UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

SEP 19 2001

CERTIFIED MAIL

Mr. Les Shockey
Manager, Registration Department
DREXEL CHEMICAL COMPANY
1700 Channel Ave., P.O. Box 13327
Memphis, TN 38113-0327

Dear Mr. Shockey:

SUBJECT: Reregistration - Label Revisions
Drexel EPTC 7EC, EPA REG. No. 19713-101
Your Submission Dated August 4, 2000

The product labeling referred to above, submitted in connection with reregistration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you make the required changes listed below:

1. It is recommended that the common name, "EPTC", be added in front of the chemical name in the ingredient statement.

2. The "Signal Word" must be changed to read: "WARNING AVISO".

3. The "First Aid" change to read as follows:

If swallowed:
- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.

If in eyes:
- Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Call a poison control center or doctor for treatment advice.

CONCURRENCES								
SYMBOL ▸	7505C							
SURNAME ▸	MINOR, E.							
DATE ▸	Sep 17, 2001							

If on skin:
- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

If inhaled:
- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

For additional information in case of emergency call toll free (*Co. telephone number*).

Have the product container or label with you when calling a poison control center or doctor or going for treatment".

3. Add the following "Note to Physician": Probable mucosal damage may contraindicate the use of gastric lavage. The "Note to Physician" should include text that addressees the presence of a cholinesterase inhibitor. The following statements are suggested types of additional information that may be included in the "Note to Physician":
–technical information on symptomatology;
–use of supportive treatments to maintain life functions;
–medicine that will counteract the specific physiological effects of the pesticide;
–company telephone number to specific medical personnel who can provide specialized medical advice.

4. Change the "Hazards to Humans and Domestic Animals" statements to read as follows:
"Warning"
"Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through the skin or inhaled. Do not get in eyes or on clothing. avoid contact with skin. Avoid breathing vapor or spray mist".

5. Revise the "PPE" to read as follows:
"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 resistant category selection chart.

"Mixers, Loaders and Handlers exposed to the concentrate must wear: Long-sleeved shirt and long pants; chemical-resistant gloves, such as ___or___or___or___; chemical resistant apron; chemical resistant footwear and socks, and protective eyewear.

persons mixing and loading into chemigation systems, must wear a NIOSH approved respirator with: an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C); or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G); or a NIOSH approved respirator with an (OV) cartridge; or a canister with any N. R. P. or HE prefilter.

Applicators and other handlers only exposed to the product that has been diluted must wear: long-sleeved shirt and long pants; and shoes plus socks.

In addition applicators using back-pack or hand-held equipment must wear chemical resistant gloves, such as ___or___or___or___; and applicators applying dry-bulk fertilizer with a specialized truck designed to treat more than 80 acres, must wear a NIOSH approved respirator with: an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C); or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G); or a NIOSH approved respirator with an (OV) cartridge; or a canister with any N. R. P. or HE prefilter.

If you prohibit the use of back-pack or hand-held equipment on the label you may delete this statement.

6. It is recommended that the glove statement for early entry be revised to read: "Chemical resistant gloves, such as ___or___or___or___;".

7. If this product can be used in an irrigation system that connects to a public water system, add the text required in Section VI of PR Notice 87-1 or add a statement prohibiting this use.

8. It is recommended that text stating that "aerial application is prohibited" be added or add the "aerial drift" mitigation language specified in the RED.

9. Change the heading "Crop Recommendations" to "Application Instructions".

10. It is recommended that the "Rate Conversion Table" be moved from the section entitled "Northern Region" to the "General Information" section.

11. Under the heading "Incorporation Directions" the following text "this product and ???? tank mixes", must be revised to comply with PR Notice 82-1 using text such as: "This product can be mixed with...(chemical name or specific product name) for use on (crops/sites) in accordance with the more restrictive label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing"

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12. Policy and Criteria Notice 2163.1, states that the Agency will not conduct a detailed review of such liability disclaimers or purported buyer agreement to assume risk; the approval of labels with such statements should not be construed as a decision by the Agency that the language is not misleading and that the label language might eventually have to changed.

Submit the labeling reflecting the above outlined changes to the Agency for review within thirty (30 days of receipt of this letter. Failure to do so will result in issuance of a Notice of Intent to Suspend your product's registration.

Sincerely,

James A. Tompkins
Product Manager (25)
Herbicide Branch
Registration Division (7505C)

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ACCEPTED
with COMMENTS
In EPA Letter Dated
SEP 19 2001
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 19713-101

EPTC-7EC

Selective Herbicide - Emulsifiable Liquid

ACTIVE INGREDIENT:	
S-ethyl dipropylthiocarbamate*	87.8%
OTHER INGREDIENTS:	12.2%
TOTAL:	100.0%

This product contains 7 pounds of active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See FIRST AID Below
SHAKE WELL BEFORE USING

EPA Reg. No. 19713-101
EPA Est. No. 19713-MS-1 **Net Contents:** _____

FIRST AID

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

IF ON SKIN: Immediately remove contaminated clothing, INCLUDING SHOES, and wash skin with soap and plenty of water. If irritation develops, send for a physician.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed. Do not get in eyes, on skin or on clothing. Do not breathe spray mist. Do not wear contaminated clothing. Do not use or store near food or feed products. Do not use around home or recreation areas.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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, Nitrile Rubber, Neoprene Rubber or Viton, and shoes plus socks. In addition to the above PPE, persons mixing and loading into chemigation systems, must wear a NIOSH approved respirator with and organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an (OV) cartridge, or a canister with any R, P or HE prefilter.

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

Engineering Controls

Commercial (for-hire) handlers engaged in impregnating this product into dry bulk fertilizer must: Use a closed system that meets the requirements listed in the Worker Protection System (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)], and wear the PPE required for mixers/loaders, except shoes may be substituted for chemical-resistant footwear; and have immediately available for use in case of an accident, a NIOSH-approved respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C, or a canister approved for pesticides (MSHA/NIOSH approval number TC-14G), or a NIOSH approved respirator with an (OV) cartridge, or a canister with any R, P or HE prefilter.

(Continued)

PRECAUTIONARY STATEMENTS *(Continued)*

When other handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(4-5], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) 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.

ENVIRONMENTAL HAZARDS

This chemical is toxic to mammals. Do not apply directly to water or to areas where water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or 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 hot 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.

AGRICULTURAL USE REQUIREMENTS

Use this product in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, 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 protective equipment (PPE) and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI of 12 hours.

Exception: If this product is soil-injected or soil-incorporated, the WPS, 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 WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, chemical-resistant gloves and shoes plus socks.

EPTC-7EC is a selective herbicide which for most uses must be mixed (incorporated) or injected subsurface into the soil, or applied in the irrigation water for control of weeds listed on this label. This product controls weeds by interfering with normal germination and seedling development. This product does not control established or germinated weeds present at application.

Manufactured By:
Drexel Chemical Company
P.O. BOX 13327, MEMPHIS, TN 38113-0327
SINCE 1972

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GENERAL USE PRECAUTIONS

Read all label directions before using.

This product should be used only for recommended purposes and recommended rates. DO NOT OVERDOSE. This product is recommended for use on mineral soils (soils containing less than 10% organic matter). Keep container tightly closed when not in use. Do not store near seeds or fertilizers. Store out of reach of children, pets and domestic animals. Rinse spray equipment and empty container. Apply this product only as specified on this label.

SPECIAL PRECAUTIONS FOR CROP USES

For incorporated applications, use equipment which has been proven to incorporate thoroughly to the recommended depth.

In irrigated areas, do not apply this product prior to pre-irrigation.

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

When properly applied and weather conditions exist for normal plant growth through the season, this product will not harm the treated crop nor should harmful soil residues remain beyond harvest. However, during germination and early growth, extended periods of unusually cold and wet or hot and dry weather, insect, nematode or plant disease attack, carry-over soil residues of certain persistent herbicides, the use of certain soil-applied systemic insecticides, highly saline or alkaline soil conditions, improperly placed fertilizers or soil insecticides may create abnormal conditions that weaken crop seedlings. Also some of these abnormal conditions may weaken established crops: Alfalfa, Almonds, etc. This product, used under these abnormal conditions could result in crop injury.

WEEDS CONTROLLED

This product will not control established weeds.

ANNUAL GRASSES	
Common Name	**Scientific Name**
Annual Bluegrass	*Poa annua*
Annual Ryegrass (Italian Ryegrass)	*Lolium multiflorum*
Barnyardgrass (Watergrass, Junglerice)	*Echinochloa* spp.
Bermudagrass (Seedlings)	*Cynodon dactylon*
Crabgrass	*Digitaria* spp.
Giant foxtail	*Setaria faberi*
Goosegrass	*Eleusine indica*
Green foxtail	*Setaria viridis*
Johnsongrass (Seedlings)	*Sorghum halepense*
Lovegrass (Stinkgrass)	*Eragrostis cilianensis*
Panicum, Fall	*Panicum dichotomiflorum*
Panicum, Texas*	*Panicum texanum*
Rescuegrass	*Bromus catharticus*
Sandbur, Field	*Cenchrus incertus*
Shattercane**	*Sorghum bicolor*
Signalgrass	*Brachiaria* spp.
Volunteer grains (Barley, Oats, Wheat)*	*Avena fatua*
Wild oats*	*Panicum capillare*
Witchgrass*	*Setaria lutescens*
Yellow foxtail	

*May not be controlled at less than 3½ pints of this product per acre.
**May not be controlled at less than 7 pints of this product per acre.

ANNUAL BROADLEAF WEEDS	
Common Name	**Scientific Name**
Tall morningglory	*Ipomoea purpurea*
Black Nightshade*	*Solanum nigrum*
Carpetweed	*Mollugo verticillata*
Chickweed, Common	*Stellaria media*
Corn spurry	*Spergula arvensis*
Cutlery nightshade*	*Solanum triflorum*
Deadnettle (Henbit)	*Lamium amplexicaule*
Fiddleneck	*Amsinckia* spp.
Florida pusley	*Richardia scabra*
Hairy Nightshade*	*Solanum sarrachoides*
Lambsquarters, Common*	*Chenopodium album*
Nettleleaf, Goosefoot	*Chenopodium murale*
Purslane, Common	*Portulaca oleracea*
Prostrate pigweed	*Amaranthus blitoides*
Prickly Sida*	*Sida spinosa*
Redroot pigweed (Common pigweed)	*Amaranthus retrofexus*
Sicklepod*	*Cassia obtusifolia*
Tumble pigweed	*Amaranthus albus*

*May not be controlled at less than 4½ pints of this product per acre.

The annual Broadleaf weeds listed in the previous table will be controlled only if treatment is made when conditions are favorable for weed germination and growth. Broadleaf weeds may only be suppressed at less than 3½ pints of this product per acre in heavier soils or under very cold soil conditions.

PERENNIAL WEEDS	
Common Name	**Scientific Name**
Bermudagrass	*Cynodon dactylon*
Purple nutsedge*	*Cyperus rotundus*
Quackgrass	*Agropyron repens*
Yellow nutsedge*	*Cyperus esculentus*

*May not be controlled at less than 3½ pints of this product per acre.

Perennial weeds must be turned under and chopped up thoroughly prior to treatment. The underground rhizomes of Quackgrass and the rhizomes and stolons of Bermudagrass must be cut up thoroughly so that four or less nodes remain on a strand. For the suppression or control of Quackgrass and Bermudagrass, the disc must be set to cut 6 inches deep. Use 4½ to 7 pints of this product for Quackgrass and 3½ to 7 pints for Bermudagrass. This product should be incorporated by discing or applied in the irrigation water after the rhizomes and stolons have been cut up. Consult recommendations for crops on which these higher rates may be used. Nutsedge may not be controlled by water-run applications in heavier soils.

APPLICATION DIRECTIONS

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

This product may be combined with solution, slurry or suspension fertilizers. However, physical compatibility with these fluid fertilizers must be determined before combining in the spray tank. See *"APPENDIX I"* for special direction regarding these combinations. Even though found to be compatible, constant agitation is necessary to keep this product uniformly mixed with the fluid fertilizer.

For all band applications, reduce dosage proportionately depending upon row spacing and band width to be treated.

IMPREGNATION ON DRY FERTILIZER

This product may be impregnated on dry fertilizer for use on registered crops. However, uniform distribution of this product on fertilizer particles and uniform application are necessary to assure good results. See "APPENDIX II" directions for impregnation and use.

INCORPORATION DIRECTIONS

This product and ???? tank mixes must be incorporated (mixed thoroughly) into the top 2 to 3 inches of soil immediately to prevent loss of the herbicide. Whenever possible, application and incorporation should be done in the same operation.

SOIL MIXING (INCORPORATION) BEFORE PLANTING: The following equipment commonly is used for soil mixing (incorporation) before planting:

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 Perennial grasses and in heavier soils), disc in two different directions (cross disc). The second pass should be slightly shallower than the first.

Field Cultivators (recommended for Spring application on Coarse text-ured soils and for Fall application on all soils; use only on soils in good tilth). 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 chisel plows to incorporate. 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 Coarse and Medium textured soils in good tilth only). Set to penetrate to a depth of 4 to 5 inches and operated at 5 to 8 mph in two different directions.

SOIL MIXING (INCORPORATION) AFTER PLANTING: The following equipment commonly is used for soil mixing (incorporation) after planting:

Power-Driven Cultivation Equipment (recommended on all soil types) set to cut to a depth of 2 to 3 inches and operated at 6 to 8 mph.

Rolling Cultivators (recommended on Coarse and Medium textured soils only) set to cut to a depth of 2 to 3 inches and operated at 6 to 8 mph.

Rotary Hoes or Row Wheels (recommended on Coarse textured soils only) set to cut to a depth of 1 to 1½ inches and operated at 6 to 8 mph.

PRECAUTIONS

In established crops, adjust equipment to throw soil toward the base of the crop. Take care not to disturb the crop seed or seedling when incorporating after planting. Shallow incorporation with implements set to cut less than 2 inches deep may result in erratic weed control.

SUBSURFACE APPLICATION AT PLANTING OR POST-EMERGENCE
Apply this product in 10 or more gallons of water per acre. Special equipment designed for subsurface application MUST be used. Injector and sweep units must be rigidly mounted on the planter or cultivation unit. When using sweeps at planting they must be mounted ahead of the planters.
Soil Injection: Injector shanks must be spaced 2½ to 3 inches apart and mounted in staggered positions to avoid trash buildup. Set shanks to inject this product 2 to 3 inches below the soil surface. The width of the band in which weed control is desired will determine the number and spacing of injector shanks required per row. (Example: Four injector shanks spaced 3 inches apart give a 12-inch band.) A broadcast application can be made by increasing the number of shanks. The two shanks adjacent to the drill row must be 1¼ to 1½ inches on either side of it, EXCEPT IN COTTON WHERE THE DISTANCE MUST BE 4 INCHES ON EITHER SIDE OF THE DRILL ROW, AND SUGAR BEETS WHERE THE DISTANCE MUST BE 2¾ INCHES ON EITHER SIDE OF THE DRILL ROW.
Covered Sweeps: Set the sweeps to run below the soil surface deep enough to cover this product with 2 to 3 inches of soil. Calibrate by measuring the spray band width at the back of the sweep, not the sweep width. For broadcast applications, stagger sweeps on double tool bar so they overlap sufficiently to allow spray bands to meet. Note: When applying with either injectors or sweeps, this product must be applied deep enough to allow 2 to 3 inches of soil to remain over the treatment after the planting operations.

PLANTING DIRECTIONS
For pre-plant applications, seeding should be done as soon as possible after treatment to obtain a maximum period of weed control.

IRRIGATION APPLICATION POST-PLANTING AND ESTABLISHED CROPS
Meter this product into the irrigation water by using a metering device that will introduce a constant flow into the water. For flood, furrow or sprinkler irrigation, meter into the water during the entire period, OR, for sprinkler irrigation, this product may be metered into sufficient water to penetrate to a depth of 3 to 4 inches. Time application of this product to ensure that proper penetration of the herbicide corresponds with the end of the irrigation period. Flush the lines and then turn the water off promptly. Consult *"RECOMMENDATIONS"* on this label for proper timing of application for each crop for which irrigation application is recommended.

USE PRECAUTIONS FOR SPRINKLER IRRIGATION SYSTEMS
Apply this product only through sprinkler, including center pivot, flood (basis) or furrow, irrigation systems. Do not apply this product through any other type of irrigation system.
Crop injury, lack of effectiveness or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
Application of more than label-recommended quantities of irrigation water per acre may result in decreased product performance by removing the chemical from the zone of effectiveness.
The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.
The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
Do not apply when wind speed favors drift beyond the area intended for treatment, when system connections or fitting leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.
Any alternative to the above required safety devices must conform to the list of EPA-approved alternative devices.

USE PRECAUTIONS FOR FLOOD OR FURROW IRRIGATION
Tailwater (runoff water) from flood or furrow irrigation should be recirculated or used only on other crops which are registered for this type of application.
Systems using a gravity-flow pesticide-dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity, such as a drop structure of weir box, to decrease potential for water-source contamination from backflow if water flow stops.
Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

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

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

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

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

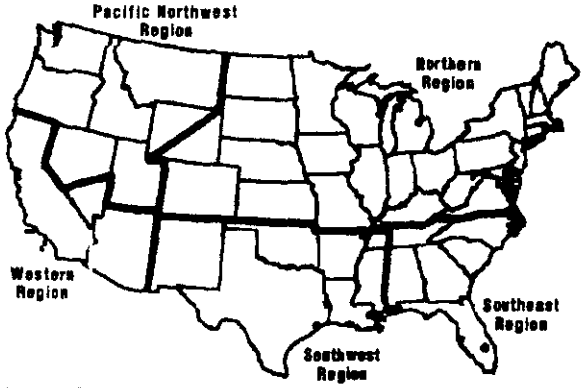
The irrigation line or water pump must include a functional pressure switch within will stop the water pump motor when the water pressure decreased to the point where pesticide distribution is adversely affected.

Systems must use a meter in 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.

Any alternative to the above-required safety devices must conform to the list of EPA-approved alternative devices.
Note: Do not allow this product to drift.

CULTURAL PRACTICES FOLLOWING APPLICATION
Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better weed control. When cultivating for any reason, it should be shallow, ie., no more than ½ the depth of the herbicide was incorporated or injected. Pre-emergence or post-emergence herbicides may be necessary to control weeds resistant to this product.

REGIONAL USE MAP



CROP RECOMMENDATIONS

All crop recommendations are given on a regional basis. There are five regions, as delineated on the U.S. map printed above. USE THE RECOMMENDATIONS IN YOUR REGION ONLY.

RATE CONVERSION TABLE
Dosage rates in this label are expressed as pints of this product per acre. The following table shows pints of this product per acre in the left column and the equivalent amount of active ingredient per acre in the center column.

NORTHERN REGION

Recommendations

Pts. of This Product per Acre	Lbs. of Active Ingredient per Acre	Acres Treated by 1 Gal. of This Product
1¼	1	7
1¾	1½	4⅘
2¼	2	3½
3½	3	2⅓
4½	4	1¾
5¼	4½	1½
5¾	5	1⅖
7	6	1⅛
8½	7½	1
17	15	½

These recommendations are given as the broadcast (overall) rates of this product per acre. For band treatment, use proportionately less material per acre depending upon the width of the band to be treated and the crop row spacing. Do not use band application on rocky ground because thorough incorporation is not possible.

ALFALFA*, BIRDSFOOT TREFOIL, CLOVERS, LESPEDEZA: Do not use this product if a grass or grain nurse crop is to be planted with the Legume. Do not use on White dutch clover. Apply and incorporate 3½ to 4½ pints of this product per acre just before planting. Temporary crop stunting and sealing of the first leaves will occur if conditions for germination and growth are not optimum (e.g., lack of moisture), and will be relieved by irrigation or adequate rainfall.

OR

ALFALFA* (For Control of Annual Grasses Growing from Seed Only): Apply and incorporate 2¼ pints of this product per acre just before planting. Temporary crop stunting and sealing of the first leaves will occur if conditions for germination and growth are not optimum.

AND/OR

ALFALFA Established Stands): Meter 2¼ to 3½ pints of this product per acre into the irrigation water applied to established stands prior to weed emergence. Use the lower rate on very Coarse textured soils. Do not apply within 14 days of harvesting or grazing Alfalfa.

LADINO CLOVER (Established Stands): Meter 2¼ to 3½ pints of this product per acre into the irrigation water applied to established stands prior to weed emergence. Use the lower rate on very Coarse textured soils. Do not apply within 45 days of harvesting or grazing.

BEANS, DRY OR GREEN: Do not use this product on **Adzuki beans**, Cowpeas, (Black-eyed peas, Black-eyed beans), **Garbanzo beans, Lima beans**, Mung beans, Soybeans or other flat-podded beans except **Romano**. Under abnormal weather conditions, stunting may occur on **Gratiot, Michillte, Sanilac, Seafarer and Seaway varieties**. Do not exceed 3½ pints of this product per acre on small White beans or Green beans grown on Coarse textured soils. Do not exceed 9¾ pints of this product per acre per crop.

Fall Application (Dry beans, MN and ND only): Apply and incorporate in the late Fall before the ground freezes. Use 4½ pints of this product per acre on Coarse textured soils and 5¼ pints of this product per acre on Medium and Fine textured soils.

Application at Planting: Apply and incorporate just before planting or meter into the irrigation water before or immediately after planting, 3½ to 4½ pints of this product per acre. Rotary hoe lightly during or shortly after emergence of the Beans to break any crust which occurs.

AND/OR LAY-BY

Directed Application: At time of last cultivation for the season, apply and incorporate 3½ to 4½ pints of this product per acre. Apply as a directed spray to the soil at the base of the plants before Bean pods start to form. Do not feed or pasture vines to livestock within 45 days after application.

OR

Irrigation Application (Dry Beans Only): Meter 3½ to 4½ pints of this product per acre into the irrigation water after clean cultivation. Apply before Bean pods start to form. Do not feed or pasture vines to livestock until 45 days after application.

TANK MIXTURES:

Tank Mixtures with This Product for Beans in Northern Region. Refer to *"TANK MIXTURE"* Section for Use Directions.	
Products	**Comments**
This Product/Treflan® E.C.	Green and Dry Beans
This Product/Dual® 8-E	Dry Beans Only
This Product/Lasso® 4-E	Dry Beans Only
This Product/Prowl® 4-E	Dry Beans Only
This Product/Sonalan® E.C.	Dry Beans Only

CASTOR BEANS: Apply and incorporate 2¼ pints of this product per acre immediately after planting. Use a rotary hoe for incorporation. Early cultivation after application of this product enhances weed control.

POTATOES, IRISH: Do not exceed 7 pints of this product per acre per crop. The superior variety Potato is sensitive to this product and under stress conditions, early season stunting may occur.

Fall Application (MN, ND): Apply and incorporate in the late Fall before the ground freezes. Use 5¼ pints of this product per acre on Coarse textured soils and 7 pints of this product per acre on Medium and Fine textured soils.

Pre-Plant Incorporation: Apply and incorporate 3½ to 7 pints of this product per acre. For Quackgrass and Nutsedge control, use the higher rate.

OR

DRAG-OFF (COME UP, WEEDING TIME)

Apply and incorporate 3½ to 7 pints of this product per acre. For Nutsedge control, use the higher rate. The field first must be "dragged off", followed by application of this product and incorporation. Use spiked-tooth harrows or cultivation equipment for incorporation.

OR LAY-BY

Apply and incorporate 3½ to 4½ pints of this product per acre to clean, cultivated soil after Potato plants have emerged from the soil. Do not apply within 45 days of harvest.

AND/OR

Irrigation: Meter up 3½ pints of this product per acre into the irrigation water after clean cultivation. Do not apply within 45 days of harvest.

TANK MIXTURES:

TANK MIXTURES WITH THIS PRODUCT FOR POTATOES IN NORTHERN REGION.

Refer to *"TANK MIXTURE"* section for use directions.

PRODUCTS: This Product/Metribuzin, This Product/Matrix®

SAFFLOWER: Apply and incorporate 3½ pints of this product per acre just before planting.

SUGAR BEETS

Fall Application (MN, ND): Apply and incorporate in the late Fall before the ground freezes. Use 4½ pints of this product per acre on Coarse textured soils and 5¼ pints of this product on Medium and Fine textured soils.

Pre-plant (IA, MI, MN, ND, Eastern NE, SD): Apply and incorporate 2¼ pints of this product per acre on Coarse textured soil or 3½ pints per acre on Medium and Fine textured soils just before planting. Injury will occur if conditions for germination and growth are not optimum. **OR**

POST-EMERGENCE (After the First True Leaves Have Formed)

Irrigation Water: Meter 2¼ to 3½ pints of this product per acre into the first irrigation applied after the last cultivation for the season.

Incorporation: Apply 3½ pints of this product per acre after thinning and clean cultivation and incorporate to a depth of 2 to 3 inches. Treatment may be used following a Fall application of this product at recommended rates. **OR**

Subsurface Injection: Apply 3½ pints of this product per broadcast acre or in band treatment (using 2 shanks per row at 5½ inches apart, centered on the drill row with rows 22 inches apart) use 1¾ pints of this product per acre. Prior to application, a clean cultivation must be made for all existing weed growth to be destroyed.

TANK MIXTURES:

Tank Mixtures with This Product for Sugar Beets in Northern Region. Refer to *"TANK MIXTURE"* Section for Use Directions.	
Products	**Comments**
This Product/RO-NEET® 6-E	MI, MN, OH and Red River Valley of ND Only.

SUNFLOWER:

Spring Application (CO, KS, MN, ND, SD): Apply and incorporate 2½ to 3½ pints of this product per acre just before planting. Use lower rates on lighter soil.

Fall Application (MN, ND): Apply and incorporate in the late Fall before the ground freezes. Use 4½ pints of this product per acre on Coarse textured soils and 5¼ pints of this product per acre on Medium and Fine textured soils.

TANK MIXTURES:

Tank Mixtures with This Product for Sunflowers in Northern Region. Refer to *"TANK MIXTURE"* Section for Use Directions.	
Products	**Comments**
This Product/Treflan E.C.	CO, KS, MN, ND, NE and SD only.

SOUTHEASTERN REGION

Recommendations

These recommendations are given as the broadcast (overall) rate of this product per acre. For band treatment, use proportionately less material per acre depending on the width of band to be treated and the crop row spacing. Do not use band application on rocky ground because thorough incorporation is not possible.

ALFALFA*, BIRDSFOOT TREFOIL, CLOVERS, LESPEDEZA: Do not use this product if grass or grain nurse crop is to be planted with the Legume. Do not use on White dutch clover. Apply and incorporate 3½ pints of this product per acre just before planting. (For Fall-seeded Alfalfa in SC only, apply and incorporate 1¾ pints of this product per acre just before planting.) Temporary crop stunting and sealing of the first leaves will occur if conditions for germination and growth are not optimum (e.g., lack of moisture), and will be relieved by irrigation or adequate rainfall.

BEANS, DRY OR GREEN: Do not use this product on Adzuki beans, Cowpeas (Black-eyed peas, Black-eyed beans), Garbanzo beans, Lima beans, Mung beans, Soybeans or other flat-podded beans except Romano. Under abnormal weather conditions, stunting may occur on Gratiot, Michilite, Sanilac, Seafarer and Seaway varieties. Do not exceed 7 pints of this product per acre per crop.

AT PLANTING

Pre-plant (Flat-Planted): Use 3½ pints of this product per acre incorporated just before planting on Dry, Snap and Pole beans. Rotary hoe lightly during or shortly after emergence of the Beans to break any crust which occurs.

OR

Subsurface Application: Apply 2¼ pints of this product per acre pre-plant or at planting. See *"DIRECTIONS FOR USE"*.

OR

Bed Treatments:

Method A — Apply 3½ pints of this product per acre broadcast and disc in 6 inches deep prior to forming beds and planting.

Method B — Apply 1¾ pints of this product per acre broadcast (do not disc in immediately ahead of bedding discs. Plant 7 days after treatment.

Method C — Apply as a band treatment (do not disc in) immediately ahead of bedding discs, or as a band treatment to partially formed beds or bed tops immediately in front of the rebedding operation. Use a band rate equivalent to 2¼ pints per acre broadcast. Care should be taken not to fold in treatment.

Example: To apply this product as an 18-inch band on 36-inch rows, use 1¼ pints per crop acre. Plant 7 days after application.

Note: With Methods B and C, if bed shapers (levelers) are used, the bedding up and shaping should be done so that 3 to 4 inches of soil remain over this product.

OR LAY-BY

Directed Application: At the time of last cultivation apply and incorporate 3½ pints of this product per acre. Apply as a directed spray to the soil at the base of the plants before Bean pods start to form. Do not feed or pasture vines to livestock until 45 days after application.

OR

Irrigation Application (Dry Beans Only): Meter 3½ pints of this product per acre into the irrigation water after clean cultivation. Apply before Bean pods start to form. Do not feed or pasture vines to livestock until 45 days after application.

TANK MIXTURES:

Tank Mixtures with This Product for Beans in Southeastern Region. Refer to *"TANK MIXTURE"* Section for Use Directions.	
Products	**Comments**
This Product/Treflan E.C.	Green and Dry beans
This Product/Lasso 4-E	Dry beans only
This Product/Prowl 4-E	Dry beans only
This Product/Sonalan 4E.C.	Dry beans only

CITRUS NURSERY STOCK AND YOUNG FIELD PLANTINGS (NON-BEARING GRAPEFRUIT AND ORANGE GROVES): After lining out, apply 3½ to 7 pints of this product per acre as a directed spray to the soil. Incorporate with cultivation equipment, i.e., tree hoes and rotary hoes.

CITRUS (GRAPEFRUIT, ORANGES, TANGERINES): AFTER CLEAN CULTIVATION OR PRIOR TO WEED EMERGENCE In bearing Citrus, apply 3½ pints of this product per acre by flood or furrow irrigation. Meter this product into the water during the entire irrigation period. Do not apply within 14 days of harvest.

COTTON: Non-Irrigated Areas Only

Application After Stand Is Established: Apply 2¼ pints of this product per broadcast acre. Use specially designed injector units or sweeps for application. If incorporated application is to be made, use power-driven rotary tillers set to a depth of 2 to 3 inches. Apply after Cotton has 2 to 4 leaves. Do not apply after first bolls open. DO NOT APPLY CLOSER THAN 4 INCHES EITHER SIDE OF THE COTTON DRILL.

Note: Tandem discs may be used for incorporation in the skips of skip row Cotton.

Cotton is susceptible to injury from this product. Follow directions for use carefully to avoid crop injury.

PINE SEEDLING NURSERIES (Loblolly, Longleaf, Shortleaf, Slash): Apply and incorporate 7 pints of this product per acre 14 days prior to seeding.

POTATOES, IRISH: Do not exceed 3½ pints of this product per acre per crop.

PRECAUTIONS: In FL, on Winter and early Spring Potatoes, apply only after Potatoes have emerged and true leaves have formed.

BEFORE OR AT PLANTING

Pre-plant: Apply and incorporate 3½ pints of this product per broadcast acre just before planting. For incorporated applications to beds, apply as a band application and incorporate with ground- or power-driven tillers.

Example: IN 18-inch bands on 36-inch rows, use 1¾ pints per crop acre. See *"DIRECTIONS FOR USE"*.

OR

Before Planting and Before Bed Formation; Band Application: Apply as a band, equivalent to 3½ pints per acre broadcast basis. Cover with 3 to 4 inches of soil with bedding discs, middle busters or other suitable bed-making equipment. Care should be taken not to fold in the band treatment.

OR

After Planting But Before Bed Formation: Apply 1¾ pints of this product per broadcast acre over planted crop and bed up immediately with bedding discs set to cover 3 to 4 inches of soil.

After Planting and After Bed Formation: Apply this product as a band at a rate equivalent to 3½ pints per acre, broadcast basis. Rebed immediately after application with bedding discs set to cover with 3 to 4 inches of soil. Care should be taken not to fold in the band treatment.

OR

After Planting and After Bed Formation: Apply 1¾ of this product per broadcast acre. Rebed immediately after application with bedding discs set to cover with 3 to 4 inches of soil.

OR

DRAG-OFF (COME UP, WEEDING TIME)

Apply this product as a band treatment after drag-off, at a rate equivalent to 3½ pints per acre (broadcast basis) after Potato plants have emerged from the soil. Apply as a directed spray to the soil in bands on both sides of the row.

Immediately cover this product with 3 to 4 inches of soil by rebedding with bedding discs. Care should be taken not to fold in the band treatment.

Example: Apply 2¼ pints of this product per crop acre as a directed spray to the soil in 12-inch bands on both sides of 36-inch rows. Do not apply within 45 days of harvest.

OR

Irrigation: Meter 3½ pints of this product per acre into the irrigation water after clean cultivation. Do not apply within 45 days of harvest.

TANK MIXTURES:

TANK MIXTURE WITH THIS PRODUCT FOR POTATOES IN SOUTHEASTERN REGION.

REFER TO *"TANK MIXTURE"* SECTION FOR USE DIRECTIONS.

Products: This Product/Matrix

SOUTHWESTERN REGION

Recommendations

These recommendations are given as the broadcast (overall) rate of this product per acre. For band treatment, use proportionately less material per acre, depending on the width of band to be treated and the crop row spacing. Do not use band applications on rocky ground because thorough incorporation is not possible.

ALFALFA*, BIRDSFOOT TREFOIL, CLOVERS, LESPEDEZA: Do not use this product if a grass or grain nurse crop is to be planted with the Legume. Do not use on White dutch clover. Apply and incorporate 3½ pints of this product per acre just before planting. Temporary crop stunting and sealing of the first leaves will occur if conditions for germination and growth are not optimum (e.g., lack of moisture) and will be relieved by irrigation or adequate rainfall.

AND/OR

ALFALFA (Established Stands): Meter 2¼ to 3½ pints of this product per acre into the irrigation water applied to established stands prior to weed emergence. Use the lower rate on very Coarse textured soils. Do not apply within 14 days of harvesting or grazing Alfalfa.

LADINO CLOVER (Established Stands): Meter 2¼ to 3½ pints of this product per acre into the irrigation water applied to established stands prior to weed emergence. Use the lower rate on very Coarse textured soils. Do not apply within 45 days of harvesting or grazing.

BEANS, DRY OR GREEN: Do not use this product on Adzuki beans, Cowpeas (Black-eyed beans, Black-eyed peas), Garbanzo beans, Lima beans, Mung beans, Soybeans or other flat-podded beans except Romano. Under abnormal weather conditions, stunting may occur on Gratiot, Michilite, Sanilac, Seafarer and Seaway varieties. Do not exceed 7 pints of this product per acre per crop.

BEFORE OR AT PLANTING

Pre-Plant (Flat-Planted): Apply and incorporate 3½ pints of this product per acre just before planting. Rotary hoe lightly during or shortly after emergence of the Beans to break any crust which occurs.

OR

Sub-surface Application: Apply 3½ pints of this product per acre pre-plant, or at planting. See *"DIRECTIONS FOR USE"*.

OR LAY-BY

Directed Application: At the time of the last cultivation, apply and incorporate 3½ pints of this product per acre. Apply as a directed spray to the soil at the base of the plants before Bean pods start to form. Do not feed or pasture vines to livestock until 45 days after application.

OR

Irrigation Application (Dry Beans Only): Meter 3½ pints of this product per acre into the irrigation water after clean cultivation. Apply before Bean pods start to form. Do not feed or pasture vines to livestock until 45 days after application.

*Alfalfa is sensitive to soil residues of atrazine. Do not use this product on Alfalfa if atrazine was applied within the previous 12 months

TANK MIXTURES:

Tank Mixtures with This Product for Beans in Southeastern Region. Refer to *"TANK MIXTURE"* Section for Use Directions.	
Products	**Comments**
This Product/Treflan E.C.	Green and Dry beans
This Product/Lasso 4-E	Dry beans only
This Product/Prowl 4-E	Dry beans only
This Product/Sonalan 4E.C.	Dry beans only

CITRUS NURSERY STOCK AND YOUNG FIELD PLANTINGS (NON-BEARING GRAPEFRUIT AND ORANGE GROVES): After lining out, apply 3½ to 7 pints of this product per acre as a directed spray to the soil. Incorporate with cultivation equipment, i.e., tree hoes and rotary hoes.

CITRUS (GRAPEFRUIT, ORANGES, TANGERINES): AFTER CLEAN CULTIVATION OR PRIOR TO WEED EMERGENCE in bearing Citrus, apply 3½ pints of this product per acre by flood or furrow irrigation. Meter this product into the water during the entire irrigation period. Do not apply within 15 days of harvest.

COTTON: Non-Irrigated Areas Only

Application After Stand is Established: Apply 2¼ pints of this product per broadcast acre. Use specially designed injector units or sweeps for application. If incorporated application is to be made, use power-driven rotary tillers set to a depth of 2 to 3 inches. Apply after Cotton has 2 to 4 leaves. Do not apply after first bolls open. DO NOT APPLY CLOSER THAN 4 INCHES EITHER SIDE OF THE COTTON DRILL.

Note: Tandem discs may be used for incorporation in the skips of skip row Cotton.

Cotton is susceptible to injury from this product. Follow directions for use carefully to avoid crop injury.

PINE SEEDLING NURSERIES (Loblolly, Longleaf, Shortleaf, Slash): Apply and incorporate 7 pints per acre 14 days prior to seeding.

POTATOES, IRISH: Do not exceed 7 pints of this product per acre per crop.

Pre-Plant: Apply and incorporate 3½ to 7 pints of this product per acre just before planting.

OR

DRAG-OFF (COME UP, WEEDING TIME)

Incorporation: Apply and incorporate 3½ to 7 pints of this product per acre after Potato plants have emerged from the soil. Do not apply within 45 days of harvest.

OR

Irrigation: Meter up to 3½ pints of this product per acre into the irrigation water after clean cultivation. Do not apply within 45 days of harvest.

TANK MIXTURES:

TANK MIXTURE WITH THIS PRODUCT FOR POTATOES IN SOUTH-WESTERN REGION.

REFER TO *"TANK MIXTURE"* SECTION FOR USE DIRECTIONS.

PRODUCTS: This product/Matrix

SUGAR BEETS—POST-THINNING:

Irrigation Water: Meter 2¼ to 3½ pints of this product per acre into the first irrigation applied after the last cultivation for the season.

OR

Incorporation: Apply and incorporate 2¼ pints of this product per acre after thinning and clean cultivation and incorporate to a depth of 2 to 3 inches.

PACIFIC NORTHWEST REGION

Recommendations

DIRECTIONS FOR USE

Incorporation Directions

This product must be incorporated into the soil to prevent loss of the herbicide. Whenever possible, application and incorporation should be done in the same operation.

Soil Mixing (Incorporation) Directions:

For Semi-Arid Areas of Eastern WA, Eastern OR and ID Only: When application and incorporation are done in separate operations, this product must be incorporated the same day as application. Application must be made on a dry soil surface (at least ½ inch deep), free from dew and incidental moisture.

Delay Incorporation of Dry Bulk Fertilizers for Semi-Arid Areas of Eastern WA, Eastern OR and ID Only: The application and incorporation of dry bulk fertilizer impregnated with this product must be carried out on the same day. Application must be made on a dry soil surface (at least ½ inch deep), free from dew and incidental moisture.

Sprinkler Incorporation of This Product in the Semi-Arid Areas of Eastern WA, Eastern OR and ID Only: Surface apply this product after planting. The soil surface should be dry (at least ½ inch deep) and free from dew and incidental moisture. Incorporate using ½ to ¾ inch of water within 35 hours following application. The application and incorporation must be done within 5 days after the last tillage operation, since poor results will occur if weeds have germinated.

CROP RECOMMENDATIONS

These recommendations are given as the broadcast (overall) rate of this product per acre. For band treatment, use proportionately less material per acre, depending on the width of band to be treated and the crop row spacing. Do not use band application on rocky ground because thorough incorporation is not possible.

ALFALFA*, BIRDSFOOT TREFOIL, CLOVERS, LESPEDEZA: Do not Legume. Do not use on White dutch clover. Apply and incorporate 2¼ to 4½ pints of this product per acre just before planting. Use the lower rate on very Coarse textured soils. Temporary crop stunting and sealing of the first leaves will occur if conditions for germination and growth are not optimum (e.g., lack of moisture), and will be relieved by irrigation or adequate rainfall.

OR

ALFALFA*: Meter 2¼ to 4½ pints of this product per acre into the irrigation water that is applied immediately after planting or during stand establishment. Applications made late Summer or early Fall, use 2¼ to 4½ of this product. Applications made in the Spring or early Summer, use 2¼ to 3½ pints of this product. Use the lower rate on very Coarse textured soils. Temporary crop stunting and sealing of the first leaves will occur if conditions for germination and growth are not optimum. Do not apply within 14 days of harvesting or grazing Alfalfa.

AND/OR

ALFALFA (ESTABLISHED STANDS): Meter 2¼ to 3½ pints of this product into the irrigation water applied to established stands prior to weed emergence. Use the lower rate on very Coarse textured soils. Do not apply within 14 days of harvesting or grazing Alfalfa.

LADINO CLOVER (ESTABLISHED STANDS): Meter 2¼ to 3½ pints of this product per acre into the irrigation water applied to established stand prior to weed emergence. Use the lower rate on very Coarse textured soils. Do not apply within 45 days of harvesting or grazing.

BEANS, DRY OR GREEN: Do not use this product on Adzuki beans, Cowpeas (Black-eyed beans, Black-eyed peas), Garbanzo beans, Lima beans, Mung beans or other flat-podded Beans except Romano. Under abnormal weather conditions, stunting may occur on Gratiot, Michillte, Sanilac, Seafarer and Seaway varieties. Do not exceed 9 pints of this product per acre per crop.

PRE-PLANT OR AT PLANTING

Incorporation: Apply and incorporate 3½ to 4½ pints of this product per acre just before planting. Rotary hoe lightly during or shortly after emergence of the Beans to break any crust which occurs.

OR

Sub-Surface Application: Apply 3½ pints of this product per acre pre-plant, just before planting or at planting. See *"DIRECTIONS FOR USE"*.

OR

Irrigation Application: Meter 3½ to 4½ pints of this product per acre into the irrigation water before or immediately after planting. Rotary hoe lightly during or shortly after emergence of the beans to break any crust which occurs.

AND/OR LAY-BY

Directed Application: At time of last cultivation for the season, apply and incorporate 3½ to 4½ pints of this product per acre for Grass and Broadleaf control. Apply as a directed spray to the soil at the base of the plants before Bean pods start to form. Do not feed or pasture vines to livestock until 45 days after application.

OR

Sub-Surface Application: Prior to application, a clean cultivation must be made for all existing weed growth to be destroyed. Apply 3½ pints of this product per broadcast acre or in a band treatment (using 2 shanks per row 5½ inches apart, centered on the drill row with rows 38 inches apart), use 1¾ pints per acre. See *"DIRECTIONS FOR USE"*.

OR

Irrigation Application (Dry Beans Only): Meter 3½ to 4½ pints of this product per acre into the irrigation water after clean cultivation Apply before Bean pods start to form Do not feed or pasture vines to livestock until 45 days after application.

TANK MIXTURES:

Tank Mixtures with This Product for Beans in Pacific Northwest Region. Refer to *"TANK MIXTURE"* Section for Use Directions.	
Products	**Comments**
This Product/Treflan E.C.	Green and Dry beans
This Product/Dual 8-E	Dry beans only
This Product/Lasso 4-E	Dry beans only
This Product/Prowl 4-E	Dry beans only
This Product/Sonalan 4E.C.	Dry beans only

POTATOES, IRISH: Do not exceed 14 pints of this product per acre per crop.

The use of a Dammer/Diker following application of this product will cause untreated soil to be brought to the surface and may reduce weed control.

Pre-Plant: Apply and incorporate just before planting, 3½ to 7 pints of this product per acre; use 4½ pints per acre for Quackgrass control and 7 pints per acre for Hairy nightshade control.

*Alfalfa is sensitive to soil residues of atrazine. Do not use this product on Alfalfa if atrazine was applied within the previous 12 months.

Drag-Off (Come up, Weeding time) Incorporation: Apply and incorporate 3½ to 7 pints of this product per acre at drag-off. Use the higher rate for Nutsedge control. Use spike-tooth harrows or cultivation equipment for incorporation.

Lay-By: Apply and incorporate 3½ to 7 pints of this product per acre after Potato plants have emerged from the soil. Apply as a directed spray to the soil. Do not apply within 45 days of harvest.

Irrigation: Meter 3½ to 7 pints of this product per acre into the irrigation water after clean cultivation. Do not apply within 45 days of harvest.

TANK MIXTURES:

TANK MIXTURES WITH THIS PRODUCT FOR POTATOES IN PACIFIC NORTHWEST REGION.

REFER TO *"TANK MIXTURE"* SECTION FOR USE DIRECTIONS.

PRODUCTS: This Product/Metribuzin
This Product/Matrix

SAFFLOWER: Apply and incorporate 3½ pints of this product per acre per crop.

SUGAR BEETS: Post-Emergence (After the First True Leaves Have Formed)

Do not exceed 3½ pints of this product per acre per crop except for irrigation applications where 2 applications of 3½ pints may be made.

Incorporation: Apply 3½ pints of this product per acre after thinning and clean cultivation and incorporate to a depth of 2 to 3 inches.

OR

Irrigation Water: Meter 2¼ to 3½ pints of this product per acre into the irrigation water after clean cultivation. Do not exceed 7 total pints of this product per acre per crop. Do not apply within 49 days of harvest.

OR

Sub-Surface Injection: Apply 3½ pints of this product per broadcast acre or in band treatment (using 2 shanks per row 5½ inches apart, centered on the drill row with rows 22 inches apart), use 1¾ pints of this product per acre. Prior to application, a clean cultivation must be made for all existing weed growth to be destroyed.

WALNUTS: After clean cultivation or prior to weed emergence on well-established trees, meter 3½ pints of this product per acre into the irrigation water during the entire irrigation period.

WESTERN REGION

Recommendations

These recommendations are given as the broadcast (overall) rate of this product per acre. For band treatment, use proportionately less material per acre depending on the width of band to be treated and the crop row spacing. Do not use band application on rocky ground because thorough incorporation is not possible.

In CA, refer to the supplemental label for additional mitigation measures for Handlers and Applicators.

ALFALFA*, BIRDSFOOT TREFOIL, CLOVERS, LESPEDEZA: Do not use this product if grass or grain nurse crop is to be planted with the legume. Do not use on White dutch clover. Apply and incorporate 2¼ to 4½ pints of this product per acre just before planting. Use the lower rate on very Coarse textured soils. Temporary crop stunting and sealing of the first leaves will occur if conditions for germination and growth are not optimum (e.g., lack of moisture), and will be relieved by irrigation or adequate rainfall.

OR

ALFALFA*: Meter 2¼ to 4½ pints of this product per acre into the irrigation water that is applied immediately after planting or during stand establishment. Use the lower rate on very Coarse textured soils. Temporary crop stunting and sealing of the first leaves will occur if conditions for germination and growth are not optimum. Do not apply within 14 days of harvesting or grazing Alfalfa. Do not use this product pre-emergence on rill-irrigated (corrugated) Alfalfa.

AND/OR

ALFALFA (ESTABLISHED STANDS): Meter 2¼ to 3½ pint of this product per acre into the irrigation water applied to established stands prior to weed emergence. Use the lower rate on very Coarse textured soils. Limit use to one application per cutting. Up to 14 pints of this product per acre per year may be used if applied into the irrigation water. Do not apply within 14 days of harvesting or grazing Alfalfa.

LADINO CLOVER (ESTABLISHED STANDS): Meter 2¼ to 3½ pints of this product per acre into the irrigation water applied to established stands prior to weed emergence. Use the lower rate on very Coarse textured soils. Do not apply within 45 days of harvesting or grazing.

ALMONDS: After making the last cultivation for the season, meter 2½ to 3½ pints of this product per acre into the irrigation water. Do not exceed 7 pints per acre. Do not apply within 16 days of harvest.

BEANS (DRY OR GREEN): Do not use this product on Adzuki beans, Cowpeas (Black-eyed beans, Black-eyed peas), Garbanzo beans, Lima beans, Mung beans, Soybeans or other flat-podded Beans except Romano. Under abnormal weather conditions, stunting may occur on Gratiot, Michilite, Sanilac, Seafarer and Seaway varieties. Do not exceed 8 pints of this product per acre per crop.

PRE-PLANT OR AT PLANTING

Incorporation: Apply and incorporate 3½ pints of this product per acre just before planting. Rotary hoe lightly during or shortly after emergence of the Beans to break any crust which occurs.

OR

Sub-Surface Application: Apply 3½ pints of this product per acre pre-plant, just before planting or at planting. See *"DIRECTIONS FOR USE"*.

AND/OR LAY-BY

Directed Application: At time of last cultivation for the season, apply and incorporate 3½ to 4½ pints of this product per acre for Grass and Broadleaf weed control. Apply as a directed spray to the soil at the base of the plants before Bean pods start to form. Do not feed or pasture vines to livestock until 45 days after application.

OR

Sub-Surface Application: Prior to application, a clean cultivation must be made for all existing weed growth to be destroyed. Apply 3½ pints of this product per broadcast acre, or in a ban treatment (using 2 shanks per row 5½ inches apart, centered on the drill row with rows 38 inches apart), use 1¾ pints per acre. See *"DIRECTIONS FOR USE"*.

OR

Irrigation Application (Dry Beans Only): Meter 3½ to 4½ pints of this product per acre into the irrigation water after clean cultivation. Apply before Bean pods start to form. Do not feed or pasture vines to livestock until 45 days after application.

TANK MIXTURES:

Tank Mixtures with This Product for Beans in Western Region. Refer to *"TANK MIXTURE"* Section for Use Directions.

Products	Comments
This Product/Treflan E.C.	Green and Dry beans
This Product/Lasso 4-E	Dry beans only
This Product/Prowl 4-E	Dry beans only
This Product/Sonalan 4E.C.	Dry beans only

CITRUS NURSERY STOCK AND YOUNG FIELD PLANTINGS (NON-BEARING GRAPEFRUIT, LEMON AND ORANGE GROVES): After lining out, apply 3½ to 7 pints of this product per acre as a directed spray to the soil. Incorporate with cultivation equipment, i.e., tree hoes and rotary hoes.

CITRUS (GRAPEFRUIT, LEMONS, ORANGES, TANGERINES): After clean cultivation or prior to weed emergence in bearing Citrus, apply 3½ pints of this product per acre by flood or furrow irrigation. Do not exceed 10½ pints total of this product per acre per year when multiple applications are made. Do not apply within 14 days of harvest.

POTATOES, IRISH: Do not exceed 14 pints of this product per acre per crop.

Pre-Plant: Apply and incorporate 3½ pints of this product per acre just before planting. **For Northern CA counties (Lassen, Modoc, Shasta, Siskiyou) only:** Apply and incorporate just before planting 3½ to 7 pints of this product per acre; use 4½ pints per acre for Quackgrass control and 7 pints per acre for Hairy nightshade control.

Drag-Off: Apply and incorporate 3½ pints of this product per acre. The field first must be "dragged-off", then this product applied and incorporated. Use spike-tooth harrows or cultivation equipment for incorporation.

AND/OR LAY-BY

Incorporation: Apply and incorporate 3½ to 4½ pints of this product per acre after Potato plants have emerged from the soil. Use lower rate on Coarse textured soils. Apply as a direct spray to the soil. Do not apply within 30 days of harvest.

OR

Irrigation: Meter 3½ pints of this product per acre into the irrigation water after clean cultivation. Do not apply within 30 days of harvest.

TANK MIXTURES WITH THIS PRODUCT FOR POTATOES IN WESTERN REGION.

REFER TO *"TANK MIXTURE"* SECTION FOR USE DIRECTIONS.

PRODUCTS: This Product/Matrix

SAFFLOWER: Apply and incorporate 3½ pints of this product per acre just before planting.

SUGAR BEETS: Post-Emergence (After First True Leaves Have Formed).

Incorporation: Apply 3½ pints of this product per acre after thinning and clean cultivation, and incorporate to a depth of 2 to 3 inches.

OR

Irrigation Water: Meter 2¼ to 3½ pints of this product per acre into the first irrigation applied after the last cultivation for the season. Two applications of 2¼ pints each should be made when Beets are to be carried in the ground longer than the normal growing season.

OR

Sub-Surface Injection: Apply 3½ pints of this product per broadcast acre or in band treatment (using 2 shanks per row 5½ inches apart, centered on the drill row), use 1¾ pints of this product per acre. Prior to application, a clean cultivation must be made for all existing weed growth to be destroyed. See *"DIRECTIONS FOR USE"*.

*Alfalfa is sensitive to soil residues of atrazine. Do not use this product on Alfalfa if atrazine was applied within the previous 12 months.

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TANK MIXTURES:

Tank Mixtures with This Product for Sugar beets in Western Region. Refer to *"TANK MIXTURE"* Section for Use Directions.	
Products	**Comments**
This Product/Treflan E.C.	CA Only

TOMATOES: Lay-By Application
(Northern California Counties Only, i.e., Butte, Colusa, Contra, Fresno, Glenn, Madera, Merced, Sacramento, San Joaquin, Solano, Stanislaus, Sutter, Yolo and Yuba)
For use on Tomatoes at least 3 to 4 inches tall; on Clay and Clay loam soils only. **DO NOT USE ON SANDY SOILS.**
Apply this product as a spray to the soil surface at a rate of 3½ pints per acre. Incorporate immediately. For band applications, reduce rates proportionately. **DO NOT APPLY WITHIN 2 INCHES OF THE CROP ROW.** Do not use where Grain will be planted within 90 days. Do not irrigate for at least 5 days after application. Do not apply within 21 days of harvest.
WALNUTS: After clean cultivation or prior to weed emergence on well-established trees, meter 3½ pints of this product per acre into the irrigation water during the entire irrigation period.

TANK MIX COMBINATIONS
For broader spectrum weed control and increased control of certain Broadleaf weeds, this product may be tank mixed with the following herbicides. Consult product labels and crop use directions for exact rates and application directions.

THIS PRODUCT/TREFLAN E.C. HERBICIDE TANK MIX
For Weed Control in Beans (Dry and Green)—All Regions, Sugar Beets—CA Only and Sunflowers—Northern Region (MN, ND, SD Only)
A tank mix combination of this product plus Treflan E.C. will give a broader spectrum of weed control than either product used separately.

DIRECTIONS FOR USE
Precaution: Read both this product and Treflan E.C. labels carefully before using. Observe all precautions and limitations on labeling of both products.
Mixing: Add the recommended rates of both this product and Treflan E.C. to the spray tank during filling and mix thoroughly. Apply in 10 to 40 gallons of water per acre.

Additional Weeds Controlled by the Combination of This Product and Treflan E.C.		
Annual Grasses	**Annual Broadleaves**	
Bromegrass Cheat Springletop	Carpetweed Kochia Knotweed Lambsquarters	Pigweeds (Spiny) Puncturevine Russian thistle Stinging nettle

RECOMMENDATIONS
BEANS, DRY OR GREEN: The combination of this product and Treflan E.C. should not be used on Adzuki beans, Cowpeas (Black-eyed beans, Black-eyed peas), Garbanzo beans, Lima beans, Mung beans, Soybeans and other flat-podded Beans except Romano.
Make application before planting, using the rates listed in the following table.

Application Rates per Broadcast Acre			
		Treflan E.C.	
This Product	**Soil Type**	**Organic Matter Content**	**Rate**
2½ to 3½ pints*	Coarse (Sand)	0 to 2%	1 pint
	Coarse (Sand)	2 to 5%	1 to 1½ pints
	Medium (Loam)	0 to 5%	1½ pints
	Fine (Clay)	0 to 5%	1½ pints
	All Soil Types	5.1 to 10%	1½ pints
*Use the higher rate for Nutsedge control.			

PLANTING INSTRUCTIONS
DRY BEANS—Plant within 48 hours after incorporation. In the Lighter soils under sprinkler irrigation, when it is necessary to irrigate Beans after planting and before emergence, sufficient water should be applied to wet the soil well below the depth of planted seed.
GREEN BEANS—Plant soon after incorporation to provide the maximum period of weed control.
SUGAR BEETS (CA)—Apply as a broadcast spray over-the-top when plants are 2 to 6 inches tall, using the following rates.

Application Rates per Broadcast Acre		
	Treflan E.C.	
This Product	**Soil Type**	**Rate**
3½ pints*	Coarse (Sand)	1 pint
	Medium (Loam)	1¼ to 1½ pints
	Fine (Clay)	1½ pints

Exposed Beet roots should be covered with soil before application to reduce possibility of girdling. Set incorporation machinery to throw treated soil toward the plants in the row. Care should be taken that incorporation machinery does not damage the Sugar beet taproot.
SUNFLOWERS (CO, KS, MN, ND, NE, SD)—Apply and incorporate just before planting, using the rates listed in the following table.

Application Rates per Broadcast Acre				
		Treflan E.C.		
This Product	**Soil Type**	**Organic Matter Content**	**MN, Eastern Dakotas**	**CO, KS, NE, Western Dakotas**
2¼ to 2½ pints	Coarse (Sand)	0 to 2%	1 pint	1 pint
	Coarse (Sand)	2 to 5%	1½ to 2 pints	1½ to 2 pints
	Medium (Loam)	0 to 5%	1½ pints	1¼ to 1½ pints
	Fine (Clay)	0 to 5%	2 pints	1½ pints
	All Soil Types	5.1 to 10%	2 pints	2 pints

THIS PRODUCT AND METRIBUZIN HERBICIDE TANK MIX (Sprinkler Application Only)
For Control of Weeds in Irish Potatoes—Pacific Northwest and Northern Regions
A tank mix combination of this product and Metribuzin (Sencor® or Lexone®) can be applied to Irish potatoes to provide a broader spectrum of weed control than either product used separately.
Before using this product and Metribuzin (Sencor, Lexone) as a tank mix, read both this product and Metribuzin (Sencor, Lexone) labels carefully. Observe all precautions and limitations on labeling of both products.

Additional Weeds Controlled by the Combination of This Product and Metribuzin		
Annual Grasses	**Annual Broadleaf Weeds**	
Panicum, Fall Panicum, Texas Witchgrass	Cocklebur Cutleaf nightshade Jimsonweed Lambsquarters, Common Hairy nightshade	Pennsylvania Smartweed Prickly Sida Ragweed, Common Sicklepod Wild mustard

DIRECTIONS FOR USE
Sprinkler Application: Apply through irrigation sprinkler system after planting as a pre-emergence application or as an early post-emergence application up to 6-inch tall Potatoes. Use the appropriate rate of this product and Metribuzin (Sencor, Lexone) as indicated in the following table.
Pre-mix the desired rate of Metribuzin (Sencor, Lexone) in the holding tank in 4 to 5 parts water to 1 part chemical. Add this product last. Meter the chemical-water mixture into the sprinkler system at a rate proportionate to the acreage to be covered. For center pivot systems, apply ½ to ¾ inch of water per acre. For solid set, wheel lines or hand lines, moisten the soil surface lightly first, then apply the herbicide mixture in ½ to 1 inch of water per acre. For best results, the soil should be wetted to a depth of 3 to 4 inches.
APPLICATION RATES:
Use the appropriate rates of this product and Metribuzin (Sencor, Lexone) as indicated in the following table:

Application Rates per Broadcast Acre		
	Pints of This Product	**Pints of Active Ingredient of Metribuzin**
COARSE SOILS Sand, Sandy loam, Loamy sand	3½	¼
FINE SOILS Loam, Silt loam, Sandy clay, Clay loam	4½	¼ to ½

Use this product plus Metribuzin (Sencor, Lexone) post-emergence only on russetted or white-skinned Potato varieties that are not early maturing. In addition to early maturing, smooth-skinned white- or red-skinned varieties of Potatoes, certain varieties of Potatoes are sensitive to pre- or post-emergence applications of Sencor or Lexone herbicides. Please refer to Sencor and/or Lexone labels for more information/precautions.

THIS PRODUCT/MATRIX HERBICIDE TANK MIX
For Weed Control in Irish Potatoes—All Regions
A tank mix combination of this product and Matrix herbicide can be applied pre-emergence or post-emergence to Irish potatoes. The tank mix combination can provide broader spectrum weed control than either product used alone. Before using this product and Matrix as a tank mix, read both this product and Matrix labels carefully. Observe all precautions and limitations noted on the labels of both products.

Additional Weeds Controlled by the Tank Mixture of This Product and Matrix	
Kochia	*Kochia scoparia*
Ladysthumb	*Polygonum persicaria*
Mustard, Wild	*Sinapis arvensis*
Smartweed, Pennsylvania	*Polygonum pensylvanicum*
Sunflower, Common	*Helianthus annus*

DIRECTIONS:

MIXING: Add the recommended rates of this product and Matrix to the spray tank while the agitator is running. Add this product last. Refer to the Matrix label for surfactant recommendations.

DRAG-OFF (PRE-EMERGENCE) APPLICATION: Apply and incorporate this product and Matrix tank mix combination at the rates specified in the following tale. The field must be "dragged off", then this product and Matrix tank mix combination applied and incorporated. Refer to the label on this product for specific regional incorporation directions.

Application Rates per Broadcast Acre		
Regions	**This Product**	**Matrix**
Northern, Pacific Northwest, Southwestern	3½ to 7 pints	1 to 1½ oz.
Southeastern, Western	3½ pints	1 to 1½ oz.

SPRINKLER APPLICATION: Apply this product and Matrix tank mix combination through sprinkler irrigation after planting as a pre-emergence application or as an early post-emergence application at the rates specified in the following table. Refer to the label on this product for specific sprinkler irrigation directions.

Application Rates per Broadcast Acre		
Regions	**This Product**	**Matrix**
Northern, Southeastern, Southwestern, Western	3½ pints	1 to 1½ oz.
Pacific Northwest	3½ to 7 pints	1 to 1½ oz.

THIS PRODUCT/DUAL 8E HERBICIDE TANK MIX

For Weed Control in Dry Beans in the Northern and Pacific Northwest Regions

A tank mix combination of this product plus Dual 8E will give better weed control than either product used separately.

DIRECTIONS FOR USE

Mixing: Add the recommended rates of both this product and Dual 8E to the spray tank during filling and mix thoroughly. Apply in 10 to 40 gallons of water per acre.

Soil Incorporation: Immediately after spraying, this product and Dual 8E combination must be incorporated thoroughly into the top 2 to 3 inches of soil.

Application Rates: Use the appropriate rates of this product and Dual 8E as indicated in the following table:

Application Rates per Broadcast Acre			
		DUAL 8E	
Soil Type	**This Product**	**Less than 3% Organic Matter**	**3% or Greater Organic Matter**
Coarse (Sand)	3½ to 4½ pints	1¼ pints	1½ pints
Medium (Loam)	3½ to 4½ pints	1½ pints	2 pints
Fine (Clay)	3½ to 4½ pints	2 pints	2 to 2½ pints

Planting: Seeding should be done as soon as possible after treatment to obtain a maximum period of weed control.

THIS PRODUCT/SONALAN® E.C. HERBICIDE TANK MIX

For Weed Control in Dry Beans—All Regions

A tank mix combination of this product plus Sonalan E.C. will give a broader spectrum of weed control than either product used separately.

Note: Do not graze or feed forage from treated fields to livestock.

DIRECTIONS FOR USE

Mixing: Add the recommended rates of both this product and Sonalan E.C. to the spray tank during filling and mix thoroughly. Apply in 10 to 40 gallons of water per acre.

Soil Incorporation: The combination of this product and Sonalan E.C. must be incorporated thoroughly in the top 2 to 3 inches of soil immediately after spraying.

Application Rates: Use the appropriate rates of this product and Sonalan E.C. as indicated in the following table:

Application Rates per Broadcast Acre			
		Amount of Sonalan E.C.	
Soil Type	**This Product (Pints)**	**General Weed Control (Pints)**	**Groundcherry* and Nightshade* (Pints)**
Coarse	2¼ to 4½	1¼ to 2	3 to 3½
Medium		1¾ to 2½	3½ to 4
Fine		2¼ to 3	4 to 4¼

*Two incorporation passes are required for Groundcherry or Nightshade control.

This product/Sonalan E.C. tank mix more effectively controls the weeds listed for this product alone plus these additional weeds: Groundcherry (Lanceleaf and Wrights) and Wild buckwheat.

Planting: Seeding should be done as soon as possible after treatment to obtain a maximum period of weed control.

THIS PRODUCT/LASSO 4-E HERBICIDE TANK MIX

For Weed Control in Dry Beans in the Northern Region

A tank mix combination of this product plus Lasso 4-E will give a broader spectrum of weed control that either product used separately. In addition to the weeds listed on the label for this product alone, the following annual Broadleaf weeds can be controlled with a tank mix of this product/Lasso 4-E:

Annual Broadleaf Weeds	
Common ragweed	*Ambrosia artemisiifolia*
Pennsylvania smartweed	*Polygonum pensylvanicum*

DIRECTIONS FOR USE

Mixing: Add the recommended rates of both this product and Lasso 4-E to the spray tank during filling and mix thoroughly. Apply in 10 to 140 gallons of water per acre.

Soil Incorporation: Immediately after spraying, this product and Lasso 4-E combination must be incorporated thoroughly into the top 2 to 3 inches of soil.

Application Rates: Use 2 to 3 pints of this product plus 4 to 6 pints of Lasso 4-E. Use only the 4-pint rate of Lasso 4-E in Michigan. Use the higher rates of herbicides for heavy weed infestations and hard-to-control weeds.

Planting: Seeding should be done as soon as possible after treatment to obtain a maximum period of weed control.

THIS PRODUCT/RO-NEET 6-E HERBICIDE TANK MIX

For Pre-Plant Use in Sugar Beets—Northern Region (MI, MN and the Red River Valley Area of ND Only)

DIRECTIONS FOR USE

The combination of this product and RO-NEET 6-E is a selective tank mix which controls weeds by interfering with normal germination and seedling development. This tank mixture can be applied only once per growing season. The combination of this product and RO-NEET 6-E may cause crop injury on very light Sandy soil and when used under adverse environmental conditions that weaken crop seedlings. A tank mixture of this product and RO-NEET 6-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.

Additional Weeds Controlled by the Tank Mixture of This Product and RO-NEET 6-E	
Green foxtail	*Setaria viridis*
Lambsquarters, Common*	*Chenopodium album*
Pigweed, Redroot*	*Amaranthus retroflexus*
Purple nutsedge	*Cyperus rotundus*
Wild oats	*Avena fatua*
Yellow foxtail	*Setaria lutescens*
Yellow nutsedge	*Cyperus esculentus*
*Partial control only (suppression)	

APPLICATION DIRECTIONS

During filling, pour the recommended rates of both this product and RO-NEET 6-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. The soil should be well-worked prior to application and dry enough to permit thorough mixing with incorporation equipment.

Soil Incorporation: The tank mixture of this product and RO-NEET 5-E must be immediately incorporated (mixed) into the top 2 to 3 inches of soil after spraying to prevent loss of herbicides.

Spring Pre-Plant Incorporated Application Rates** (Pints/Acre***)			
Soil Texture	**Organic Matter %**	**This Product**	**RO-NEET 6-E**
Coarse	3.0 to 4.5	1	3
	>4.5	1 to 1¼	3

(Continued)

(Continued)
Spring Pre-Plant Incorporated Application Rates (Pints/Acre***)**

Soil Texture	Organic Matter %	This Product	RO-NEET 6-E
Medium	3.0 to 4.5 >4.5	1 to 1¼ 1 to 1¾	3 to 4 3 to 4
Fine	3.0 to 4.5 >4.5	1 to 1½ 1 to 2	3 to 4 3 to 4

*DO NOT USE THE TANK MIX IN THE SPRING IN MI OR OH.
**Make only 1 application per growing season. Do not apply the combination of this product and RO-NEET 6-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 this product combined regardless of the ratio.

Fall Pre-Plant Incorporated Application Rates* (Pints/Acre)**

Soil Texture	Organic Matter %	This Product	RO-NEET 6-E
Coarse	3.0 to 4.5 >4.5	1 1 to 1¼	4 4 to 4⅓
Medium	3.0 to 4.5 >4.5	1 to 1¼ 1 to 1½	4 to 4½ 4 to 4½
Fine	3.0 to 4.5 >4.5	1 to 1½ 1 to 2	3 to 4½ 4½

*Make only 1 application per growing season. Do not apply the combination of this product and RO-NEET 6-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 this product combined regardless of the ratio.

THIS PRODUCT/PROWL 4-E HERBICIDE TANK MIX

For Weed Control In Dry Beans—All Regions

A tank mix combination of this product and Prowl 4-E will give a broader spectrum of weed control than either product used separately. In addition to the weeds listed on the label for this product alone, the following annual Broadleaf weeds can be controlled with a tank mix of this product and Prowl 4-E:

Annual Broadleaf Weeds	
Annual spurge	*Euphorbia* spp.
Kochia	*Kochia scoparia*

DIRECTIONS FOR USE

Apply this product/Prowl 4-E tank mix as a pre-plant soil-incorporated treatment.

Mixing: Add the recommended rates of both this product and Prowl 4-E to the spray tank during filling and mix thoroughly. Apply in 10 to 40 gallons of water per acre.

Soil Incorporation: Immediately after spraying, the combination of this product and Prowl 4-E must be incorporated thoroughly into the top 2 to 3 inches of soil.

For semi-arid areas of Easten WA, Eastern OR and ID only: When application and incorporation are done in separate operations, this product and Prowl 4-E must be incorporated the same day as applied. Application must be made on a dry soil surface (at least ½ inch deep), and free from dew and incidental moisture.

Application Rates: Use the appropriate rates of this product and Prowl 4-E as indicated in the following tables:

Application Rates per Broadcast Acre*
Western, Southwestern and Southeastern Regions

Soil Type	This Product	Prowl 4-E
Coarse (Sand)	2¾ to 4½ pints	1 to 1½ pints
Medium (Loam)	3 to 4½ pints	1½ to 2 pints
Fine (Clay)	3 to 4½ pints	1½ to 3 pints

*Use the higher recommended rate of this product where Black nightshade, Hairy nightshade or Nutsedge are present.

Application Rates per Broadcast Acre*
Northern Region

Soil Type	Organic Matter	Less than 3% Organic Matter	3% or Greater Organic Matter
Coarse Sand)	3% or less	2½ to 4 pints	1 to 1½ pints
	more than 3%	2½ to 4 pints	1½ pints
Medium (Loam)	3% or less	3 to 4½ pints	1½ to 2 pints
	more than 3%	3 to 4½ pints	1½ to 2 pints
Fine (Clay)	3% or less	3 to 4½ pints	1½ to 2 pints
	more than 3%	3 to 4½ pints	2 to 2½ pints

*Use the higher recommended rate of this product where Black nightshade, Hairy nightshade or Nutsedge are present.

Application Rates per Broadcast Acre*
Pacific Northwest Region

Soil Type	Organic Matter	Less than 3% Organic Matter	3% or Greater Organic Matter
Coarse (Sand)	3% or less	3½ to 4½ pints	1 to 2 pints
	more than 3%	3½ to 4½ pints	2 pints
Medium (Loam)	3% or less	3½ to 4½ pints	1½ to 2½ pints
	more than 3%	3½ to 4½ pints	2½ to 3 pints
Fine (Clay)	3% or less	3½ to 4½ pints	2 to 3 pints
	more than 3%	3½ to 4½ pints	3 pints

*Use the higher recommended rate of this product where Black nightshade, Hairy nightshade or Nutsedge are present.

APPENDIX I

This Product with Fluid Fertilizers

The following procedure is suggested for determining whether this product may be combined with a specific fluid fertilizer for spray tank application.

Material Required:

1. This Product
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 1-quart, wide-mouth jars with lid or stopper.
5. Measuring spoons (a 25 ml pipette or graduated cylinder provides more accurate measurement).
   (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 a 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 10 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 non-dispersible oil, sludge or clumps of solids form in the mixtures, the combination should not be used.

Note: For some combinations, pre-mixing wettable powders in a little water in a pail before adding them to the spray tank will improve the compatibility of the final mixtures with this product. This technique can be tested in the small-scale jar test by pre-mixing the wettable powder in one-eighth (⅛) cup of water prior to addition to the pint of fluid fertilizer.

Rate Table for This Product and Adjuvant with the Fluid Fertilizer**

Gallons of Fluid Fertilizer to be Applied per Acre	ml or Teaspoon of This Product to be Added to 1 Pint of Fertilizer	
	This Product	
	ml	Tsp.
10	7	1⅓
15	4	¾
20	3	⅔
25	3	⅔
30	2	½
40	2	½

*Based on field rate of 1 pound of active ingredient per acre in the fertilizer volumes indicated. Increase volume proportionately to correspond with intended field rate in terms of pounds of active ingredient per acre (e.g., for field rate of 4 pounds actual product in 40 gallons of fertilizer per acre, add 8 ml or 2 teaspoons of this product to each jar for compatibility testing purposes).
**Two (2) ml or one-half (½) 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

This Product Impregnation on Dry Bulk Fertilizers

Precautions: This product alone or in combination with other herbicides must not be impregnated on ammonium nitrate, sodium nitrate or potassium nitrate. Such mixtures may cause explosion or fire.

All individual state regulations relating to bulk dry fertilizer blending, registration, labeling and application are the responsibility of the individual and/or company selling the fertilizer and this product mixture.

This product may be impregnated on many dry bulk fertilizers and applied and incorporated in the soil before planting for the control of Grass and Broadleaf weeds.

All supplementary literature instructions and label recommendations for this product regarding rates per acre, soil incorporation, application, precautions, general use precautions and other directions must be followed.

Test results have shown that this product on bulk dry fertilizers gives weed control equal to this product applied as a spray in water or liquid fertilizer. However, uniform impregnation of this product on 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 ingredients impregnated with this product at the recommended rate must be applied per acre.

For impregnation of this product on dry fertilizers, use a closed rotary-drum mixer or similar type of closed blender equipped with suitable spray equipment. The spray nozzle (or nozzles) should be positioned inside of the mixer to provide uniform spray coverage of the tumbling fertilizer.

This product 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 this product provides a satisfactory dry mixture.

If the absorptive capacity is inadequate, use of a highly absorptive powder is required to provide a dry, free-flowing mixture.

Micro-Cel™ E (Manville Sales Corp.) is the recommended absorbent powder. It should be added separately and uniformly to the fertilizer mixture of this product in a quantity that is sufficient to provide a suitably free-flowing mixture. Generally less than 2% by weight of Micro-Cel E is required.

The amount of this product actually required in the manufacture of individual fertilizer mixtures should be determined carefully for each production operation. This is necessary to ensure that the amount of this product actually contained in the mixture applied to the soil represents the correct rate of use.

Bulk fertilizer impregnated with this product should be applied immediately, **NOT STORED.** All bulk containers must be tightly covered while the product is being transported and applied to reduce changes of this product lost via volatilization.

Physical Data of This Product

Specific Gravity (20/20°C): 0.954 (typical)
Pounds Per Gallon (20°C): 7.94 (typical)
Flashpoint: 190°F (Tag. Closed Cup)
Viscosity: Sprayable down to -20°F.

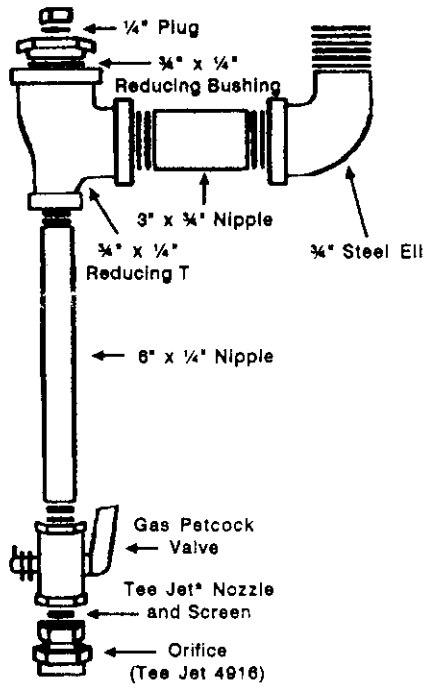
Approved Dry Fertilizer Ingredients			
	N	P	K
Ammonium Sulfate	21	0	0
Diammonium Phosphate	18	46	0
Potassium Chloride	0	0	60
Potassium Sulfate	0	0	52
Super-phosphate (single)	0	20	0
Super-phosphate (triple)	0	46	0
Urea	45	0	0
Ammonium Phosphate-sulfate	16	20	0
11-48-0	11	48	0

Note: K-Mag has been shown to be compatible with this product and is approved for use.

Rate Chart for the Impregnation of Dry Bulk Fertilizers with This Product			
Fertilizer Rate per Acre	This Product Rate per Acre		
	3½ Pints per Acre	4½ Pints per Acre	7 Pints per Acre
200 lbs.	17½ qts./ton	22¼ qts./ton	35 qts./ton
250 lbs.	14 qts./ton	18 qts./ton	28 qts./ton
300 lbs.	11⅔ qts./ton	15 qts./ton	23⅓ qts./ton
350 lbs.	10 qts./ton	12⅞ qts./ton	20 qts./ton
400 lbs.	8¾ qts./ton	11¼ qts./ton	17½ qts./ton
450 lbs.	7¾ qts./ton	10 qts./ton	15⅓ qts./ton
500 lbs.	7 qts./ton	9 qts./ton	14 qts./ton
550 lbs.	6⅓ qts./ton	8⅛ qts./ton	12⅔ qts./ton
600 lbs.	5⅞ qts./ton	7½ qts./ton	11¾ qts./ton
650 lbs.	5⅜ qts./ton	7 qts./ton	10⅚ qts./ton
700 lbs.	5 qts./ton	6⅜ qts./ton	10 qts./ton

Flow Rates for This Product Using Various Tee Jet* Orifices (4916)**				
Tee Jet Orifice	Ounces per Minute	cc per Minute	Gallons per Hour	Pounds per Hour
.012	0.215	6.37	0.101	0.707
.014	0.286	8.45	0.134	0.938
.015	0.324	9.59	0.152	1.064
.016	0.375	11.10	0.179	1.232
.018	0.523	15.46	0.245	1.715
.020	0.610	18.04	0.286	2.002
.022	0.796	23.53	0.373	2.611
.024	0.896	26.50	0.420	2.940
.025	0.996	29.46	0.467	3.269
.026	1.111	32.87	0.521	3.647
.027	1.269	37.54	0.595	4.165
.029	1.284	37.98	0.602	4.214
.030	1.502	44.42	0.704	4.928
.032	1.641	48.52	0.769	5.383
.034	1.871	55.33	0.877	6.139
.035	2.091	61.83	0.980	6.860
.037	2.223	65.74	1.042	7.294
.039	2.639	75.08	1.190	8.330
.040	2.603	76.97	1.220	8.540
.041	2.807	83.03	1.316	9.212
.043	2.882	85.24	1.351	9.457
.045	3.334	98.61	1.563	10.941
.046	3.441	101.77	1.613	11.291
.047	3.678	108.77	1.724	12.068
.048	3.951	116.84	1.852	12.965
.051	4.102	121.32	1.923	13.461
.052	4.437	131.42	2.083	14.581
.054	4.849	143.41	2.273	15.911
.055	5.079	150.22	2.381	16.667
.057	5.333	157.73	2.500	17.500
.059	5.926	175.27	2.788	19.446
.063	6.272	185.49	2.940	20.580
.067	7.110	210.28	3.333	23.331
.070	8.205	242.65	3.846	26.922

*Registered trademark of Spraying Sytems Co.
**Figures were taken at 70°F and are approximate. Be sure occuasionally to masure flow in the field to make certain you have the correct orifice because rates vary with temperature. (Flow on an .037 orifice increases from 2.2 ounces at 70°F to 2.4 ounces at 92°F). Use a 300-mesh screen on orifice sizes below 0.14 and a 200-mesh screen on all others.



STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep container tightly closed when not in use. Do not store near seeds, fertilizer or foodstuffs. Can be stored at temperatures as low as -50°F.

PESTICIDE DISPOSAL: Wastes 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 THIS PRODUCT. The contents of this container cannot be removed completely by cleaning Refilling with material other than this product 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!

WARRANTY —CONDITION OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believe reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

In no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Manufacturer and is accepted as such by the Buyer.