Toltan labels.

LINEX 50% DF Alone - Add 1 pint surfactant for each 25 gallons of spray mixture if weeds have emerged.

	1 1/2 3	Soil Texture to 2% Organic Matter	
Product per Acro	Sandy Loam	Silt Loam	Clay Loam
LINEX 50% DF (1bg)	_ +	1 1/4 to 2 1/3 to 5 % Organic Matter	1 1/3 to 2 2/3
LIMEX 50% DF (155)	1 2/2 to 3	2 1/3 tc 4	2 2/3 to 5 matter, use 6 lbs

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



This tank mix controls the following:

Barnyardgrass
Broadleaf signalgrass
Fall panicum
Foxtails
Goosegrass
Hemp sesbania
Lambsquarters
Pigweed
Prickly sida
Ragweed
Sicklepod
Signalgrass

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This tank mix partially controls cocklebur and jimsonweed.

Tank Mixture LINEX SOX DF with Lexene DF Merbicide and Lasso

	l to 3 Coarse	Soil Texture 5% Organic Matter Medium Loam, Silt loam, Silt, Sandy clay	Fine Silty clay, Silty clay loam, clay
<u>Product per Acre</u>	Sandy Loam	Sandy clay loam	Clay loam
LINEX 50% DF (16s) PLUS	1/3 to 1/2	1/2 to 3/4	3/4 to 1 1/2
Lexane DF()bs) PLUS	1/6 to 1/4	1/4 to 1/3	1/3 to 1/2
Lasso (gts) PLUS	3/4 to 1	1 to 1 1/2	1 1/4 to 2
	3 to	o 6% Organic Matter	
LINEX 50% DF (16s) FLUS	1/3 to 3/4	3/4 to 1 1/2	1 1/2 to 2
Lexone DF (1bs) PLUS	1/4 to 1/3	1/3 to 1/2	1/2 to 2/3
Lasco (qts)	1 to 1 1/2	1 1/2 to 2	2 to 3

NOTE: Soybean varietics such as Altona, Coker 102 and 154, Govan, NKs 1884, Semmes, Tracy, Vansey, Terra Vig 505 and 606, and AP 71 are sensitive to Lexone DF. If Lexone DF is used on these varieties, injury may occur. Telerance to Lexone DF should be determined before use on any other saybean variety. If Lexone DF is used on soils having a calcareous surface layer of pH of 7.5 or higher, or if used in conjunction with soil applied organe phosphate posticides such as Dasanit, Disystem, Mocap, Nemacur, Thimet, Parathion, Lorsban, 156 or Counter, injury to soybeans may occur.

Do not feed treated plant parts to livestock. If atrazine ω

This tank mix controls the following:

Barnyardgrass
Broadleaf signalgrass
Fall panicum
Foxtails
Goosegrass
Hemp sesbania
Lambsquarters
Pigweed
Prickly sida
Ragweed
Sicklepod
Signalgrass

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This tank mix partially controls cocklebur and jimsonweed.

Tank Mixture LINEX 50% DF with Lexone DF Herbicide and Lasso

	l to : Coarse	Soil Texture 3% Organic Matter Medium Loam, Silt loam, Silt, Sandy clay	Fine Silty clay, Silty clay loam, clay
<u>Product per Acre</u>	<u>Sandy Loam</u>	Sandy clay loam	Clay loam
LINEX 50% DF (15s) FLUS	1/3 to 1/2	1/2 to 3/4	3/4 to 1 1/2
Lexone DF(1bs) FLUS	176 to 174	./4 to 1/3	1/3 to 1/2
Lasso (qts) FLUS	3/4 to 1	1 to 1 1/2	1 1/4 to 2
	7	o 6% Organis Matter	
LINEX 50% DF (16s) PLUS	1/3 to 3/4	3/4 to 1 1/2	1 1/2 to 2
Lexone DF (16s) PLUS	174 to 173	1/0 to 1/2	1/2 to 2/3
Lasso (qts)	1 to 1 1/2	1 172 to 3	2 to 2

NOTE: Soybean varieties such as Altona. Coker 102 and 156, Govan, Mts 1884, Sommed, Bracy, Vansoy, Terms Vig 500 and 500, and 60 71 are rentilize to Lowers 60. If Lemone DF is used on these varieties, injury may occur. Polarante to Lemone DF should be determined before use on any other hoppican variety. If Lemone DF is used on soils having a calcareous surface layer of pH of 7.5 or higher, or if used in conjunction with soil applied organo phosphate posticides such as Dasanit, Disyston, Modap, Memacur, Thimet, Parathion, Lonstan, 156 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 \mathbb{S}^n), excessive mointure, high soil pB of $^{\prime}$.5 or higher, high soil tencentration or drought.

Cultivation After Planting:

Treated soil may be shallow-cultivated, rotary hoed or hand hoed without reducing the weed centrol 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

	Soil Texture 1/2 to 3% Organic Matter				
<u>Product per Acre</u>	Sandy Louim	Silt Loam	Clay Loam		
LINEX 50% DF (16s) FLUS	2/3 to 1 1/4	1 to 1 2/3	1 1/4 to 2		
Lasso (qts)	3/4 to) 3 to 6% Ond	1 to 1 1/2 anic Matter	1 1/2 to 2		
LINEX 50% DF (1bs) PLUS	1 1/4 to 2	1 2/3 to 2 1/2	2 to 3		
Lasso (qts)	1 to 1 1/2	1 1/2 to 2	2 to 2 1/2		

For control of black nightshade apply:

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<u>Product per Acra</u>	<u>Sandy Leam</u>	Si)t Loam	<u> </u>
LINEY 50% DF (15s)	3/4 to 1 1/2	1 to 1 2/3	1 1/4 to 2
FLUS			
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 Lexand DF and Dual 8E

Control common required, prickly cide, sickleped, hemp sectioniz, lambsquarter, pigweed, and partially centrals of cocklebur, and immediately

	l/2 15 Coarse	Stol Tectore 3% Organic Matter Medium	Fine
		Loam, Silt loam,	
Product per Acre	Sandy Loam	Silt, Sandy clay Sandy clay loam	clay loam, clay Clay loam
LINEX SOX DF (15s) PLUS	1/3 to 1/2	1/2 to 3/4	3/4 to 1 1/2
Lexone DF(2bs) PLUS	176 to 174	1/4 to 1/3	1/3 to 1/2
Dual BE (pts)		1 374 to 1 172 6% Organic Matter	_
LIMEX 50% DE (165) PLUS		3/4 to : 1/2	
Lexone DF (16s) PLUS	1/4 to 1/3	1/3 to 1/2	1/2 to 2/3
Dual 8 E (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, Sommes, 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 of pH of 7.5 or higher, or is used in conjunction with soil applied organe phosphate pesticides such as Dasanit, Disyston, Mocap, Nemacur, Thimet, Parathion, Lorsban, 156 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 scybean seedlings are weakened because of seedling disease, cold weather, deep planting (more than 2"), excessive moisture, high soil pH of 7.5 or higher, high salt concentration or drought.

Cultivation After Planting:

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Treated soil may be shallow-cultivated, rotary hoed or hand heed 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 soybcans 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 SE

Soil Texture 1/2 to 3% Organic Matter Product per Acre Sandy Loam Silt Loam _Clay Leam LINEX 50% DF (15s) 2/3 to 1 1/4 1 to 1 2/3 1 1/4 to 2 PLUS Dual 8E (pts) 1 1/4 1 - 1/22 3 to 6% Organic Matter 1 1/4 to 2 1 0/3 to 2 1/2 LINEX 50% DF (15s) PLUS Dual SE (pts) 3 1/2 2 to 2 1/2

Do not feet 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 Object

Soil Texture
1 to 3% Organic Natter

Froduct per Acre Sandy Loam Silt Loam Clay Loam

LINEX 50% DF (1bs) 5/4 to 1 1/2 1 to 1 2/3 1 1/4 to 2 1/2

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

Froduct per Acre	Soil Texture 172 to 3% Organic Matter		
		Silt Loam	Clay Loam
LINEX 50% DF (1bs)	2/3 to 1 1/4	1 to 1 2/3	1 1/4 to 2
Surflan 75W (16s)	2/3 to 1	1 to 1 1/3	1 1/3 to 1 2/3
Surflan AS (gts)	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.

Soil Texture

Tank Mixture LINEX 50% DF with Prowl

		1 to 3%	Organic Matter	
	<u>Product per Acre</u>	Sandy Loam	Silt Loym	<u> Clav Loam</u>
	LINEX 50% DF (1bs)	3/3 to 1 1/4	1 to 1 2/3	1-1/4 to 2
(]	Proul (pts)	1 to 1 1/2 3 to 6%	1 1/2 to 2 Organic Matter	1 1/2 to 2
	LINEX 50% DF (16s) PLUS	1 1/4 to 2	1 2/3 to 2 1/2	2 to 3
	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 Minture LIMEX 50% DF with dmiber

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	Soil Testure		
		% Organic Matter	
Product per Acre	Sandy Loam	<u> Silt Laem</u>	<u>Clay Loam</u>
LIMEX 50% DF (16s) PLUS	2/3 to 1 1/4	1 to 1 2/3	1 1/4 to 2
Amiben (qts)	3	3	4
\$100 to	3 to 6% (Organic Matter	
LINEX 50% DF (16s) FLUS	1 1/4 to 2	1 2/3 to 2 1/2	2 to 3
Amiben (qts)	3	4	Či.

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 Rammod - Seed Crop Only

Soil Texture
1 to 3% Organic Matter

	i (U 3/	r on av ordanie ugecer	
<u>Froduct per Acre</u>	Sandy Loam	Silt Loam	Clay Loam
LINEX 50% DF (1bs) FLUS	2/3 to 1 1/4	1 to 1 2/3	1 1/4 to 2
Ramrod (1bs)		1 1/2 to 2 1/2 Organic_Matter	2 to 3
LINEX 50% DF (16a) PLUS	1 1/4 to 2	1 2/3 to 2 1/2	2 to 3
Ramrod (165)	2 to 3	2 1/2 to 4	3 to 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

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LINEX 50% DF preemergence to coyboans may be used with paraquat, Bronco or Roundup in tank mix combinations for preemergence and postemergence control of many procedural 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 of spray mixture.

Tank (butume LIPEX 50% DF with Labso and Panaguat or Roundup

EINEX 50% DF and Lasse should be thomoughly mistd first alcording to directions. And paraguat on Paunoup of Cirected index Paraguat combinations on Roundup continuations below

Scil Texture 1/2 to 3% Organic Matter Froduct per Scree Sandy Loam Silt Loam Clay Loam LINEX 50% OF () 6a) 3/4 to 1 1/2 1 1/8 to 2 1 1/4 to 2 1/4 PLUS Lasso (gts) 2 2 1/2 2 1/2 3 to 6% Organic Matter LINEY 50% DF (15s) 1 1/2 to 2 8/5 2 to 3 2 1/4 to 3 1/2 PU US Larso (qis) $-2 \cdot 1 \cdot (2)$

For control of black nightshade apply:

		Soil Texture	
	1 to 3% (Organic Matter	
<u>Product per Acre</u>	Sandy Loam	Silt Loam	Clay Loam
LINEX 50% DF (16s)	3/4 to 1 1/2	1 to 2	1 1/4 to 2 1/4

PLUS Lasso (gts) 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 paraguat or Roundup to this combination

<u>Froduct per Acre</u>	1/2 to		
	Sandy Loam	Silt Loam	<u> </u>
LIMEX 50% DF (1bs) PLUS	3/4 to 2	1 1/8 to 2 1/2	1 1/4 to 3
Bronco (15s)	3 1/4 to 5	4 to 5	/ to 5

Do not use on soils with less than 1/2 organic matter or on sand, loamy sand or suc's soils as crop injury may result.

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

Replanting Soybeans: Treated fields may be replanted to seybeans 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 Saraquat or Roundup

LIMEY DOM DA should be thoroughly mixed with Sumilar winst in the tent. Following direction. Then add parkquat or Roundup as directed under Parkquat Combinations below

		Boil Texture		
		Organic Matter	Clay Loam	
<u>Product per Acre</u>	Sandy Loam	Silt Loam	Cia; Louin	
LINEX SOW DF (16s)	3/4 to 1 1/2	1 1/8 to 2	1 1/4 to 2 1/4	
PLUS Surflan 75W (1bs)	2/3 to 1 to 5	1 to 1 1/3	3/4 to 1	
OR Surflan AS (qts)	1/2 to 3/9	374 to 1) to 1 1/4	

Do not feed treated plant parts to livestest.

Replantine: Devocans may be replanted within 4 months. Aster 4 months are proposed by 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.

Soil Texture

(Over 5% organic matter, use 6 lbs)

	SSII TERRORE			
	1/2 to 3	1/2 to 3% Organic Matter		
Product per Acre	Sandy Loam	5ilt Loam	Clay Loson	
LIMEY 50% DF (16s)	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 (16s)	1 2/3 to 3	2 1/3 to 4	2 2/3 to 5	

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) to 2 pints paraquat (2 lbs active per gal.) per acre for control of emerged meeds. 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 50 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 Rounder per acrd 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 !.INE ! 50% DF with water in spray tank as directed or the package label and then add Bronco to the dilute mix. Maintain continuous agitation. Use 20 to 30 gallons of water per acre.

SOYBEARS - Directed Postemergence Application

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LINEX 50% DF and 2,4-DB car be tank meature with Promerge 3 as a directed spray to cover weed foliago with minimum contact of the sovbean plant. Do not spray higher than 3" or the soybear stem or crep injury may result. Do not spray over top of sovbean plants. For presentat application, use a single flood type opray needle """ series or equivalent) per middle sounter or an eiling phase or guage wheels, one on each order of row. Spray drift may cause crop injury. Do not exceed needle pressure of 25 points use notable 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-D8 - Apply 1 15 LINEX 50% DF plus 1/5 15 $^\circ$ 2,4-D8 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 (or 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 1b 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 polybeans at least $12^{\prime\prime\prime}$ high and when weeds do not exceed $4^{\prime\prime\prime}$ high. A split application can be made of 1 lb per acre followed by a record application at the same rate after ℓ week or later.

NONCROP WEED CONTROL

Apply 2 to 6 lbs LINEX 50% DF per acre in 40 to 100 gallons 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.

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 methodols, 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, posial or indirect damages resulting from the use or bandling of this product. (If such risks shall be assumed by the Buyer. GRIFFIN MAKES NO MARKANTIES OR MERCHARTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXCREDS OR INPLIED WARRANTY EXCEPT AS STATED ABOVE.

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