

JUN 14 1996

Mr. Wayne R. Hillebrecht  
Zeneca Inc.  
Zeneca Ag Products  
1800 Concord Pike  
P.O. Box 15458  
Wilmington, DE 19850-5458

Dear Mr. Hillebrecht:

Subject: Minor Amendments  
Roneet 6-E Selective Herbicide  
EPA Reg. No. 10182-178

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cited all data or other material required for registration/reregistration of your product under FIFRA sec. 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

Sincerely yours,

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

Enclosure

2721

**RO-NEET® 6-E  
Selective Herbicide**

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

**ACCEPTED**  
~~with COMMENTS~~  
In EPA Letter Dated  
JUN 14 1996

**COMPLETE DIRECTIONS FOR USE**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. (U.S.)  
15182-178

**CONDITIONS OF SALE  
AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. 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 manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ZENECA or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ZENECA and Seller harmless for any claims relating to such factors.

ZENECA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. 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 or ZENECA, and Buyer and User assume the risk of any such use. ZENECA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall ZENECA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ZENECA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ZENECA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

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ZENECA and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of ZENECA.

Made in U.S.A.  
ZENECA Ag Products  
ZENECA Inc.  
Wilmington, DE 19850-5458

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KEEP OUT OF REACH OF CHILDREN

CAUTION

ACTIVE INGREDIENT:

S-ethyl cyclohexylethylthiocarbamate ..... 73.9%

INERT INGREDIENTS: ..... 26.1%

Total ..... 100.0%

Contains 6 pounds active ingredient per gallon.

EPA Reg. No. 10182-178

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.

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**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.**

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

**HARMFUL IF SWALLOWED.** Avoid contact with skin, eyes, and clothing. Avoid contamination of feed or food.

#### Personal Protective Equipment

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or viton
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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#### User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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#### 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.

### 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 in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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

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### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protection equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves, such as barrier laminate or nitrile rubber or neoprene rubber or viton
- Shoes plus socks

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### 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. Product crystallizes at lower temperatures. Warm or store at higher temperatures and mix to redissolve crystals and assure uniformity before use. Do not store near sources of heat or open flame. **COMBUSTIBLE LIQUID.**

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**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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); 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!**

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**GENERAL INFORMATION**

Read entire label before using.

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.

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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.~~

**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.

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### APPLICATION DIRECTIONS

**Mechanical Soil Incorporation or Injection Applications:** 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 ~~10~~ 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.

RO-NEET 6-E must be incorporated into the soil immediately to prevent loss of the herbicide.

**Timing:** RO-NEET 6-E applications in water must be incorporated immediately (within minutes). Whenever possible, application and incorporation should be done in the same operation. Applications made in liquid fertilizer may have a maximum delay of 4 hours before incorporation. Applications made on dry bulk fertilizer must be incorporated within the same day of application. Immediate incorporation must be made with liquid and dry bulk fertilizer applications if soil surface is damp or if windy conditions (15 mph or greater) or rainfall are present or expected.

**Depth:** RO-NEET 6-E should be incorporated into the soil to a depth of 2-3 inches (California only: incorporate to a depth of 3 inches.) Thorough soil mixing is necessary for good weed control. Use equipment which has been proven to incorporate thoroughly to the recommended depth.

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**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 or some other leveling device 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. 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 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.

**SPRINKLER IRRIGATION APPLICATION (CHEMIGATION):**

RO-NEET may be applied through sprinkler irrigation systems including center-pivot, lateral move, end-tow, side (wheel) roll, traveler, solid set, or hand-move irrigation systems. Do not apply this product through any other type of irrigation system. Check the irrigation system to ensure uniform application of water to all areas. Failure to apply RO-NEET 6-E uniformly may result in crop injury and/or poor weed control. If you have any questions about equipment calibration, you should contact the State Extension Service, equipment manufacturers or other experts. Do not apply when wind speed favors drift beyond the area intended for treatment.

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Apply through sprinkler irrigation systems as described below to a weed free ground before or immediately after planting. The application must be done within five days after the last tillage operation, since poor results will occur if weeds have germinated.

**Center Pivot, Lateral Move, End Tow and Traveler Irrigation Equipment**

Inject the specified rate of RO-NEET 6-E into the irrigation system using a metering device that will introduce a constant flow. Meter into sufficient water to penetrate to a depth of 3-4 inches. Time the application to ensure that proper soil penetration corresponds to the end of the irrigation set. Turn the water off promptly after flushing all the lines.

*West Texas and New Mexico only:* Do not apply to dry soil. Apply only to soil with good planting moisture, i.e. when soil moisture levels are within 1-2 inches of the soil surface. Meter the specified rate of RO-NEET 6-E into center pivot irrigation systems applying 1/4 to 1/2 inch of water per acre.

**Solid Set, Side (wheel) Roll, and Hand Move Irrigation Equipment**

Inject the specified rate of RO-NEET 6-E continuously into sufficient water to wet the soil to a depth of 3-4 inches. Time the application to ensure the RO-NEET 6-E injection period coincides with the irrigation timing to apply 3-4 inch soil wetting depth. Turn the water off promptly after flushing all the lines.

**USE PRECAUTIONS - SPRINKLER IRRIGATION APPLICATION**

Do not apply this product through irrigation systems connected to a public water system. "Public water system" means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Before applying RO-NEET 6-E through sprinkler irrigation equipment, the chemigation system must meet the following specifications:

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

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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.

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.

Any alternatives to the above required safety devices must conform to the list of EPA approved alternative devices.

**SPRINKLER INCORPORATION OF RO-NEET 6-E (California, Idaho, Nevada, Oregon, Utah and Washington only):**

Surface apply the recommended rate of RO-NEET 6-E prior to or immediately after planting. Use standard low pressure (20-50 psi) boom spray equipment delivering 10 to 50 gallons per acre. Avoid overlaps that will increase RO-NEET 6-E dosage above recommended limits because plant injury will occur. The soil surface should be dry (at least 1/4 inch deep) and free from dew and incidental moisture. Begin sprinkler incorporation immediately following application and complete within a 36 hour period using sufficient water to penetrate to a depth of 3-4 inches. The application and incorporation must be done within five days after the last tillage operation, since poor results will occur if weeds have germinated.

**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 approved postemergence herbicides may be necessary to control those 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.

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DOSAGE RECOMMENDATIONS Solid Broadcast Treatment			
CROP	APPLICATION TIMING WHEN TO APPLY	GALLONS RO-NEET 6-E PER ACRE	REMARKS
Sugar Beets*	Preplant (soil incorporation) or at planting (soil injection) or At Planting or Immediately Post Planting	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, and Wyoming. <del>Washington.</del> Apply and incorporate in late fall before the ground freezes.
Table Beets	Preplant (soil incorporation) or At Planting or Immediately Post Planting	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) or At Planting or Immediately Post Planting	1/2 <sup>1</sup>	Use on sandy mineral soils only.
		2/3	

\*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.

<sup>1</sup> Recommended on spinach in Arkansas, Colorado, Connecticut, Delaware, Illinois, Maine, Maryland, Massachusetts, Mississippi, New Hampshire, New Jersey, New York, ~~North Carolina~~, Ohio, Oklahoma, Pennsylvania, ~~South Carolina~~, Texas, Vermont, Virginia and western Tennessee only.

~~California only.~~

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#### **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.

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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 6-3
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.

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### 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.

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	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 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 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.

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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:	0.97
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		
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

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