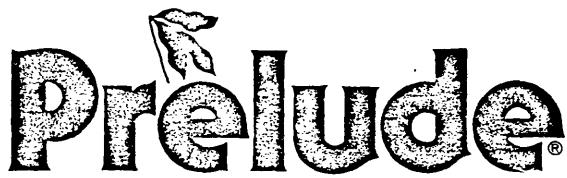


1:

RESTRICTED USE PESTICIDE. For retail safe to and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.



EW HERBICIDE

## ACCEPTEE

DEC 1 1 1987

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. Ng. Keep Out of Reach of Children



DANGER

DO NOT USE OR STORE IN OR AROUND THE HOME.

#### ONE SWALLOW CAN KILL!

SYMPTOMS ARE PROLONGED AND PAINFUL. ONSET OF SYMPTOMS MAY BE DELAYED FOR UP TO 3 DAYS AFTER SWALLOWING.

## PELIGRO PRECAUCION AL USUARIO:

Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE.

NEVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS.

READ DANGER STATEMENTS AND WORKER SAFETY RULES ON BACK PANEL.

Active Ingredient:
Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)

Metolachlor:
2 chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl) acetamide
1 nert Ingredients:

TOTAL

By Wt. 7.4%

7.4%

Net Contents: 2½ U.S. GALLONS (9.46 LITERS)



EPA Est. No. 5905-AR-1 EPA Reg. No. 10182-





## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS



Corrosive: Causes Eye and Skin Damage. Can Kill if Swallowed.

May Be Harmful or Fatal If Absorbed Through Skin or Inhaled.

May Cause Allergic Skin Reactions.

#### WORKER SAFETY BULES

DO NOT get on skin, eyes or clothing. DO NOT inhale spray mist. WASH SPLASHES from skin and eyes immediately. REMOVE and wash contaminated clothing. WASH before eating, smoking and drinking.

WEAR full face shield, rubber gloves and apron and waterproof footwear when pouring concentrate or when exposure to concentrate is possible.

WEAR waterproof footwear and protective clothing when spraying outside of an enclosed cab or aircraft or when contacting vegetation wet with spray.

#### STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED — IMMEDIATELY induce vomiting by inserting finger in throat. Administer fluids and induce further vomiting Get to a hospital or physician fast. PROMPT TREATMENT IS ESSENTIAL and must be initiated before signs and symptoms of injury appear lible to Physicians: Cell ICI Americas Medical Emergency Information Center 800/327-8633 (Dial 1-800-F-A-S-T-M-E-D), at any hour to obtain toxicology and medical management consultation, a supply of bentonite clay, and paraquat analysis. Symptoms following ingestion may be delayed up to 3 days. To be effective, treatment for paraquat poisoning must begin IMMEDIATELY. Treatment consists of binding paraquat in the blood by prolonged charcoal hemoperfusion or continuous hemodialysis.

**BKIN CONTACT** — IMMEDIATELY wash with soap and water. Remove and wash all contaminated clothing with soap and hot water before reuse. Prolonged contact will cause severe irritation. Contact with irritated skin, or a cut, or repeated contact with intact skin may result in poisoning.

EYE CONTACT — IMMEDIATELY wash eyes with water for at least 15 minutes and get medical attention. Contact may cause eye injury.

INNALATION — IMMEDIATELY get away from spray mist. Exposure may cause irritation, nose bleeds and may lead to poisoning. Stop and check spray procedure. Follow Worker Safety Rules.

### DIRECTIONS FOR USE

It is a violation of Federal law and may endanger the applicator or third parties to use this product without complying with all label directions and warnings. READ ENTIRE LABEL USE STRICTLY IN ACCORDANCE WITH DANGER STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS. NOTE: Do Not Use Around Home Gardens, Schools, Recreational Parks, or Play-orounds.

Refer to Supplemental Pamphlet for Use Directions.

#### REENTRY STATEMENTS

DO NOT enter treated areas without protective clothing un'il sprays have dried. AVOID working in spray mist. If there is risk of exposure, wear goggles and approved face mask capable of filtering spray droplets.

KEEP all unprotected persons out of operating areas or vicinity where there may be danger of drift.

Certain states may require more restrictive reentry Intervals; consult your State Department of Agriculture for further information.

Written or oral warnings regarding use of protective ciothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated.

IMPORTANT: The effect of swallowing paraquat is far more severe than that which usually results from skin contact or inhalation of spray mist. No opportunity for mist or product to cause serious injury or death should arise when used in strict compliance with these rules but the opportunity may arise in case of gross violations so strictly follow all these rules as it goer life depends on it.

#### STORACE AND DISPOSAL

PRONIBITIONS: Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

STORAGE: Store at temperatures above 32°F. Do not contaminate feed, foodstuffs or drinking water. Do not store next to feed or food, or transport in or on vehicles containing foodstuffs or feeds. For help with any spill, leak, fire or exposure involving this material, call CHEMTREC 800/424-9300.

PESTICIDE DISPOSAL: This product is acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Do not reuse container. Incineralle, burn or puncture and dispose of in a sanitary landfill, or dispose of by other procedures allowed by State and local authorities.

#### **ENVIRONMENTAL SAFETY CAUTIONS**

WILDLIFE: This product is toxic to wildlife. Birds and other wildlife in treated areas may be killed.

Do not apply directly to water.

BRIFT: This product is a contact herbicide that kills all green plant tissue. Do not apply under conditions involving possible drift to food, forage, or oit apply that might be damaged or the crops thereof rendered until for sule, use, or consumption. Do not apply when weather conditions favor drift from areas treated. For aerial applicators use, do not apply during periods of thermal inversion to avoid drift.

CKEMICAL MAXARS: This product reacts with aluminum to produce hydrogen gas which may form a highly combustible gas mixture. Such gas could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette, or other ignition source. Do not mix or store in containers, spray tanks, rurse tanks, or such systems made of aluminum or having aluminum fittings. After gful on with water to spray concentrations, spray systems made of, or containing aluminum parts, may be used but should not be used for extended (overnight) storage.

EQUIPMENT/CONTAINERS: Flush all spray equipment with water after use each day. This product is corrosive to aluminum. Aluminum spray equipment and aluminum aircraft structures that are exposed to spray solution or spray drift should be flushed thoroughly with water immediately after use.

CONDITIONS OF SALE: 1. ICI Americas Inc. (ICIA) warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. ICIA neither makes, nor authorizes any agent or representative to make, any other warranty of FITNESS or MERCHANTABILITY, guarantee or representation, express or implied, concerning this material.

2. Critical and unforeseeable factors beyond ICIA's control prevent it from eliminating all risks in connection with the use of chemicals. Such risks include, but are not limited to, Jamage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by ICIA under 1 above) resulting from handling, storage and use of this material.

ACD 574-006 E/G

RESTRICTED USE PESTICIDE. For retail sale in and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's contribution.



GRASS CONTROL IN SOYBEANS AND SORGHUM

# Supplemental Pamphlet

Directions For Use Read Worker Safety Rules



KEEP OUT OF REACH OF CHILDREN.



WASH AND DESTROY CONTAINER
WHEN EMPTY.
NEVER REUSE.

### TO PREVENT ACCIDENTS, EVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS.

DO NOT USE OR STORE IN OR AROUND THE HOME.

DO NOT POUR FROM ORIGINAL CONTAINER EXCEPT FOR IMMEDIATE USE.

ONE SWALLOW CAN KILL.

SYMPTOMS ARE PROLONGED AND PAINFUL.
ONSET OF SYMPTOMS MAY BE DELAYED
FOR UP TO 3 DAYS AFTER SWALLOWING.

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## PELIGRO PRECAUCION AL USUARIO:

Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

Read Danger Statements and Worker Safety Rules on Page 2.

Active Ingredient:	By Wt.
Paraquat dichloride (1,1'-dimethyl-4,4'-	
bipyridinium dichloride)	7.91%
•	
Metolechlor;	
2 chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-	
1 http://dechyl.com/de	22.91%
Ingredients:	69.18%
Total	100.00%

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### DANGER

Corrosive, Causes Eye And Skin Damage.
May Be Harmful or Fatal
If Absorbed Through Skin or Inhaled.
May Cause Allergic Skin Reactions.

#### **WORKER SAFETY RULES**

DO NOT get on skin, eyes or clothing.

DO NOT inhale spray mist.

WASH SPLASHES from skin and eyes immediately.

REMOVE and wash contaminated clothing.

WASH before eating, smoking and drinking.

WEAR full face shield, rubber gloves and apron and waterproof footwear when pouring concentrate or when exposure to concentrate is possible.

WEAR waterproof footwear and protective clothing when spraying outside of an enclosed cab or aircraft or when contacting vegetation wet with spray.

#### STATEMENT OF PRACTICAL TREATMENT

#### IF SWALLOWED

IMMEDIATELY induce vomiting by inserting finger in throat. Administer fluids and induce further vomiting. Get to a hospital or physician fast. PROMPT TREATMENT IS ESSENTIAL and must be initiated before signs and symptoms of injury appear. Note to Physicians: Call ICI Americas Medical Emergency Information Center 800/327-8633 (Dial 1-800-F-A-S-T-M-E-D) at any hour to obtain toxicology and medical management consulta-.... tion, a supply of bentonite clay, and paraquat analysis. Symptoms following ingestion may be delayed up to 3 days. To be effective, treatment for paraquat poisoning must begin IMMEDIATELY. Treatment consists of binding paraquat in the gut with suspensions of bentonite clay or charcoal and removal of paraquat from the blood by prolonged charcoal hemoperfusion or continuous hemodialysis.

#### SKIN CONTACT

IMMEDIATELY wash with soap and water. Remove and wash all contaminated clothing with soap and hot water before reuse. Prolonged contact will cause severe irritation. Contact with irritated skin, or a cut, or repeated contact with intact skin may result in poisoning.

#### **EYE CONTACT**

IMMEDIATELY wash eyes with water for at least 15 minutes and get medical attention. Contact may cause eye injury.

# BEST AVAILABLE COPY

#### INHALATION

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IMMEDIATELY get away from spray mist. Exposure may cause irritation, nose bleeds and may lead to poisoning. Stop and check spray procedure. Follow Worker Safety Rules.

#### **DIRECTIONS FOR USE**

It is a violation of Federal law and may endanger the applicator or third parties to use this product without complying with all label directions and warnings.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH DANGER STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS. READ DANGER AND FIRST-AID TREATMENT AND WORKER SAFETY RULES ON PAGE 1.

NOTE: Do Not Use Around Home Gardens, Schools, Recreational Parks, or Playgrounds.

Always use a nonionic spreader surfactant approved for use with food crops and which contain at least 75% surface active ingredients.

Screen size in nozzle or line strainers should be no finer than 50 mesh.

Do not use dirty or muddy water for PRELUDE dilution because PRELUDE will be inactivated.

Do not combine PRELUDE herbicide with liquid fertilizer solutions except as specified below.

PRELUDE herbicide and PRELUDE tank mixes may be applied in liquid nitrogen and/or complete liquid fertilizer solutions (follow label recommendations for crop involved) when 20 to 60 gals. of dilute solution are applied per acre in combination with 1 to 2 pts. of Spreader (nonionic) per 100 gals. Equipment must be adjusted and calibrated to obtain thorough coverage of undesirable vegetation. Inadequate coverage and/or the absence of Spreader (nonionic) will result in a severe reduction of PRELUDE activity. Phosphate containing liquid fertilizer solutions will reduce the activity of PRELUDE. When liquid fertilizer solutions containing phosphorous are used with PRELUDE and a more rapid kill is desired, use the high PRELUDE label rate.

DO NOT combine with suspension-type liquid fertilizers because the activity of PRELUDE will be reduced.

# PREPLANT OR PREEMERGENCE USES: CONSERVATION TILLAGE

PREPLANT OR PREEMERGENCE USE - For Kill of Emerged Annual Broadleaf Weeds and Grasses and for Top Kill and Suppression of Perennials - Apply when the weeds and grasses are succulent and growth is from 1" to 6" high (larger plants are less affected by this treatment). Note: To prevent injury to germinating crop seedlings, do not apply preplant or preemergence to soits lacking clay minerals, i.e., peat, muck, pure sand, or artificial planting media.

#### SORGHUM: (CONCEP II TREATED SEED)

PRELUDE alone. Sorghum seed not treated with CONCEP II will be severely injured by PRELUDE application. Broadcast as a ground spray before, during, or after planting, but before crop emergence. Apply the recommended rate of PRELUDE from Table 1 in 20 to 60 gals. of diluted spray per acre. Add Spreader (nonionic) at 1 pt. per 100 gals. of diluted spray.

TABLE 1
PRELUDE SORGHUM: Broadcast Rates Per Acre

Soil Type	PRELUDE A	Note	
Coarse	4 qts	Apply not more than 2 weeks prior to planting	
Medium	41/2 qts	Apply within 30 days prior	
Fine	5 qts	to planting	

#### **LIMITATIONS AND PRECAUTIONS:**

Under high moisture conditions prior to sorghum emergence, injury may occur. The crop will normally outgrow this effect.

Plant seed at least 1" deep on flat or raised seedbeds only or injury to the crop may result.

Do not use PRELUDE for crops grown under dry mulch tillage or injury may occur.

#### Tank Mix with AATREX;

Broadcast the recommended rates of PRELUDE, and AATREX from Table 2 as a ground spray before, during, or after planting but batore crop emergence. Apply in 20-60 gals. of diluted spray per acre. Add Spreader (nonionic) at 1 to 2 pints per 100 gals. diluted spray. Water or nitrogen solutions may be used as carrier. Add AATREX to spray tank first, mixing thoroughly with carrier. Then add PRELUDE, and Spreader (nonionic). Constant agitation is recommended at all times. Refer to AATREX label for directions, limitations, cautions and for a list of weeds controlled by preemergence activity of AATREX.

TABLE 2

PRELUDE Plus AATREX - Sorghum Broadcast Rates Per Acre		
Soil Type	PRELUDE A	AATREX (lbs ai/Ac)
Coarse	Do Not Use	
Medium Greater than 1.5% OM	41/2 qts	1½ to 1½
Fine Less than 1.5% OM Greater than 1.5% OM	4½ qts 5 qts	1½ to 1% 1% to 2

LIPTATIONS AND PRECAUTIONS: Do not use on am soils with less than 1.5% organic matter.

Use within 30 days prior to planting.

Under high moisture conditions prior to sorghum emergence, injury may occur. The crop will normally outgrow this effect.

Do not use PRELUDE for crops grown under dry mulch tiliage or injury may occur.

This tank mix will not control volunteer sorghum or shattercane which emerges after application.

PRELUDE USED ALONE: Apply PRELUDE at rates recommended in Table 3, below preplant or regence to the crop as a ground-applied broadcast spray. Apply in 20 to 60 gallons of diluted spray per acre. Add a nonionic spreader at 1 pint per 100 gallons of diluted spray.

TABLE 3

adcast Rates Per Acre	<u> </u>	
.5% to less than 3% Organic Matter	3% Organic Matter Or Greater 4 qts	
3 qts		
4 qts	4 qts	
4 qts	5 qts	
Do Not Use	Do Not Use	
	Organic Matter 3 qts 4 qts 4 qts	

MUM-TILLAGE OR NO-TILLAGE SYSTEMS:

Apply 2/3 the recommended rate of PRELUDE from Table 3 above as a split treatment 30-45 days prior to planting and the remainder at planting. Applications made less than 30 days before planting may be as either a split or single treatment. Apply 3 to 4 qts/Ac on coarse soils not more than 2 weeks prior to planting.

#### TANK MIX WITH SENCOR OR LEXONE:

- 1

Broadcast the recommended rates of PRELUDE and SENCOR or LEXONE from Table 4 as a ground spray before, during, or after planting but before crop emergence. Apply in 20-60 gals, of diluted spray per acre. Add Spreader (nonionic) at 1 pint per 100 gals, of diluted spray.

Add SENCOR or LEXONE to the spray tank first, mixing thoroughly in carrier. Then add PRELUDE and Spreader (\*\* onic). Constant agitation is recommended at all es. Refer to SENCOR or LEXONE labels for directors, limitations, cautions, and for a list of weeds controlled by preemergence activity of those products.

TABLE 4

EM

		OR or LEXONE Spray Rates* Pe	
Soil Type	PRELUDE,	LEXONE or SENCOR + (lb ai/Ac)	Note
Coarse	21/2-3 qts	1/4-2/6	Loamy sand with
Medium	3-4 qts	36-16	greater than 2%
Fine	4-5 qts	1/4	OM <u>only</u> .

\*Use the lower rate on soils containing less than 3% organic matter. Use higher rate on soils containing 3% or more organic matter.

LIMITATIONS AND PRECAUTIONS: To avoid crop injury, DO NOT USE on soils of less than 0.5% O.M., on alkaline soils with a pH of over 7.4, or on all sands and on loamy sands of less than 2% O.M.

If heavy rains occur soon after applications, crop injury may occur, especially in poorly drained areas where water stands for several days or where the seeding slit has not been properly closed.

#### TANK MIX WITH LOROX:

Broadcast the recommended rates of PRELUDE, and LOROX from Table 5 as a ground spray before, during, or after planting but before crop emergence. Apply in 20-60 gals. of diluted spray per acre. Add Spreader (nonionic) at 1 pint per 100 gals. of diluted spray. Add LOROX to tank first, mixing thoroughly in water. Then add PRELUDE and Spreader (nonionic). Constant agitation is recommended at all times. Refer to LOROX label for directions, limitations, cautions, and for a list of weeds controlled by preemergence activities of LOROX.

TARLER

	EW		
	E <sub>a</sub> plus LOROX - s Broadcast Ra		
Soil Type	PRELUDE +	LOROX (lb sl/Ac)	Note
Coarse	21/2-3 qts	<del>4-2</del> 5	Use on loamy
Medium	3-4 qts	1/-1/-	sands in N.E. U.S.
Fine	4-5 qts	<b>%</b> -1%	with O.M. greater than 1% <u>only</u>

<sup>\*</sup>Use the lower rate on soils containing less than 3% organic matter. Use higher rate on soils containing 3% or more organic matter.

DO NOT use on solls with less than 0.5 % O.M. or injury may occur.

ONLY water should be used as a carrier with this tank mix.

#### REENTRY STATEMENTS

DO NOT enter treated areas without protective clothing until sprays have dried.

AVOID working in spray mist. If there is risk of exposure, wear goggles and approved face mask capable of filtering spray droplets.

'EEP all unprotected persons out of operating areas or vicinity where there may be danger of drift.

Certain states may require more restrictive reentry intervals; consult your State Department of Agriculture for further Information. Written or oral warnings regarding use of protective clothing and accidental exposure must be given to workers who are expected to be in treated areas or in areas about to be treated.

IMPORTANT: The effect of swallowing paraquat is far more severe than that which usually results from skin ontact or inhalation of spray mist. No opportunity for mist or product to cause serious injury or death should arise when used in strict compliance with these rules, but the opportunity may arise in case of gross violations, so strictly follow all these rules as if your life depends on it.

#### STORAGE AND DISPOSAL

#### **PROHIBITIONS**

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

#### STORAGE

Store at temperatures above 32°F. Do not contaminate feed, foodstuffs or drinking water. Do not store next to feed or food, or transport in or on vehicles containing foodstuffs or feeds. For help with any spill, leak, fire or exposure involving this material, call CHEMTREC 800/424-9300.

#### **PESTICIDE DISPOSAL**

This product is acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### **CONTAINER DISPOSAL**

Triple rinse (or equivalent). Do not reuse container. Incinerate, burn, or puncture and dispose of in a sanitary landfill, or dispose of by other procedures allowed by State and local authorities.

#### **ENVIRONMENTAL SAFETY CAUTIONS**

)LIFE

s product is toxic to wildlife. Birds and other wildlife in uested areas may be killed. Do not apply directly to water.

#### DRIFT

This probables a contact herbicide that kills all green plant tissue. Do not apply under conditions involving possible drift to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sala, use, or consumption. Do not apply when weather conditions favor drift from areas treated. For aerial applicators use, do not apply during periods of thermal inversion to avoid drift.

#### **CHEMICAL HAZARD**

roduct reacts with aluminum to produce hydrogen which may form a highly combustible gas mixture. Such gas could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette, or other ignition source. Do not mix or store in containers, spray tanks, nurse tanks, or such systems made of aluminum or having aluminum fittings. After dilution with water to spray concentrations, spray systems made of, or containing aluminum parts, may be used but should not be used for extended (overnic' 'storage.

#### **EQUIPMENT/CONTAINERS**

Flush all spray equipment with water after use each day.

This product is corrosive to aluminum. Aluminum spray equipment and aluminum aircraft structures that are exposed to spray solution or spray drift should be flushed thoroughly with water immediately after use.

CONDITIONS OF SALE: 1. ICI Americas Inc. (ICIA) warrants that this material conforms to the chemical description on the label and is reasonably fit for use as directed hereon. ICIA neither makes, nor authorizes any agent or representative to make, any other warranty of FITNESS or of MERCHANTABILITY, guarantee or representation, express or implied, concerning this material.

2. Critical and unforeseeable factors beyond ICIA control prevent it from eliminating all risks in connection with the use of chemicals. Such risks Include, but are not limited to, damage to plants and crops to which the material is applied, lack of complete control, and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for the uses stated hereon and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability (except those assumed by ICIA under 1 above) resulting from handling, storage and use of this material.

