

PM 25

10182-178

Page 1 of 20

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUN 4 1993

Mr. Wayne Hillebrecht
ICI Americas, Inc.
Agricultural Products Division
Delaware Corporate Center 2
Wilmington, DE 19897

Subject: ICI America's Roneet 6E Selective Herbicide
EPA Reg. No. 10182-178
RE: Label amendment.
Your submission dated December 21, 1992.

Dear Mr. Hillebrecht:

The above mentioned amendment submitted in connection with registration under FIFRA is accepted provided that you adhere to the following comments.

1. The application rates on pages nine (9) and ten (10) should not exceed those which were previously established.
2. The "Environmental Hazard" statement should be updated by preceding the water statement with the following; "For terrestrial uses, do not apply directly to water...mean high water mark".

A stamped copy is enclosed for your records.

Sincerely,

Robert J. Taylor
Product Manager (25)
Fungicide-Herbicide Branch
Registration Division (H7505C)

| CONCURRENCES | | | | | | | |
|--------------|--------|--|--|--|--|--|--|
| SYMBOL | H7505C | | | | | | |
| SURNAME | HICKS | | | | | | |
| DATE | 6/4/93 | | | | | | |

2 of 20

RO-NEET® 6-E
Selective Herbicide

Liquid Herbicide for Weed Control in Sugar Beets, Table Beets, and Spinach

COMPLETE DIRECTIONS FOR USE

EPA Reg. No. 10182-178

Made in U.S.A.
ICI Agricultural Products
ICI Americas Inc.
Wilmington, DE 19897

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 1 1993

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended in the pesticide
registered under EPA Reg. No.
10182-178

KEEP OUT OF REACH OF CHILDREN

CAUTION

ACTIVE INGREDIENT:

S-ethyl cyclohexylethythiocarbamate 73.9%

INERT INGREDIENTS: 26.1%

Total 100.0%

Contains 6 pounds active ingredient per gallon.

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.

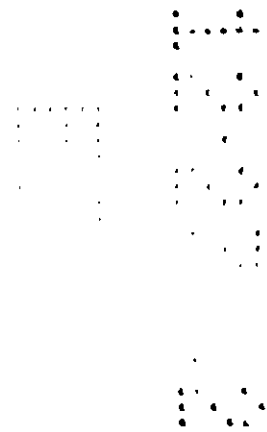
IF IN EYES: Hold eyelids apart and flush eyes with large amounts of running water for 15 minutes. Get medical attention if irritation occurs.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF INHALED: Remove to fresh air. Seek medical attention if respiratory irritation occurs.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D (327-8633).

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

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 reusing. In case of contact, immediately remove contaminated clothing. Avoid contamination of feed or food.

ENVIRONMENTAL HAZARDS

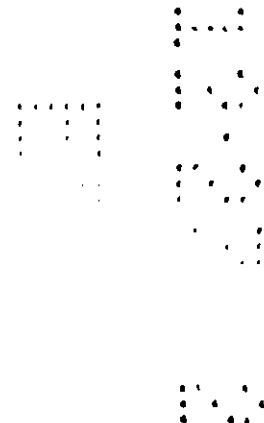
Do not apply directly to water or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

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.



DIRECTIONS FOR USE

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

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

GENERAL INFORMATION

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 or germinated weeds present at application. All weed growth and crop stubble should be thoroughly worked into the soil before treatment.

GENERAL USE PRECAUTIONS

Not for use or storage in or around the home.

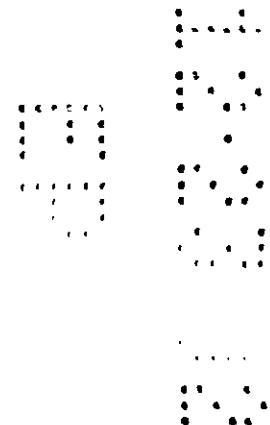
RO-NEET 6-E should be used only for recommended purposes and at recommended rates (DO NOT OVERDOSE). Applied according to directions and under normal growing conditions, RO-NEET 6-E will not harm the treated crop. During germination and early growth, extended periods of unusually cold and wet or hot 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.

~~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 special literature 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.~~

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

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



WEEDS CONTROLLED

ANNUAL GRASSES:

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

ANNUAL BROADLEAF WEEDS:

| | |
|---------------------------------------|--------------------------------|
| Black Nightshade | <i>Solanum nigrum</i> |
| Hairy Nightshade | <i>Solanum villosum</i> |
| Henbit, Deadnettle | <i>Lamium</i> spp. |
| Lambsquarters | <i>Chenopodium album</i> |
| Nettleleaf Goosefoot* | <i>Chenopodium murale</i> |
| Common Purslane | <i>Portulaca oleracea</i> |
| Redroot Pigweed | <i>Amaranthus retroflexus</i> |
| Shepherd's-purse | <i>Capsella bursa-pastoris</i> |
| Small Stinging Nettle, Burning Nettle | <i>Urtica urens</i> |
| Velvetleaf** | <i>Abutilon theophrasti</i> |

*California excluded.

**Partial control or suppression only.

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

PERENNIAL WEEDS:

| | |
|-----------------|---------------------------|
| Yellow Nutsedge | <i>Cyperus esculentus</i> |
| Purple Nutsedge | <i>Cyperus rotundus</i> |

Existing stands of nutsedge 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 subsurface to the soil with injectors for nutsedge control.

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 PREIRRIGATION.

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 nutsedge, heavier soils) disc in two different directions (cross disc).
- **Field Cultivators** (recommended on lighter soils in good tilth only). Not recommended in California. 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 time at an angle to the first.
- **Rotary Ground Driven or Spring Driven Cultivators** (recommended on lighter soils in good tilth only). Not recommended in California. Set to penetrate to a depth of 4 to 8 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.

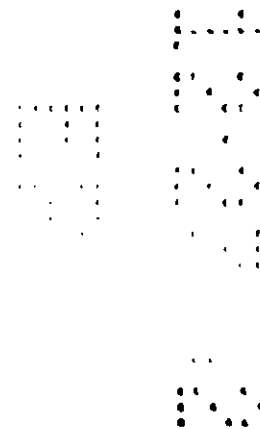
PLANTING

For maximum weed control benefits, crops should be planted or seeded immediately after application except for fall applications. 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 and ~~or~~ approved postemergence herbicides may be necessary to control those ~~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.



9 of 20

DOSAGE RECOMMENDATIONS
Solid Broadcast Treatment

| CROP | WHEN TO APPLY | GALLONS RO-NEET 6-E PER ACRE | REMARKS |
|--------------|---|---|---|
| Sugar Beets* | Preplant (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 | Preplant (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 6-E in combination with fluid fertilizer, do not apply over 150 lbs. actual nitrogen per acre. |
| Spinach** | Preplant (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, Colorado, Connecticut, Delaware, Illinois, 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.

RO-NEET 6-E AND EPTAM® 7-E SELECTIVE HERBICIDE TANKMIX FOR PREPLANT USE IN SUGAR BEETS FOR MICHIGAN, MINNESOTA, AND THE RED RIVER VALLEY AREA OF NORTH DAKOTA

The RO-NEET 6-E and EPTAM 7-E herbicide combination is a selective tankmix which must be incorporated into the soil. This combination controls weeds by interfering with normal germination and seedling development. This tank mixture does not control established weeds. The RO-NEET/EPTAM combination will give equal to or greater control of the weeds listed on this label than either product used separately. This tank mixture can be applied only once per growing season. The combination may be used in the fall or in the spring. EPTAM 7-E should not be used on soils with less than 3% organic matter. RO-NEET 6-E at 4 to 5 1/3 pints/acre should be used on these soils.

APPLICATION DIRECTIONS

During filling, pour the recommended rates of both RO-NEET 6-E and EPTAM 7-E into a properly calibrated, low-pressure boom sprayer having good agitation, and mix thoroughly. Apply the material uniformly in 10 to 50 gallons of water per acre. Check calibration frequently during application and observe the nozzles to ensure a uniform spray pattern. Do not use single nozzle boom-jet type sprayers. The soil should be well-worked prior to application and dry enough to permit thorough mixing with incorporation equipment.

| SPRING PREPLANT INCORPORATED APPLICATION RATES* (Pints/Acre) | | | |
|--|------------------------|------------------|--------------------|
| SOIL TEXTURE** | ORGANIC MATTER% | EPTAM 7-E | RO-NEET 6-E |
| Loam or Coarser | 3 to 4.5 | 1.25 | 3.3 |
| | 4.5 > | 1.25 | 4.0 |
| Loam to Clay Loam | 3 to 4.5 | 1.25 | 3.3 |
| | 4.5 > | 1.75 | 3.3 |
| Clay Loam or Finer | 3 to 4.5 | 1.75 | 3.3 |
| | 4.5 > | 2.25 | 3.3 |

* ~~Make only one application per growing season. Do not apply the RO-NEET 6-E/EPTAM 7-E combination in the spring if either this combination or RO-NEET 6-E alone was applied in the fall.~~

** ~~EPTAM 7-E should not be used on Loam or Coarser soils with less than 3% organic matter. RO-NEET 6-E at 4 to 5 1/3 pints/Acre should be used on these soils.~~

11/9/20

| SPRING* PREPLANT INCORPORATED APPLICATION RATES** (Pints/Acre***) | | | |
|---|-------------------------|------------------|--------------------|
| SOIL TEXTURE | ORGANIC MATTER % | EPTAM 7-E | RO-NEET 6-E |
| Coarse | 3.0 to 4.5 | 1.0 | 3.0 |
| | >4.5 | 1.0 to 1.25 | 3.0 |
| Medium | 3.0 to 4.5 | 1.0 to 1.25 | 3.0 to 4.0 |
| | >4.5 | 1.0 to 1.75 | 3.0 to 4.0 |
| Fine | 3.0 to 4.5 | 1.0 to 1.5 | 3.0 to 4.0 |
| | >4.5 | 1.0 to 2.0 | 3.0 to 4.0 |

- * DO NOT USE THE TANKMIX IN THE SPRING IN MICHIGAN
- ** Make only one application per growing season. Do not apply the RO-NEET 6-E/EPTAM 7-E combination in the spring if either this combination or RO-NEET 6-E alone was applied in the fall.
- *** Do not apply more than 5 pints of RO-NEET 6-E and EPTAM 7-E combined regardless of the ratio.

| FALL PREPLANT INCORPORATED APPLICATION RATES* (Pints/Acre) | | | |
|--|-------------------------|------------------|--------------------|
| SOIL TEXTURE | ORGANIC MATTER % | EPTAM 7-E | RO-NEET 6-E |
| Loam or Coarser** | 3 to 4.5 | 1.25 | 4.0 |
| | 4.5> | 1.25 | 4.0 |
| Loam to Clay Loam | 3 to 4.5 | 1.25 | 4.0 |
| | 4.5> | 1.75 | 4.0 |
| Clay Loam or Finer | 3 to 4.5 | 2.25 | 2.67 |
| | 4.5> | 2.25 | 4.0 |

- * ~~Make only one application per growing season. Do not apply the RO-NEET 6-E/EPTAM 7-E combination in the spring if either this combination or RO-NEET 6-E alone was applied in the fall.~~
- ** ~~EPTAM 7-E should not be used on Loam or Coarser soils with less than 3% organic matter. RO-NEET 6-E at 4 to 5 1/3 pints/Acre should be used on these soils.~~

| FALL PREPLANT INCORPORATED APPLICATION RATES* (Pints/Acre)** | | | |
|--|-------------------------|--------------------|--------------------|
| SOIL TEXTURE | ORGANIC MATTER % | EPTAM 7-E | RO-NEET 6-E |
| Coarse | 3.0 to 4.5 | 1.0 | 4.0 |
| | >4.5 | 1.0 to 1.25 | 4.0 to 4.33 |
| Medium | 3.0 to 4.5 | 1.0 to 1.25 | 4.0 to 4.5 |
| | >4.5 | 1.0 to 1.5 | 4.0 to 4.5 |
| Fine | 3.0 to 4.5 | 1.0 to 1.5 | 3.0 to 4.5 |
| | >4.5 | 1.0 to 2.0 | >4.5 |

- * Make only one application per growing season. Do not apply the RO-NEET 6-E/EPTAM 7-E combination in the spring if either this combination or RO-NEET 6-E alone was applied in the fall.
- ** Do not apply more than 6 pints of RO-NEET 6-E and EPTAM 7-E combined regardless of the ratio.

SOIL INCORPORATION

The RO-NEET 6-E and EPTAM 7-E tank mixture must be immediately incorporated (mixed) into the top 2 to 3 inches of soil after spraying to prevent loss of the herbicides. Whenever possible, application and incorporation should be done in the same operation. Refer to the RO-NEET 6-E and EPTAM 7-E labels for complete incorporation procedures and the use of equipment which has been proven to incorporate thoroughly to the recommended depth.

GENERAL USE PRECAUTIONS

The RO-NEET 6-E and EPTAM 7-E combination may cause crop injury on very light sandy soil and when used under adverse environmental conditions that weaken crop seedlings. Refer also to RO-NEET 6-E and EPTAM 7-E labels for recommendations regarding cultural practices after application.

A tank mixture of RO-NEET 6-E and EPTAM 7-E will give equal to or greater control of the following listed weeds than either product used separately. This combination does not control established weeds.

Green foxtail
Yellow foxtail
Wild Oats
Yellow nutsedge
Purple nutsedge

Setaria viridis
Setaria glauca
Avena fatua
Cyperus esculentus
Cyperus rotundus

Lambsquarters, common*
Pigweed, redroot*

Chenopodium album
Amaranthus retroflexus

*Partial control only (suppression).

Read both the RO-NEET 6-E and EPTAM 7-E labels carefully before using this tankmix. Observe all cautions and limitations on each label. The most restrictive labeling applies in tankmixes.

Do not contaminate water when disposing of equipment washwaters.

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 tankmix: 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).

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.

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.

15 7 20

| 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. of RO-NEET 6-E* to be added to 1 pint of fertilizer | |
| | 6-E | |
| | mL | Tsp. |
| 10 | 8 | 1-2/3 |
| 15 | 6 | 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 impregnated on many dry bulk fertilizers (Table 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 pesticide 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 (Table 2) 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, particularly 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 powder is required to provide a dry, free-flowing mixture. Micro-Cel™ E 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 suitable free-flowing mixture. Generally, less than 2% by weight of Micro-Cel 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 impregnated 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.

Table 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.

RO-NEET 6-E Physical Data

| | |
|---------------------------|------------------------------|
| Specific Gravity 20/20°C: | 0.976 0.97 |
| Pounds/gallon, 20/20°C: | 8.12 |
| Flashpoint: | 168°F (Tagliabue Closed Cup) |
| Viscosity: | Sprayable down to 25°F |
| Freeze Point: | 20°F (seeded) |

Table 2.

| RATE CHART FOR THE IMPREGNATION OF DRY BULK FERTILIZERS WITH RO-NEET 6-E: | | |
|---|---------------------------|-----------------------|
| | RO-NEET 6-E Rate Per Acre | |
| Fertilizer 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 |

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. **COMBUSTIBLE LIQUID.**

PESTICIDE DISPOSAL: Waste 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); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

FOR BULK AND MINI-BULK CONTAINERS

CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage, such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices.

REFILL ONLY WITH RO-NEET 6-E. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than RO-NEET 6-E will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

CONDITIONS OF SALE AND LIMITED WARRANTY:

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 inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, when used in accordance with directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller and Buyer and User assume the risk of any such use. **SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.**

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The **EXCLUSIVE REMEDY OF BUYER OR USER** and the **LIMIT OF LIABILITY** of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. **SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.**

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.

EPTAM® and RO-NEET® are trademarks of ICI Group Companies.
Compex™ is a trademark of KALO, Inc.
Micro-Cel™ is a trademark of Manville Sales Corporation.
Sponto 168-D™ is a trademark of Witco Corporation.
Unite™ is a trademark of HACO, Inc.