

476-2004

07/24/72

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(STAUFFER SHIELD)

PREFAR[®] 4-E

EMULSIFIABLE LIQUID

A SELECTIVE HERBICIDE FOR CONTROL OF ANNUAL GRASSES AND BROADLEAF WEEDS

ACCEPTED
JUL 24 1972
UNDER THE FEDERAL INSECTICIDE FUNGICIDE AND RODENTICIDE ACT FOR ECONOMIC POISON REGISTERED UNDER NO. 476-2004 SUBJECT TO ATTACHED COMMENTS.

CONTAINS 4 POUNDS ACTIVE INGREDIENT PER GALLON

ACTIVE INGREDIENT:

S-(O,O-DIISOPROPYL PHOSPHORODITHIOATE) OF N-(2-MERCAPTOETHYL) BENZENESULFONAMIDE	46.0%
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<u>INERT INGREDIENTS:</u>	54.0%
	100.0%

U.S. PATENT NUMBER 3,205,253

C A U T I O N

KEEP OUT OF REACH OF CHILDREN

HARMFUL IF SWALLOWED.
 AVOID CONTACT WITH THE SKIN, EYES AND CLOTHING.
 WASH THOROUGHLY AFTER USE.
 DO NOT CONTAMINATE FOOD OR FEED.

READ ALL LABEL DIRECTIONS BEFORE USING

COMBUSTIBLE! -- DO NOT USE, STORE, SPILL OR POUR NEAR HEAT OR OPEN FLAME.

MINIMUM STORAGE TEMPERATURE 42° F. PRODUCT CRYSTALLIZES AT LOWER TEMPERATURE. WARM OR STORE AT HIGHER TEMPERATURES AND MIX TO REDISSOLVE CRYSTALS AND ASSURE UNIFORMITY BEFORE USE.

_____ GAL. NET

EPA REG. NO. 476-2004

1-ARC-720620-0

MADE IN U.S.A. BY
 STAUFFER CHEMICAL COMPANY
 WESTPORT, CONNECTICUT 06880

OBSERVE THE FOLLOWING USE PRECAUTIONS

PREFAR SHOULD BE USED ONLY FOR RECOMMENDED PURPOSES AND AT RECOMMENDED RATES. (DO NOT OVERDOSE)

DO NOT STORE NEAR SEEDS OR FERTILIZERS. KEEP CONTAINER CLOSED WHEN NOT IN USE.

DO NOT APPLY IN COMBINATION WITH FLUID FERTILIZERS.

USE ON MINERAL SOIL ONLY.

DO NOT CONTAMINATE IRRIGATION WATER OR WATER USED FOR DOMESTIC PURPOSES.

ALL CROPS SPECIFIED ON THE LABEL MAY BE PLANTED IN ROTATION BUT DO NOT APPLY PREFAR 4-E MORE OFTEN THAN ONCE EVERY 12 MONTHS. TO AVOID INJURY TO CROPS NOT SPECIFIED ON THE LABEL DO NOT PLANT UNTIL 18 MONTHS AFTER THE LAST PREFAR 4-E APPLICATION.

FISH CAUTIONS: THIS PRODUCT IS TOXIC TO FISH. KEEP OUT OF LAKES, STREAMS OR PONDS. DO NOT APPLY WHEN WEATHER CONDITIONS FAVOR DRIFT FROM AREAS TREATED. DO NOT APPLY WHERE RUNOFF IS LIKELY TO OCCUR. APPLY THIS PRODUCT ONLY AS SPECIFIED ON THIS LABEL.

RINSE SPRAY EQUIPMENT AND CONTAINERS. DISCHARGE LIQUID WASTE IN PIT IN ISOLATED AREA LOCATED AWAY FROM WATER SUPPLIES.

PERFORATE EMPTY METAL CONTAINERS.

CRUSH AND BURY GLASS.

WEEDS CONTROLLED

ANNUAL GRASSES

- CRABGRASS (DIGITARIA SPP.)
- FOXTAIL (SETARIA SPP.)
- JUNGLE RICE (ECHINOCHLOA COLONUM)
- WATERGRASS (ECHINOCHLOA CRUSGALLI)
- GOOSEGRASS (ELEUSINE INDICA)
- FALL PANICUM (PANICUM DICHOTOMIFLORUM)
- SPRANGLETOP (LEPTOCHLOA SPP.)

ANNUAL BROADLEAF WEEDS (ARIZONA, NEW MEXICO, TEXAS AND TEN SOUTHERNMOST CALIFORNIA COUNTIES ONLY)

- LAMBSQUARTERS (CHENOPODIUM ALBUM)
- REDROOT PIGWEED (AMARANTHUS RETROFLEXUS)
- PURSLANE (PORTULACA OLERACEA)

DIRECTIONS FOR USE

PREFAR IS A SELECTIVE HERBICIDE WHICH IS APPLIED PRE-PLANT AND MIXED (INCORPORATED) INTO THE SOIL, ON CERTAIN CROPS WHICH ARE IRRIGATED UP, PREFAR MAY BE APPLIED TO THE SOIL SURFACE AFTER PLANTING, PREFAR CONTROLS WEEDS AS THEIR SEEDS GERMINATE BY INTERFERING WITH NORMAL GERMINATION AND SEEDLING DEVELOPMENT.

SOIL PREPARATION: PREPARE THE SOIL ACCORDING TO GOOD AGRICULTURAL PRACTICE, PREFAR DOES NOT CONTROL EMERGED WEEDS AND ALL WEED GROWTH AND CROP STUBBLE MUST BE THOROUGHLY WORKED INTO THE SOIL PRIOR TO APPLICATION.

APPLICATION AND SOIL INCORPORATION: SPRAY EQUIPMENT SHOULD BE CAREFULLY CALIBRATED BEFORE USE AND CHECKED FREQUENTLY DURING APPLICATION TO BE SURE NOZZLES ARE FREE FROM CLOGGING AND ARE DELIVERING A UNIFORM SPRAY PATTERN, APPLY UNIFORMLY THE RECOMMENDED RATE OF PREFAR 4-E IN 10 TO 50 GALLONS OF WATER PER ACRE.

PRE-PLANT APPLICATION: APPLY TO WELL-WORKED SOIL THAT IS DRY ENOUGH TO PERMIT THOROUGH INCORPORATION, INCORPORATE TO A DEPTH OF 1 TO 2 INCHES BEFORE PLANTING, USE POWER DRIVEN ROTARY CULTIVATORS OR OTHER EQUIPMENT WHICH WILL RESULT IN SATISFACTORY INCORPORATION.

PRE-EMERGENCE APPLICATION: (FOR USE ONLY ON CROPS THAT WILL BE IRRIGATED UP), AFTER PLANTING APPLY PREFAR AS A SURFACE APPLICATION, FOLLOW IMMEDIATELY WITH IRRIGATION (SPRINKLER OR FURROW) FOR SPRINKLER IRRIGATION APPLY 1 INCH OF WATER, WETTING THE SOIL AT LEAST 2 TO 4 INCHES DEEP, FOR FURROW IRRIGATION THOROUGHLY SATURATE THE ENTIRE BED TOP (COMPLETELY BLACK OUT BED TOP).

RECOMMENDATIONS

ALL RATES ARE GIVEN ON A BROADCAST BASIS, REDUCE RATE PROPORTIONATELY FOR BAND TREATMENT.

COTTON

PRE-PLANT: APPLY 5 TO 6 QUARTS PREFAR 4-E PER BROADCAST ACRE.
 APPLY TO THE FLAT SOIL SURFACE BEFORE FURROWING (LISTING) FOR THE PRE-PLANTING IRRIGATION AND THEN CONTINUE WITH NORMAL PRACTICES.

OR

APPLY AFTER FURROWING (LISTING) BUT BEFORE THE PRE-PLANTING IRRIGATION, INCORPORATE WITH A SECTIONAL, ROLLING CULTIVATOR.

OR

APPLY AFTER THE PRE-PLANTING IRRIGATION BUT BEFORE THE FINAL SEED BED PREPARATION.

OR

PRE-PLANT:
(ARIZONA,
NEW MEXICO &
TEXAS ONLY)

FOR CONTROL OF WATERGRASS, JUNGLE RICE, FOXTAIL AND CRABGRASS ONLY, APPLY 2 QUARTS PREFAR 4-E PER BROADCAST ACRE. USE ONLY ON LIGHT, SANDY SOILS.

APPLY TO THE FLAT SOIL SURFACE AND THOROUGHLY DISC THE PREFAR INTO THE SOIL BEFORE FURROWING (LISTING) FOR THE PRE-PLANTING IRRIGATION AND THEN CONTINUE WITH NORMAL PRACTICES.

OR

APPLY AFTER FURROWING (LISTING), INCORPORATE WITH A SECTIONED, ROLLING CULTIVATOR. FOLLOW WITH PRE-PLANT IRRIGATION.

OR

PRE-EMERGENCE: (USE ONLY ON COTTON THAT WILL BE IRRIGATED UP), APPLY 5 TO 6 QUARTS PREFAR 4-E PER BROADCAST ACRE AS A SURFACE APPLICATION.

• CUCURBITS (CUCUMBERS, SUMMER SQUASH, WINTER SQUASH, CANTALOUPE, CRENSHAW MELONS, MUSKMELONS, PERSIAN MELONS, WATERMELONS)

APPLY, PRE-PLANT, 5 TO 6 QUARTS PREFAR 4-E PER BROADCAST ACRE TO FLAT-PLANTED OR BEDDED CROPS. FOLLOW DIRECTIONS FOR APPLICATION AND SOIL INCORPORATION GIVEN ON THIS LABEL.

• COLE CROPS (BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CAULIFLOWER)

APPLY, PRE-PLANT OR PRE-EMERGENCE, 5 TO 6 QUARTS PREFAR 4-E PER BROADCAST ACRE. FOLLOW DIRECTIONS FOR APPLICATION AND SOIL INCORPORATION GIVEN ON THIS LABEL. USE PRE-EMERGENCE ONLY ON COLE CROPS TO BE IRRIGATED UP.

(NOTE: LIMIT USE ON CABBAGE TO SOUTHERN AND CALIFORNIA/ARIZONA GROWING REGIONS.)

. FRUITING VEGETABLES (TOMATOES (DIRECT SEEDED AND TRANSPLANTS), SEEDED BELL PEPPERS, CHILI PEPPERS)

APPLY, PRE-PLANT OR PRE-EMERGENCE, 5 TO 6 QUARTS (4 TO 5 QUARTS FOR TOMATOES) PREFAR 4-E PER BROADCAST ACRE, FOLLOW DIRECTIONS FOR APPLICATION AND SOIL INCORPORATION GIVEN ON THIS LABEL, USE PRE-EMERGENCE ONLY ON CROPS TO BE IRRIGATED UP.

(NOTE: LIMIT USE ON BELL PEPPERS TO THE SOUTHERN AND CALIFORNIA/ ARIZONA GROWING REGIONS; ON CHILI PEPPERS TO THE SOUTHWESTERN U.S.)

. LETTUCE (HEAD OR LEAF)

APPLY, PRE-PLANT OR PRE-EMERGENCE, 5 TO 6 QUARTS PREFAR 4-E PER BROADCAST ACRE, FOLLOW DIRECTIONS FOR APPLICATION AND SOIL INCORPORATION GIVEN ON THIS LABEL, USE PRE-EMERGENCE ONLY ON LETTUCE TO BE IRRIGATED UP.

. ROOT CROP VEGETABLES (CARROTS, BULB ONIONS)

APPLY, PRE-PLANT OR PRE-EMERGENCE, 5 TO 6 QUARTS PREFAR 4-E PER BROADCAST ACRE, FOLLOW DIRECTIONS FOR APPLICATION AND SOIL INCORPORATION GIVEN ON THIS LABEL, USE PRE-EMERGENCE ONLY ON CARROTS AND ONIONS TO BE IRRIGATED UP, DO NOT FEED TREATED CARROTS TO LIVESTOCK.

(NOTE: LIMIT USE ON CARROTS TO TEXAS; ON BULB ONIONS TO TEXAS AND NEW MEXICO.)

. GRASS SEED CROPS (BENTGRASS, BLUEGRASS)

FOR POA ANNUA CONTROL IN BENTGRASS AND BLUEGRASS SEED FIELDS: DURING HARVEST APPLY 2 TO 2-1/2 GALLONS PREFAR 4-E PER ACRE TO THE SOIL SURFACE IMMEDIATELY BEHIND THE COMBINE AND ALLOW THE STRAW FROM THE COMBINE TO COVER IT.

- OR -

APPLY AFTER STRAW REMOVAL BUT BEFORE WEED SEED GERMINATION, IF FIELD HAS BEEN BURNED, ASHES SHOULD BE COMPLETELY DISPERSED BEFORE APPLICATION OF PREFAR.

DO NOT FEED STRAW TO LIVESTOCK, DO NOT GRAZE LIVESTOCK IN TREATED FIELDS.

(NOTE: LIMIT USE TO OREGON, WASHINGTON AND IDAHO.)

NOTICE: STAUFFER CHEMICAL COMPANY MAKES NO WARRANTY, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR ANY PARTICULAR PURPOSE, CONCERNING THIS MATERIAL, EXCEPT THOSE WHICH ARE CONTAINED ON STAUFFER'S LABEL.