

(ICI ROUNDEL)

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PM25
10182-244

ERADICANE• EXTRA
Selective Herbicide

Pre-plant Incorporated Liquid Herbicide
for Tough Weed Control in Corn
(Field, Sweet, Silage and Popcorn)

ACCEPTED
MAR 20 1989
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 10182-244

ACTIVE INGREDIENT:

S-ethyl dipropylthiocarbamate..... 72.2%

INERT INGREDIENTS:..... 27.8%
100.0%

6-E Contains 6.0 lbs. Active Ingredient Per Gallon

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified:
Country: United States of America. Patent Nos. 4,021,224; 4,137,070 and other patents pending.

_____ Gal Net _____ L

EPA Reg. No. 10182-244
EPA Est. No.

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RS-890120

Made in U.S.A. by
ICI AMERICAS Inc.
AGRICULTURAL PRODUCTS
WILMINGTON, DE 19897

Keep Out of Reach of Children

C A U T I O N

Harmful if Swallowed

Statement of Practical Treatment

FIRST AID

Immediately start the procedures below. If further treatment is required contact a Poison Center, a physician, or the nearest hospital.

IF SWALLOWED: Immediately give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

FOR EYE CONTACT: Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

FOR SKIN CONTACT: Flush all affected areas with plenty of water for several minutes. Remove and clean contaminated clothing and shoes. Seek medical attention if irritation occurs.

IF INHALED: Remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

FOR 24 HOUR EMERGENCY MEDICAL ASSISTANCE, CALL ICI AMERICAS MEDICAL EMERGENCY INFORMATION CENTER (800) 327-8633 OR CHEMTREC (800) 424-9300. For other product information, contact your local ICI Americas Inc. Distributor or see Product Safety Information Sheet.

Precautionary Statements

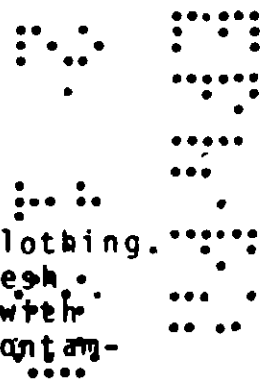
Hazards to Humans and Domestic Animals

C A U T I O N

HARMFUL IF SWALLOWED - Avoid contact with skin, eyes and clothing. Avoid inhalation of spray mist. Wear rubber gloves and fresh clothing. Wear goggles to avoid contact with eyes. Wash with soap and water immediately after use or contact. Do not contaminate food or feed.

ENVIRONMENTAL HAZARDS - Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL AND CHEMICAL HAZARDS - Keep away from heat and flame. Do not apply this product in such a manner as to directly or through drift, expose workers or other persons. When applied through the sprinkler irrigation method of application, the



area being treated must be vacated by unprotected persons.

Can be stored at temperatures as low as minus 50°F.

GENERAL USE PRECAUTIONS

READ ALL LABEL DIRECTIONS BEFORE USING

ERADICANE EXTRA should be used for recommended purposes and at recommended rates (DO NOT OVERDOSE).

ERADICANE EXTRA is recommended for use on mineral soils only (soils containing less than 10% organic matter).

Do not use on milo or sorghum. Do not use on corn seed stock (Breeders, Foundation or Increase). ERADICANE EXTRA may be used on Production seed corn.

Do not contaminate water to be used on susceptible crops and ornamentals, or for domestic purposes. Do not contaminate feed or food. Keep container tightly closed when not in use. Do not store near seeds or fertilizers.

When properly applied and weather conditions exist for normal plant growth through the season, ERADICANE EXTRA will not harm the treated crop nor should harmful soil residues remain beyond harvest. However, during germination and early growth, extended periods of unusually cold and wet or hot and dry weather, insect, nematode, or plant disease attack, carry-over soil residues of certain persistent herbicides, the use of certain soil applied systemic insecticides may create abnormal conditions that weaken crop seedlings. ERADICANE EXTRA used under these abnormal conditions could result in crop injury.

WEEDS CONTROLLED BY ERADICANE EXTRA

ERADICANE EXTRA will not control established weeds.

ANNUAL GRASSES:

Barnyardgrass (Watergrass, junglerice)	(<u>Echinochloa spp.</u>)
Bermudagrass - seedlings	(<u>Cynodon dactylon</u>)
Bluegrass, annual	(<u>Poa annua</u>)
Crabgrass	(<u>Digitaria spp.</u>)
Cupgrass, woolly	(<u>Eriochloa villosa</u>)
Foxtail, giant	(<u>Setaria faberi</u>)
Foxtail, green	(<u>Setaria viridis</u>)
Foxtail, yellow	(<u>Setaria glauca</u>)
Goosegrass	(<u>Eleusine indica</u>)
Johnsongrass - seedlings	(<u>Sorghum halepense</u>)
Millet, wild proso*††	(<u>Panicum miliaceum</u>)
Oats, wild	(<u>Avena fatua</u>)
Panicum, fall	(<u>Panicum dichotomiflorum</u>)
Panicum, Texas (Coloradograss)*†	(<u>Panicum texanum</u>)
Rescuegrass	(<u>Bromus willdenowii</u>)
Rice, red	(<u>Oryza sativa</u>)
Ryegrass, annual (Italian ryegrass)	(<u>Lolium multiflorum</u>)

ERADICANE EXTRA

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Sandbur, field*	(<u>Cenchrus pauciflorus</u>)
Shattercane*† (Wild cane)	(<u>Sorghum bicolor</u>)
Signalgrass	(<u>Brachiaria spp.</u>)
Stinkgrass (Lovegrass)	(<u>Eragrostis cilianensis</u>)

Other volunteer grains, i.e. barley, oats, wheat

† Partial Control (suppression) See Wild Cane Section.

*Cultivation is suggested in addition to ERADICANE EXTRA treatment in fields with moderate to heavy infestations of wild cane, sandbur, Texas panicum, or wild proso millet.

†Southeastern U. S. Only.

††Central Region Only - Partial Control (Suppression)

ANNUAL BROADLEAF WEEDS:

Carpetweed	(<u>Mollugo verticillata</u>)
Chickweed, common	(<u>Stellaria media</u>)
Fiddleneck	(<u>Amsinckia spp.</u>)
Goosefoot, nettleleaf	(<u>Chenopodium murale</u>)
Henbit (Deadnettle)	(<u>Lamium amplexicaule</u>)
Lambsquarters, common	(<u>Chenopodium album</u>)
Morningglory, tall	(<u>Ipomoea purpurea</u>)
Nightshade, black	(<u>Solanum nigrum</u>)
Nightshade, hairy	(<u>Solanum sarachoides</u>)
Pigweed, prostrate	(<u>Amaranthus graecizans</u>)
Pigweed, redroot (Common)	(<u>Amaranthus retroflexus</u>)
Pigweed, tumble	(<u>Amaranthus albus</u>)
Puncturevine**	(<u>Tribulus terrestris</u>)
Purslane, common	(<u>Portulaca oleracea</u>)
Pusley, Florida	(<u>Richardia scabra</u>)
Sicklepod	(<u>Cassia obtusifolia</u>)
Sida, prickly (Teaweed)	(<u>Sida spinosa</u>)
Shepherdspurse	(<u>Capsella bursa-pastoris</u>)
Spurry, corn	(<u>Spergula arvensis</u>)
Velvetleaf	(<u>Abutilon theophrasti</u>)

** Western Region only.

The annual broadleaf weeds listed above will be controlled only if treatment is made when conditions are favorable for weed seed germination and growth. Under prolonged conditions of very cold soil, control of the above broadleaf weeds may not be adequate.

PERENNIAL GRASSES:

Bermudagrass	(<u>Cynodon dactylon</u>)
Johnsongrass, rhizome	(<u>Sorghum halepense</u>)
Nutsedge, purple (Nutgrass)	(<u>Cyperus rotundus</u>)
Nutsedge, yellow (Nutgrass)	(<u>Cyperus esculentus</u>)
Quackgrass	(<u>Agropyron repens</u>)

Perennial weeds must be turned under and chopped up thoroughly prior to treatment. The underground rhizomes of quackgrass and johnsongrass and the rhizomes and stolons of bermudagrass must

be cut up thoroughly into small pieces so that 4 or less nodes remain on a strand.

Consult RECOMMENDATIONS for ERADICANE EXTRA rates necessary to control the above listed weeds.

DIRECTIONS FOR USE

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

ERADICANE EXTRA is a selective herbicide which must be mixed (incorporated) into the soil for control of weeds listed on this label. ERADICANE EXTRA controls weeds by interfering with normal germination and seedling development. ERADICANE EXTRA does not control established weeds.

APPLICATION DIRECTIONS

Pour the recommended amount of ERADICANE EXTRA into the spray tank during the filling operation. Apply in 10 to 50 gallons of water per acre using a properly calibrated, low-pressure sprayer having good agitation. The soil should be well-worked and dry enough to permit good soil mixing (incorporation). See Appendix I for soil mixing directions.

For band applications, calculate the amount to be applied per acre as follows:

$$\frac{\text{Band Width in Inches}}{\text{Row Width in Inches}} \times \text{Rate/A for Broadcast Treatment} = \text{Amount Needed for Band Treatment}$$

COMBINATION WITH FLUID FERTILIZERS

ERADICANE EXTRA may be combined with fluid (solution, slurry or suspension) fertilizers. However, physical compatibility with these fertilizers must be verified before combining in the spray tank. See Appendix II for special directions regarding these combinations. Even though ERADICANE EXTRA may be found compatible with fluid fertilizers, constant agitation is necessary to maintain uniformity of this mixture during application.

IMPREGNATION ON DRY BULK FERTILIZERS

ERADICANE EXTRA may be impregnated on dry fertilizer and applied as the fertilizer is spread. See Appendix III for information and directions regarding impregnation and use of these combinations.

CENTER PIVOT SPRINKLER APPLICATION

Apply this product only through center pivot sprinkler irrigation

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

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Apply and soil incorporate ERADICANE EXTRA, ERADICANE EXTRA/ATRAZINE, or ERADICANE EXTRA/BLADEX* (see TANK MIX RECOMMENDATIONS) with irrigation water before planting (see PLANTING), or immediately after planting before either corn or weeds emerge. It is important that application and incorporation be done immediately after the last tillage operation since poor results will occur if the weeds have germinated before application of the herbicide. Meter the ERADICANE EXTRA or tank mix combinations with ATRAZINE or BLADEX into the irrigation water during the entire period. Apply in 1/2 to 3/4 inches of water.

USE PRECAUTIONS

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Application of more than recommended quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness.

Do not apply when wind speed favors drift beyond the area intended for treatment, when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute slurry per hour.

EXAMPLE:

110 Acres to be covered by 5-1/3 pints (4 lbs. active)
ERADICANE EXTRA

110 A. x 4 lbs. = 440 lbs. active ERADICANE EXTRA

$$\frac{440}{6.0} = 73.3 \text{ gals. ERADICANE EXTRA}$$

Mixing tank size 750 gallons. Sprinkler takes 30 hours to apply 1/2 inch of water.

Injection rate = $\frac{750}{30}$ = 25 gal./hr. or 0.4 gal./minute

Calibrate injection pump to deliver the herbicide mix into the irrigation system at the rate of 25 gal. per hr. or 0.4 gal. per minute.

PLANTING

Plant seed to a maximum depth of 2 inches within 2 weeks after treatment. To avoid removing ERADICANE EXTRA from the row (with loss of weed control in the row), do not move or shape soil after treatment such as by planting in deep furrows.

CULTURAL PRACTICES FOLLOWING APPLICATION

Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control. When cultivating for any reason, it should be shallow, i.e. no more than 1/2 the depth the herbicide was incorporated. A sequential application of 2,4-D, BANVEL* 4E or a pre-emergence or post-emergence herbicides may be necessary to control weeds resistant to ERADICANE EXTRA.

RECOMMENDATIONS

Consult the U.S. regional map below and use the recommendations in your region only.

IMPORTANT: Limit use on sweet corn to 5-1/3 pints ERADICANE EXTRA per acre with the exception of Minnesota and Wisconsin where up to the full rate of 8 pints per acre can be used. .

EASTERN U.S. (NOTE: In the Southeastern U.S., when ERADICANE EXTRA is used for weed control in silage corn, do not seed small seeded grains after corn harvest until September).

CENTRAL U.S. (NOTE: Western slope of Colorado: Where furrow irrigation will be used when corn is flat planted, do not form furrows until corn is in the three-leaf stage).

WESTERN U.S. (NOTE: ERADICANE EXTRA is not recommended on corn grown in Arizona or in the 10 Southernmost California counties. In California, do not use ERADICANE EXTRA on corn planted after May 1).

NOTE: Soils lacking sufficient moisture for seed germination must be preirrigated prior to ERADICANE EXTRA application.

NOTE: Do not use on "Golden Jubilee" sweet corn west of the Cascade Mountains in Oregon or Washington.

(Regional Use Map - ERADICANE EXTRA)

*BANVEL is a registered trademark of Velsicol Chemical Corporation.

ERADICANE EXTRA

PREPLANT INCORPORATION:

BROADCAST RATE PER ACRE IN PINTS

WEED	EASTERN U.S.	CENTRAL U.S.	WESTERN U.S.	RESTRICTIONS
Annual Grasses & Annual Broadleaf Weeds	4 to 5 1/3	4 to 8	4 to 5 1/3	Use the lower rate for infestations and in sand light (coarse textured)
Bermudagrass	5 1/3 to 8	5 1/3 to 8	4 to 5 1/3	Use the higher rate for infestations.
Nutsedge	5 1/3 to 8	5 1/3 to 8	4 to 8	
Quackgrass	8	6 2/3 to 8	5 1/3	For control of moderate infestations and suppression of heavy infestations.
Rhizome Johnsongrass	8	8	8	Application should follow of plowing and discing control. See special instructions.
Sandbur, Field	4	5 1/3 to 8	5 1/3 to 8*	
Wild Cane (Suppression)	6 2/3 to 8	6 2/3 to 8	-	Partial control (suppression) only in central U.S. See special instructions.
Wild Oat	4	4	4 to 5 1/3*	
Wild Proso Millet (Suppression)	-	5 1/3 to 8	-	Control will be improved by combination treatment of ERADICANE EXTRA/ATRAZINE or ERADICANE EXTRA/BLADEX.
Velvetleaf	8	8	5 1/3 to 8	See tank mix section.

*Use the lower rates on sand and light (coarse textured) soils. Use the higher rates on heavy (fine textured) soils.

rhizomes.
In some areas discing 2 to 3 times spaced at 4 to 5 week intervals during fall and winter can be done. If this cannot be done, start with fall plowing followed by several discings in the spring before planting. The fall plowing and discing cuts rhizomes into small pieces and brings them to the surface, where both weather and ERADICANE EXTRA will kill or weaken them.

Velvetleaf:

For control of velvetleaf use 5 1/3 to 8 pints of ERADICANE EXTRA plus 2 pounds of ATRAZINE 80W or 3 pints of ATRAZINE 4L per broadcast acre.

Wild Cane - For partial control (suppression) - Apply 6 2/3 to 8 pints ERADICANE EXTRA per acre. Use the higher rate on heavy infestations or on soils with higher organic content. For enhanced control of wild cane, especially with heavy infestations, ERADICANE EXTRA should be used in combination with ATRAZINE, BLADEX, or PRINCEP* (see TANK MIX COMBINATIONS).

The following practices are recommended for suppression of Wild Cane:

1. Fall or spring moldboard plow.
2. Before application, the soil should be well worked with a disc and dry enough to permit good soil mixing of the herbicide (incorporation). All trash should be worked into the soil.
3. Delay application until soil warms to a constant 55°F or greater temperature. Plant immediately.
4. Incorporate immediately and thoroughly. If application of ERADICANE EXTRA is made impregnated on dry bulk fertilizer and a delay of incorporation is expected, make certain the delay does not exceed 4 hours. If delay is expected when impregnated, make certain application is made to a dry soil surface (at least 1/2 inch deep) that is free from dew or incidental moisture.
5. Incorporation directions:

*PRINCEP is a registered trademark of Ciba Geigy Corporation.