(Stauffer Shield)

RO-NEET® 6-E
Emulsifiable Liquid

Selective Herbicide for
SUGAR BEETS, TABLE BEETS AND SPINACH

Contains six pounds active ingredient per gallon.

ACTIVE INGREDIENT:	
S-ethyl cyclohexylethylthiocarbamate	73.9%
INERT INGREDIENTS:	26.1%
	100.0%

KEEP OUT OF REACH OF CHILDREN

C A U T I O N

HARMFUL IF SWALLOWED

STATEMENT OF PRACTICAL TREATMENT:

FIRST AID. If a known exposure occurs or is suspected, immediately start the recommended procedures below. Simultaneously contact a Poison Control Center, a physician or the nearest hospital. Describe the situation and follow the advice given.

IF SWALLOWED -- Immediately give large quantities of water but DO NOT induce vomiting. This product contains hydrocarbon solvent. If vomiting does occur, give fluids again. Have a physician determine if condition of patient will permit evacuation of stomach. DO NOT give anything by mouth to an unconscious person. Call a physician immediately.

In case of contact, hold eyelids apart and flush eyes and skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before re-use.

If inhaled, remove to fresh air. Seek medical attention if respiratory irritation occurs.

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.
- Wear rubber gloves, and protective clothing.
- Wash hands, arms and face thoroughly with soap and water after handling and before eating or smoking.
- Routinely shower or bathe after work and wash all clothing with soap and hot water before re-using.
- In case of contact, immediately remove contaminated clothing
- Avoid contamination of feed or food.

ENVIRONMENTAL HAZARDS: Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste.

In case of emergency call (day or night) Chemtrec 800-424-9300 or Stauffer Chemical Company 203-226-6602.

READ ENTIRE LABEL BEFORE USING

Protect from temperatures below 20°F.
Product crystallizes at lower temperatures.
Warm or store at higher temperatures, and mix to redissolve crystals and assure uniformity before use.

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: 3,175,897; 3,185,720

5 GAL. NET 19.9L

RS-820916

EPA Reg. No. 476-1979
EPA Est. No. 476-____

Made in U.S.A. by

STAUFFER CHEMICAL COMPANY
Westport, CT. 06881

WEEDS CONTROLLED

ANNUAL GRASSES:

Annual Bluegrass (Poa annua)
Annual Ryegrass (Lolium multiflorum)
Barley, Volunteer (Hordeum spp.)
Barnyardgrass (Watergrass) (Echinochloa spp.)
Crabgrass (Digitaria spp.)
Foxtails (Setaria spp.)
Wild Oats (Avena fatua)

ANNUAL BROADLEAF WEEDS:

Black Nightshade (Solanum nigrum)
Hairy Nightshade (Solanum villosum)
Henbit, Deadnettle (Lamium spp.)
Lambsquarters (Chenopodium album)
Nettleleaf Goosefoot* (Chenopodium murale)
Common Purslane (Portulaca oleracea)
Redroot Pigweed (Amaranthus retroflexus)
Shepherdspurse (Capsella bursa-pastoris)
Small Stinging Nettle, Burning Nettle (Urtica urens)
*Arizona and California excluded

The above broadleaf weeds will be controlled only if the application is made when conditions are favorable for germination. RO-NEET 6-E WILL NOT CONTROL ESTABLISHED WEEDS.

PERENNIAL WEEDS:

Yellow Nutgrass (Nutsedge) (Cyperus esculentus)
Purple Nutgrass (Nutsedge) (Cyperus rotundus)

Existing stands of nutgrass must be turned under and chopped thoroughly before treatment. Prior to planting, RO-NEET 6-E must be thoroughly mixed into the soil, or applied sub-surface to the soil with injectors for nutgrass control.

GENERAL USE PRECAUTIONS

Not for use or storage in or around the home.

RO-NEET 6-E should be used only for recommended purposes and at recommended rates (DO NOT OVERDOSE). Applied according to directions and under normal growing conditions RO-NEET 6-E will not harm the treated crop. During germination and early growth, extended periods of unusually cold and wet or hot and dry weather, insect, nematode, or plant disease attack, carryover pesticide residues, the use of certain soil applied systemic insecticides, highly saline or alkaline soil conditions, improperly placed fertilizers or soil insecticides may create abnormal conditions that weaken crop seedlings. RO-NEET 6-E used under these abnormal conditions could result in crop injury.

RO-NEET 6-E may cause crop injury on very light sandy soil.

Tank mix this product with fungicides, insecticides or herbicides only as recommended.

Do not contaminate irrigation water or water used for domestic purposes.

Do not store near seeds or fertilizers.

Keep container closed when not in use.

DIRECTIONS FOR USE

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

RO-NEET 6-E is a selective herbicide which is mixed (incorporated) into the soil or applied below the surface of the soil for control of weeds listed on this label. RO-NEET 6-E controls weeds by interfering with normal seed germination and seedling development. It does not control established weeds. All weed growth and crop stubble should be thoroughly worked into the soil before treatment.

SOIL PREPARATION: Prepare the soil for seeding according to good agricultural practice. All weed growth should be thoroughly worked into the soil before treatment. DO NOT APPLY BEFORE PRE-IRRIGATION.

APPLICATION: Apply RO-NEET 6-E to well-worked soil which is dry enough to permit thorough mixing with incorporation equipment, or proper injection. Use standard low-pressure (20-50 psi) boom spray equipment. DO NOT USE SINGLE NOZZLE BOOM-JET TYPE SPRAYERS. Application equipment should be carefully calibrated before use and checked frequently during application to be sure nozzles are free from clogging and delivering a uniform pattern. Apply UNIFORMLY the recommended rate of RO-NEET 6-E in 20 to 50 gallons of water per acre. Avoid overlaps that will increase RO-NEET 6-E dosage above recommended limits because plant injury will occur.

RO-NEET 6-E WITH FLUID FERTILIZER: RO-NEET 6-E may be combined with fluid (solution, slurry, or suspension) fertilizers. However, physical compatibility with these fluid fertilizers must be determined before combining in the spray tank. See Appendix I giving directions for these combinations. Even though found to be compatible, constant agitation is necessary to keep the RO-NEET 6-E evenly mixed with the fluid fertilizer.

IMPREGNATION ON DRY BULK FERTILIZERS: RO-NEET 6-E may be impregnated on many dry bulk fertilizers for use on sugar beets. RO-NEET impregnated on dry bulk fertilizers may be applied and incorporated into the soil either in the Fall (in states where fall application for RO-NEET 6-E is recommended) before the ground freezes or before planting. However, uniform distribution of RO-NEET 6-E on fertilizer particles and uniform application are necessary to assure good results. See Appendix II for special instructions regarding directions for impregnation and use.

INCORPORATION DIRECTIONS

Immediately (within minutes) after application thoroughly mix RO-NEET 6-E into the soil to a depth of 2 to 3 inches. (California only: Incorporate to a depth of 3 inches). Thorough soil mixing is necessary for good weed control.

RO-NEET 6-E must be incorporated into the soil immediately to prevent loss of the herbicide. Whenever possible, application and incorporation should be done in the same operation. Use equipment which has been proven to incorporate thoroughly to the recommended depth.

SOIL MIXING (INCORPORATION) BEFORE PLANTING:

The following equipment commonly is used for soil mixing (incorporation) before planting:

For Broadcast (Overall) Application:

- Power Driven Cultivation Equipment (recommended on all soil types) set to cut to a depth of 2 to 3 inches.
- Tandem Discs (recommended on all soil types) set to cut to a depth of 4 to 6 inches, operated at 4 to 6 mph followed by a spiked-tooth harrow or some other leveling device which extends beyond the ends of the discs. For more thorough mixing (for nutgrass, heavier, soils) disc in two different directions (cross disc).
- Field Cultivators (recommended on lighter soils in good tilth only). Not recommended in California or Arizona. Use 3 to 4 rows of sweeps, spaced at 7 inch or less intervals and staggered so that no soil is left unturned, followed by a spiked-tooth harrow pulled behind the cultivator. Do not use chisels or points. Set the cultivator to cut 4 inches deep, operated at 5 mph or more. Run the equipment over the field twice, the second run at an angle to the first.
- Rotary Ground Driven or Spring-Tooth Cultivators (recommended on lighter soils in good tilth only). Not recommended in California or Arizona. Set to penetrate to a depth of 4 to 6 inches and operated at 5 to 8 mph in two different directions.

For Band (Row) Application:

Uniformly mix to a depth of 2 to 3 inches.

- Hooded power-driven rotary tillers.
- Hooded ground-driven rotary tillers.

Rolling:

Under most conditions, the treated area should be firmly rolled between the incorporation unit and the planters.

PLANTING

For maximum weed control benefits, crops should be planted or seeded immediately after application. Do not use a drag behind the planter as it may concentrate RO-NEET 6-E over the seed row and cause crop injury.

CULTURAL PRACTICES FOLLOWING APPLICATION

RO-NEET 6-E is not persistent in the soil and susceptible weeds germinating later during the growing season may not be controlled. Shallow cultivation or approved or post emergence herbicides may be necessary to control these susceptible weeds that escape control by RO-NEET 6-E as well as those weeds not susceptible to RO-NEET 6-E. Do not cultivate deeper than the depth of the herbicide incorporation.

When cultivating fields where RO-NEET 6-E has been banded in the row, use shields to prevent the movement of untreated soil into the treated row.

RECOMMENDATIONS

Solid Broadcast Treatment

CROP	WHEN TO APPLY	GALLONS RO-NEET 6-E PER ACRE	REMARKS
Sugar Beets*	Pre-plant (soil incorporation) or at planting (soil injection)	1/2 To 2/3	Use on mineral soils ONLY. Use lower rate on sandy soils. Use higher dosage rate on heavier soil. Injury may result in highly saline or alkaline soils.
	Fall application	2/3	Recommended only in the states of Idaho, Minnesota, Montana, North Dakota, Oregon, Wyoming and Washington. Apply and incorporate in late fall before the ground freezes.
Table Beets	Pre-plant (soil incorporation)	1/2 To 2/3	Use on mineral soils ONLY. Use lower rate on sandy soils. Use higher dosage rate on heavier soils. When applying RO-NEET in combination with fluid fertilizer, do not apply over 150 lbs. actual nitrogen per acre.
Spinach**	Pre-plant (soil incorporation)	1/2	Use on sandy mineral soils only.

*Make only one (1) application per growing season. If RO-NEET 6-E is applied in the Fall, do not reapply RO-NEET 6-E the following spring.

**Recommended on spinach in Arkansas, Connecticut, Delaware, Maine, Maryland, Massachusetts, Mississippi, New Hampshire, New Jersey, New York, Ohio, Oklahoma, Pennsylvania, Texas, Vermont, Virginia and Western Tennessee only.

Band Treatment:

The rates given above are for solid coverage basis. For band treatment, reduce the amount of RO-NEET 6-E proportionately depending on the row spacing and band width to be treated. DO NOT USE BAND APPLICATION ON ROCKY GROUND BECAUSE THOROUGH INCORPORATION IS NOT POSSIBLE.

Soil injection application on sugar beets - Special equipment designed for soil injection must be used. The injector units must be rigidly mounted immediately ahead or immediately behind the planter unit.

Soil Injection - Injector shanks must be spaced 2-1/2 to 3 inches apart and mounted in staggered positions to avoid trash building up on them. Injector shanks must be set to inject RO-NEET 6-E 1-1/2 to 2 inches below the soil surface. The width of the band in which weed control is desired will determine the number of injector shanks required per row (that is, four injector shanks for a 10 to 12-inch band, six injector shanks for a 15 to 18-inch band). The two injector shanks adjacent to the drill row must be 1-1/4 to 1-1/2 inches on either side of it.

STORAGE AND DISPOSAL

- PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

- STORAGE: Keep containers closed when not in use. Do not store near seeds, fertilizers or foodstuffs. Protect from temperatures below 20°f but do not store near sources of heat or open flame.

- PESTICIDE DISPOSAL: Rinse spray equipment. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to applicable Federal, State or local procedures.

- CONTAINER DISPOSAL: Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration if allowed by state and local authorities.

NOTICE READ CAREFULLY

CONDITIONS OF SALE:
Stauffer (and seller) offer(s) this product for sale subject to, and buyer and all users are deemed to have accepted, the following conditions of sale and warranty which may only be varied by written agreement of a duly authorized representative of Stauffer.

WARRANTY LIMITATION:
Stauffer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to below. Stauffer makes no other express warranties: THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY and there are no warranties which extend beyond the description on the label hereof.

INHERENT RISKS:
The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with use. Buyer assumes all risks associated with use or application of this product contrary to label instructions or resulting from extraordinary weather conditions.

LIMITATION OF LIABILITY:
In no case shall Stauffer be liable for special, indirect or consequential damages resulting from the use or handling of this product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which such damages are claimed.

APPENDIX I

RO-NEET 6-E WITH FLUID FERTILIZERS

The following procedure is suggested for determining whether RO-NEET 6-E may be combined with a specific fluid fertilizer for spray tank application.

MATERIAL REQUIRED:

1. RO-NEET 6-E.
2. Fluid fertilizer to be used.
3. Adjuvant for fertilizer tank mix: Compex*, Sponto 168-D*, Unite*, or equivalent. The adjuvant which provides the best emulsification depends on the specific fertilizer under consideration.
4. Two one-quart, wide-mouth glass jars with lid or stopper.
5. Measuring spoons (a 25 mL pipette or graduated cylinder provides more accurate measurement).
6. Measuring cup, 8 oz. (237 mL).

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*Compex, Kalo Laboratories Inc., Kansas City, Missouri, Sponto 168-D, Witco Chemical Company, Houston, Texas, Unite, Hopkins Agricultural Chemical Company, Madison, Wisconsin.

PROCEDURE:

1. Pour a pint (about 473 mL) of the fluid fertilizer into each of the quart jars.
2. Add adjuvant to one of the jars and mix (see rate table).
3. Add the RO-NEET 6-E to both jars (see rate table).
4. Close both jars with lid or stopper and mix the contents by turning the jars upside down ten times.
5. Inspect the surface and body of the mixtures-
   (A) Immediately after completing the jar inversions.
   (B) After allowing the jars to stand quietly for 30 minutes.
   (C) And then again after turning the jars upside down 10 times.

APPENDIX I CONT'D

If the uniform mix cannot be made, the mixture should not be used. If either mixture remains uniform for 30 minutes, the combination may be used. Should either mixture separate after 30 minutes, but readily remix uniformly with the jar inversions, the mixture can be used if adequate agitation is maintained in the tank. If the mixture with adjuvant is satisfactory, but the one without adjuvant is not, be sure to use the adjuvant in the spray tank. Add the adjuvant first at a rate of 3 pints per 100 gallons of fluid fertilizer; foaming can be minimized by using moderate agitation.

If nondispersible oil, sludge or clumps of solids form in the mixtures, the combinations should not be used.

RATE TABLE FOR RO-NEET 6-E AND ADJUVANT** WITH THE FLUID FERTILIZER

Gallons of fluid fertilizer to be applied per acre	mL or Tsp. or RO-NEET 6-E* to be added to 1 pint of fertilizer	
	6-E	
	mL	Tsp.
10	8	1-2/3
15	5	1
20	4	3/4
25	3	2/3
30	2-1/2	1/2
40	2	2/5

*Based on field rate of 1 pound active ingredient per acre in the fertilizer volumes indicated. Increase volume proportionately to correspond with intended field rate in terms of pounds active ingredient per acre (e.g., for field rate of 4 pounds actual RO-NEET 6-E in 40 gallons fertilizer per acre, add 8 mL or 2 tsp. RO-NEET 6-E to each jar for compatibility testing purposes).

**Two (2) milliliters or one-half (1/2) teaspoon of adjuvant to be added to 1 pint of fluid fertilizer in order to equal the rate of 3 pints of adjuvant per 100 gallons of fluid fertilizer.

APPENDIX II

RO-NEET 6-E IMPREGNATION ON DRY BULK FERTILIZERS

CAUTION: Nitrate fertilizers represent a potential explosive hazard, particularly in contact with organic substances such as Ro-Neet 6-E. Do not impregnate Ro-Neet 6-E on ammonium nitrate. Do not use fertilizers containing ammonium, potassium or sodium nitrate. **Such mixtures may cause explosion.**

All individual state regulations relating to dry bulk fertilizer blending, registration, labeling and application are the responsibility of the individual and/or company selling the Ro-Neet fertilizer mixtures.

Ro-Neet 6-E may be inpregnated on many dry bulk fertilizers (1) and applied and incorporated into the soil before planting for the control of labeled grasses and broadleaf weeds in sugar beets.

All Ro-Neet 6-E label and supplementary literature instructions and precautions regarding rates per acre, soil type and soil incorporation, application and other directions must be followed.

Test results have shown Ro-Neet 6-E on many dry bulk fertilizers gives weed control equal to Ro-Neet 6-E applied as a spray in water or liquid fertilizer. However, uniform impregnation of the pesticides on the dry fertilizer particles and uniform application in the field are necessary to assure good results.

A minimum of 200 pounds and a maximum of 700 pounds of approved fertilizer ingredients (1) impregnated with the appropriate amount of Ro-Neet 6-E must be applied per acre.

For impregnating the pesticides on dry fertilizers, use a closed rotary-drum type mixer equipped with suitable spraying equipment. The spray nozzles should be positioned inside of the mixer to provide uniform spray coverage of the tumbling fertilizer. The Ro-Neet 6-E should be sprayed uniformly onto the fertilizer using a fine spray pattern.

The physical properties of fertilizers vary, particulary in liquid absorptive capacity. When absorptivity is sufficient, simple spray impregnation of the fertilizer with Ro-Neet 6-E provides a satisfactory dry mixture.

If the absorptivity is not adequate, use of a highly absorptive

APPENDIX II CONT'D

powder is required to provide a dry, free-flowing mixture. Microcel E (Johns-Manville Products Corporation) is the recommended absorbent powder. It should be added separately and uniformly to the prepared pesticide-fertilizer mixture, in a quantity that is sufficient to provide a suitably free-flowing mixture. Generally, less than 2% by weight of Microcel E is required.

The amount of Ro-Neet 6-E actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation. This is necessary to ensure that the amounts of Ro-Neet actually contained in the mixture applied to the soil represent the correct rates of use.

Bulk fertilizers impregnates with Ro-Neet 6-E should be applied immediately, NOT STORED. All bulk containers should be tightly covered while the products are being transported and applied to reduce chances of Ro-Neet loss via volatilization.

(1) APPROVED DRY FERTILIZER INGREDIENTS FOR USE WITH RO-NEET 6-E

	N	P	K
Ammonium sulfate	21	0	0
Ammonium phosphate-sulfate	16	20	0
Diammonium phosphate	18	46	0
Monoammonium Phosphate	11	56	0
Potassium chloride	0	0	60
Potassium sulfate	0	0	52
Single superphosphate	0	20	0
Treble superphosphate	0	46	0
Urea	45	0	0

NOTE: SUL-PO-MAG, K-MAG and 11-48-0 have been shown to be compatible with Ro-Neet 6-E and are approved for use.

APPENDIX II CONT'D

Ro-Neet 6-E Physical Data

Specific Gravity 20/20°C:	0.976
Pounds/gallon, 20/20°C:	8.12
Flashpoint:	168°F (Tagliabue Closed Cup)
Viscosity:	Sprayable down to 25°F
Freeze Point:	20°F (seeded)

(2) Rate Chart For The Impregnation Of Dry Bulk Fertilizers With Ro-Neet 6-E:

Fertilizer Rate Per Acre	Ro-Neet 6-E Rate Per Acre	
	2 quarts per acre	2-2/3 quarts per acre
200 lbs.	20 quarts/ton	26-2/3 quarts/ton
250 lbs.	16 quarts/ton	21-1/3 quarts/ton
300 lbs.	13-1/3 quarts/ton	17-3/4 quarts/ton
350 lbs.	11-2/5 quarts/ton	15-1/4 quarts/ton
400 lbs.	10 quarts/ton	13-1/3 quarts/ton
450 lbs.	8-7/8 quarts/ton	11-7/8 quarts/ton
500 lbs.	8 quarts/ton	10-2/3 quarts/ton
550 lbs.	7-1/3 quarts/ton	9-3/4 quarts/ton
600 lbs.	6-2/3 quarts/ton	8-7/8 quarts/ton
650 lbs.	6-1/5 quarts/ton	8-1/4 quarts/ton
700 lbs.	5-3/4 quarts/ton	7-5/8 quarts/ton