





# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

24 1004

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Nik Ramswick UNIVERSAL COOPERATIVES INC. P. O. Box 460 - 7801 Metro Parkway Minneapolis, MN 55440

Subject:

Label Amendment Submission of 07/19/93 in Response to PR Notice 93-7

EPA Reg. No. 1386-43

2.4-D AMINE WEED KILLER

# Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

#### WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

## WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling AND
- WITHIN one year from date of this acceptance.

Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,

Jim Tompkins, Deputy Chief Registration Support Branch Registration Division (7505W)

Attachment

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division

Nik Ramswick UNIVERSAL COOPERATIVES INC P.O. BOX 460 7801 METRO PARKWAY MINNEAPOLIS MN 55440

Comment for: EPA Reg Nr.1386-43 2,4-D AMINE WEED KILLER

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

EPA has determined that a "closed" mechanical transfer system is not required for 2,4-D products. In the personal protective equipment section of your amended labeling, you may revise the statement to read as follows:

CONTAINERS 5 GALLONS OR MORE: "A mechanical system (probe and pump) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal. If the mechanical system is used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4)], the handler PPE requirements may be reduced or modified as specified in the WPS."

Add the following sentence to the paragraph on laundering PPE: "After each day of use, clothing or PPE must not be reused until it has been cleaned." Please refer to the special 2,4-D guidance issued by EPA on September 13, 1993 (page 4) for placement of the sentence.

Please conform with the special 2,4-D guidance issued by EPA on September 13, 1993 for adding WPS statements.

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

Add the following User Safety Recommendation to the label in the location shown in Section A on Part 1 of the Product Worksheet in Supplement Three-A to PR Notice 93-7: "Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing."

UNIVERSAL COOPERATIVES INC EPA Reg. Number: 1386-43 2,4-D AMINE WEED KILLER Application date: 07/19/93 Original Submission

Add the following User Safety Recommendation to the label in the location shown in Section A on Part I of the Product Worksheet in Supplement Three-A to PR Notice 93-7: "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."

The glove requirement for "applicators and other handlers" in the "Personal Protective Equipment" section on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Waterproof gloves". The exact location is shown in Sections A and B on Part 1 of the Product Worksheet in Supplment Three-A to PR Notice 93-7.

Remove the statement "Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application." from its current position within the Agricultural Use Box and place it above the Agricultural Use Box.

The glove requirement for early entry in the Agricultural Use Requirements box on your proposed labeling is missing or incorrect. Remove the incorrect requirement (if any) and add "Waterproof gloves". The exact location is shown in Sections F and G on Part 2 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

The Non-Agricultural Use Requirements section must either be placed in a box or printed on the label in a contrasting color from the surrounding text.

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

# 2,4-D Amine Weed Killer

# KEEP OUT OF REACH OF CHILDREN CAUTION

See Side Panel For Additional Precautionary Statements

#### ACTIVE INGREDIENT:

NOTIFE INCIDENT	
Dimethylamine salt of 2,4-dichlorophenoxyacetic acid*	47.2° a
INERT INGREDIENTS	52.8° o
Total	100.0°°
*Equivalent to 39.2% 2,4-dichlorophenoxyacetic acid. Contains 3.8 pounds	
2.4-D Acid equivalent per gallon, "Isomer specific by AOAC Method No. 6.D01-5.	

Net Contents: 21/2 Gallons

EPA Reg. No. 1386-43 EPA Est. No. 1386-OH-1

UNIVERSAL COOPERATIVES, INC., MINNEAPOLIS, MN 55440

ACCEPTED
with COMMENTS
In EPA Letter Dated



Under the Federal Insecticide, Functione, and Rodenticide Act as amended, for the penticide registers under EPA Reg. No.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin, eyes, and clothing.

# PERSONAL PROTECTIVE EQUIPMENT

# Applicators and Other Handlers Must Wear:

\*Long-sleeved shirt and long pants

\*Chemical-resistant gloves

\*Shoes plus socks

\*Protective eyewear

\*Chemical-resistant apron when cleaning equipment, mixing, or loading

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

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

User Safety Recommendations: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

#### STATEMENT OF PRACTICAL TREATMENT

STALEMENT UP "FINAL FURL THEMENT AND MENT IN STALEMENT I Swellowed: Contact a physician immediately. Give victim one or two planes of water and induce vorniting by low ack of threat with a linger. Repeat until venit fluid is clear. On not induce verniting or give anything by mouth to an uncorractor. If on State: Remove contaminated clothing and wests affected areas with soop and water. On not reuse contaminated relatives in particular particular statements and under the relation particular. If he Eyes: Flush with water for at least 15 industes. Cell a physician immediately. If Inhelest: Remove victim to fresh alr. Apply respiration II indicated.

For Medical Emergency Information cell 1-809-229-5515, enterelate 138.

#### **ENVIRONMENTAL HAZARDS**

ENVIRONMENTAL HAZARDS

This product is tanic to aquatic invariations. D-M or natelf may advantly affect aquatic invariations. D-M or natelf may advantly affect aquatic invariations and nontifor terrestrial uses, do not apply directly to vator occupt as specified on this label. Do not contaminate water when equipment washenders. Do not contaminate water introduct for integration or demands purposes (except as specifically or of on this label) expectedly in areas where grapes, collect, collect, terrestors, or other tenceptists proposes (except as specifically or dischase in areas where water will be used to everhead (aprintler) intiges succeptible crops expectably grapes, terrestorate contamination towning plannary harticities such as 2,4-0 have been associated with mit and dispensi sheet. Cardian sheads he contained when handling 2,4-0 proticities at such site to prevent contamination water supplies. Use of closed systems for mixing or transferring this periodic will reduce the protective or an impervious pad to certain spills will help prevent groundwater contamination.

#### **DIRECTIONS FOR USE**

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

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide requlation.

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## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, handlers greenhouses, and 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. requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

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

- \*Coveralls
- \*Chemical-resistant gloves
- \*Shoes plus socks
- \*Protective eyewear

#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries. greenhouses.

Do not apply this product in such a manner as to directly or through drift oppose workers or other persons. The area being breated must be vecaled by interested persons.

Do not order treated areas without protective clothing until sprays have dried. Reconse contain states may require more restrictive recently released for vertices crops trained with this product, consult your State Department of Agriculture for further information. Written or eral warrings must be given to weekpts who are dispected to be in a lessed area or in an area about to be treated with this product. Read the above reentry estement and the processionary statements to workers. When eral warrings are given, warrings shall be given in a larguage customary undersood by workers. Our warrings must be given if there is reason to believe that written surrings cannot be understood by vortices. Our warrings must be full point if their is reason to believe that writing anything warrings must be given if there is reason to believe that working as well as the procession of the procession of the person to the procession of the proces



# DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

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Suprimital days simple, expected applications and/or open of the higher sub-expectation on this product that does notice ideal considers for application.

This product should be comed us a super district spray, or may be retained to this facility describes bettless (see belong, to relevable speaker of controlled to the product of controlled spray, costs as anothering, one, and/orth, hone and commental test, and for expenditure of controlled spray, costs as anothering, because of controlled spray or the controlled spray of controlled spray or the controlled spray or district the controlled spray or the controlled spray or district the controlled spray or the controlled spray or district the spray or described plants. But the controlled spray or district the spray or district the controlled spray or district the spray or district the controlled spray or district the spray or district the controlled spray

Aerial, ground rig, and hand aprayer application should be used only when there is no danger of drift to susceptible crops. Many states have regulations concarring arnal application of 2,4-D formulations. Consolt forcil regulatory auditorities before making such applications. Users should note that herbicide bedore making such applications. Users should note that herbicide treatment of subtic water requires a permit from appropriate state agencies in most states. Your State Conservation Department or Game and Fish Commission will ad you in securing a permit for your state.

PREPARATION OF SPRIM AND APPLICATION: Recommended quantities of this product should be added to water in the spray tank at time of application. Apitate or six to assure a good mixture and continues some agitation during application. The quantity of spray solution to make up will depend upon the equivalent of the used. When using a low volunte sprayer, the proper decage should be applied in at least 15 gallons of water per acre. Always use the proper amount of 2,4-D Amine Ward Kilber per unit area requestions of the quantity of water.

De not apply with hollow come-type insecticide or other in acides that produce time spray droplets. Drift from acrial or ground application may be reduced by: (0) applying as near to the tanget as possible in order to elected light; (4) by increasing the volunte of st ray mix per a. . (3) by discussing the promise prayer applying when wind is literally linear succeptible apply and may be produced to course spray pottern; and (5) by not applying when wind is literally from non-metablic parts (mod, notice, there), and it is advasable MOT to use the same appropend for applying other materials to plants or cross.

Do not use the same appropend for applying other materials to plants or cross.

Do not use the same appropend for applying other materials to plants or cross.

Do not use the same appropend for applying other materials to plants or cross.

JAR TEST Amount of 2,4-D Amine to add to one pirt of Liquid Nitrogen Fertilizer.

RateRcre   Volume of 25 Cpt Mere   Volume of 100   1/2 Pint   1/4 Teaspoon   1/16 Teaspoon	
	Gal Marc
1 Piet 1/2 Tananan 1/8 Tana	<b>40</b> 8
2 Pints 1 Teaspoon 1/4 Teasp	
4 Piets 2 Tempeers 1/2 Teass	POOR

The amount of harbicide to be tested, as indicated in the above table, is based on either 25 gattors or 100 gallons of finished apray per acre. When using lower or higher seray volumes make appropriate changes in the lapradients of the compatibility test.

In a quert jury add the appropriate amount of 2,4-D Amine, as determined from the above chart, to one pint of figurial altrogen landlates. Cover the jury and shake it well. Observe the minister after 5 minutes and again after 30 minutes.

one plot of liquid attragen arrivals. Level may per una annual again after 30 intensies.

If the michine does not bell up or form flakes, sholps, gots, oily films or layers or other precipitates. Then the tested combination is competible. If precipitates form but the mustare can be reasopared with aplitation, the combination may be used provided good aplitation is maintained throughout the mining and application operations.

If incompetibility occurs, the use of a suitable competibility agent may solve the problem. Plann the above competibility test, but add 144 testings of a competibility agent prior to adding the 2,4-0 Amine. (The 144 temporar is equivalent to 2 pints per 100 gathers of liquid nivergen furtilizer.) If the mixture is safe incompetible, OO NOT USE.

TANK MIYING SEQUENCE

#### TANK MIXING SEQUENCE

If the 2,4-0 Aminafurillars instance is compatible without the use of a compatibility agent fill the spray tank with half the amount of furillars to be used. Make a pre-mix of 1 port of 2,4-0 Amina and 4 ports water. Add the pre-mix to the spray tank, with agitation, and compute filling the tank with the furillars. Apply instantiating with continue agatation in the spray tank during agentication.

If a compatibility agent must be used, add it to the spray tank prior to adding the 2,4-0 Aminafustor.

pre-ride.
Fellow all applicable recommendations and field application rates on the feritage and competitifity agent tabeling, as well as the 2.4-D Amine labeling.
SHALL GRAMI CROPS (Rhoet, Barley, Rys, Guts); See Lable for recommended use rates.
Spray when weets are small after grains are well littered (causily 4 to 8 inches Lall), but before the boot stage. On not apply before the tibur stage nor from early boot through mile stage. To control large weets that will interface with harvest or to suppress parential weets, preharvest realment can be applied when the grain is in the dough stage. Best results will be obtained when soit moisture is altequate for plant growth and weets are growing well.
Spring Plantad Batic: Apply in sufficient water to give good coverage. Apoly after the fully tifered stage except during the boot to dough stage.
Full Plantad Batic: Apply also full intering but before early boot stage. Some difficult wents may require higher rates of 1 to 1 1/2 pints ger acre for monomum control but crop many may result. On not spray during or invitediably following cold weather.

18715: Do not use on grain interplanted with begames. Do not breade or graze treated grain field within 2 weeks after treatment with 2,4-D. Do not feed treated straw to brestock.

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CUTTING
See table for recommended use rates.

Proplant: This product may be applied prior to planting corn to provide laker burn-down control of susceptible atmost and personal broadlast weeds and certain broadlast cover crops such as those fisted on this label. To central emerged broadlast weed sendings or existing cover crops prior to planting corn, apply 1 to 2 pints per acre 7 to 14 days before planting to not use on light sandy soil, or where soil moisture is final-equate for animal weed growth. Use high rate for control of less susceptible weeds or recommended as alfalla.

reason: Apply to sail anytime after planting but before corn emerges. Do not use on very light

sandy soil.

Emergence: Apply just as corn plants are breaking ground.

Pretemorpence: Sest results are usually obtained when weeds are small and corn is 4 to 18 inches tall. When corn is ever 6 inches tall, use drop nezzies to heep spray oil corn lohage as much as pessible. Do not apply from tasseling to dough stage. If corn is growing rapidly and temperature and said mossiture content is high, use typ and are one rate to neduce possibility of stalk breakage due to temperary britteness caused by 2,40. Hybrid come should be approach only if the cross or line is brown to be tolerant to 2,40 at the recommended design or after experience has shown the particular cross or lines being grown to be tolerant to 2,4-0 breatment.

Proheroset: After the hard dough or denting stage, apply 1 to 2 pints per acre of 2,4-0 Annie by air or ground designment to suppress parential week, decrease wood seed production, and control tall needs such as bindweek, cacitative, dephane, immonweed, represely, surflower, velvetical, and vines that interfere with harvesting. Do not forage or lead corn folder to brestock for 7 days following annihilation.

SORGHUM MALON: See table for recem ded use rates

SORCHUM (MILLO): See table for recommended use rates.

Apply when semplum is 6 to 15 inches high with secondary roots well established. Use drop notzles when crop is over if inches high. Do not apply from flowering to dough stage. Temporary crop injury can be especially under conditions of high soll moliture and high air temporatures. If it is necessary to apply 2,4-0 Armine under these conditions, use no more than 2/3 pint per acre. Hybrids should be sprayed only if the cross or line is known to be telerant to 2,4-0 at the recommended dougle or after experience has shown the particular crosses or lines being grown to be telerant to 2,4-0 treatment.

# FOR USE IN CROP RESIDUE MANAGEMENT SYSTEMS IN SOYBEANS

PUM USE IN UNION PRESIDENCE INTERPRETATION Only)

2.40 Amine Weed Killer may be used for posternorgence control of many succeptible annual and perential bris. Heat weeds. This product may be applied prior to planting seyleans to provide lotter hum-down control of susceptible annual and perential broadlest weeds and certain broadlest owner crops such as those listed on this label. Make only proplant applications to energed weeds prior to planting seyleans grown in reduced titlage production systems. Apply only according to instructions given below:

The name was also titled as a manusce behavior berbiride annivation and stanting of produces.

In regogn supple productions between hydroide application and planting of solution.

On not use any tillage c persons between herbride application and planting of solutions. 
Hissing leatruction: Compatible crop oil concentrates, agricultural surfactants and fluid ferniters approved for use on growing crops may be added to spray mixture to increase the herbicidal effectiveness of 2,4-D Amine Wood Killer on certain woods. Read and follow all directions and processions on this tabel and on the label of each product added to the spray mixture.

Application Precoderes: Apply using air or ground equipment in a spray volume sufficient to provide inform coverage of weeds. Use 2 or more gallons of total spray volume per acre for aerial application and 10 or more gallons per acre for ground equi

#### **APPLICATION TIMING AND USE RATES**

PRODUCT	WHEN TO APPLY  ORGADICAST APPLICATION RATE (Days Prior in Planting Se	
2,40 Amine	1 Pint/Acre 2 Pints/Acre	Not Less Than 15 Days Not Less Than 30 Days

For best weed central results, application should be made when weeds are small, actively growing and free of stress caused by temperature extremes, moisture stress, diseases, or insect damage. The control of individual weed species may be vertable. Consult your local county agent or State Agricultural Extension Specialist or Crop Congulant for advice

Use Precautions and Restrictions:

the precipitions and measurement:

Important Notice: Unacceptable injury to scylesons planted in treated fields may occur. Whether or not scyleson injury occurs and the entent of such injury will depend on weether (temperature and rainfall) from harbicide application until seybean emergence and agreenomic lectors such as the amount of weed vegetation and previous crop residue present at the time of application, figury is more flight under cool rainy confident and where there is less wend vegetation and crop residue present.

Do not use on sandy selfs with less than 1.8% organic matter.

"Do not make more than one application per season regardless of the application rate used. "Do not apply when weather conditions such as atmospheric temperature inversion or when wind direc-

tion thors drift from the treated area to succeptible plants.
"Do not allow fivesteck grazing or harvest hay, forage or fedder from treated fields. Livestock should be

The not allow fiveletick grazing or harvest hay, forage or fedder from treated fields. Livestock should be restricted from feeding/grazing of treated cover crops.
"In treated fields, plant soybusen used as deep as practical, but not less then 1.0 inch deep. Adjust the planted, if necessary, to ensure that planted used is adequately covered.
"Do not apply 2.40 Anime Whole Killer as described unless you are prepared to accept the results of soybuse things, including possible stand loss and/or yield reduction.
"During the growing season following application, do not reptant treated fields with crops other than those leaded for use with 2.40 Anime Weed Killer.

RICE: See table for recommended use rates.

Apply in the fate Waring stage of rice development, at the time of first joint development (first to second grown rivg), usually 6 to 9 weeks after emergence. Do not apply after peakle infliction, after rice inter-nodes exceed 1/2 inch, at early seeding, early penicle, boot, flevering, or early heading growth stages.

Some rice varieties under certain conditions can be injured by 2,4-0. Therefore, before paraying cannot local Extension Service or University specialists for appropriate rates and tinving of 2,4-0 parays.

SUGARCANE: See table for recommended use rates. Apply as a pre-or post emergence spray according to State recommendations. Apply as a preemergence application before cases appear or as a posterrorgence application in spring other case emerges and

#### RECOMMENDED RATES OF 2,4-D AMME WEED KILLER

<del></del>	Desset For Acre*	
Crap (See Botalled Instructions Above)	Harragi Rates (Decelly Sale To Crept	Higher Rates for Special Situations' (More Uthely To Injury Crop)
SMALL GRAINS		
Spring Posternargence		
wheat, barley, rye	2/3 to 1 V3 Pints	2 to 3 Pints
cats	V2 to 1 Pint	1 1/2 to 2 Pints
Preharvest (dough stage)		
wheat, barley dats	1 to 2 Pirts	2 to 3 Pints
CORW		
Preplant	1 to 2 Pints	
Proemergence	2 to 4 Pints	
Emergence	1 Pot	1 1/2 Pints
Postemergence	, , , , ,	
up to 8 motes tall	1/2 to 1 Pint	
8 inches to tasseling	1 Pet	1 1/2 to 2 1/2 Pints
(use only directed suray)		
Prehanest	1 to 2 Puris	
	· 10 ( F P 4 3	

#### RECOMMENDED RATES OF 2.4-D AMINE WEED KILLER - CONTINUED

	Desage Por Acre"	
Crop (See Botalled Instructions Above)	Hermal Rates (Secully Sale To Cree)	Higher Rates for Special Situations' (More Library To Injure Crop)
SORGHUM		
Postemergence		
6 to 8 inches tall	2/3 to 1 Pixt	
8 to 15 anches tall	1 Pint	1 1/2 to 2 Pints
(use only directed apray)		
PICE	1 to 2 1/2 Pints	2 to 3 Pints
SUGARCANE	2 to 4 Pints	

The higher rates as recommended above may be necessary to control difficult used problems such as under dry conditions in the Western states. They should not be usual, however, unless possible crop injury is acceptable. Consult State Agricultural Experiment Station or Extension Service weed specialists for recommendations or suggestions to fit local conditions.

ment Station or Extension Service would appacialists for incommendations or suggestions to fit local conditions. 
"It band treatment is used, base the discape rate on the actual area appropriate. 
LAWN AND ORNAMENTAL THRF; Use 1 to 3 pints of 2,4-0 Amine Weed Killer in enough water to give good coverage to one acre on established stands of prennial grasses. On net use on creaping grasses such as Bent except for spot spraying. Heavy second liter should not be trated until after the second moving and the lower discape rate should be used. Reseeding of towns should be detayed following treatment. With spring application, reseed in the fall; with fall application, reseed in the spring Legumes are usually damaged or littled, therefore, the not treat areas where the legumes are desired. Deep-tooled perennial weeds such as bindweed and Canada thistle may require repeated applications. The maximum number of broadcast applications per freatment site is 2 per year.

Resistant Woods in Lawn and Organished Burl (Spot Treatment): To control certain broadcal woods, such as jimponwood, prickly lettuce, mallow, purstane, shepherdspurse, amartwood, hentilit, buttercup, wild carrol, docks, poterwood, common multern and sheep sorrel usually require a considerably higher docage rate. These resistant weeds usually may be controlled in localized areas

or spots by applying 1 to 1 1/4 labelegators per gallett of water when the places are young and growing vigorously.

This high dosage rate cannot be used without causing severe bulling, and consequently, its use must be

readed areas within 3 days of staughtur.

CONTINOL OF SOUTHERN WILD ROSE: On rangelands, roadsides, and fence rows, use 2 quarts plus 4 to 8 fluid ounces of an agricultural surfaceant per 100 gallons of reter and spray thoroughly as soon as foliage is well developed. Two or more treatments may be required. On rangeland, apply a maximum of 2 quarts per acre per application. Do not graze dary annuals on treated

may be required. On cangesine, apply a maximum of 2 quarts per acre per application. Do not graze dairy annuts on treated area within 7 days after application.

GENERAL WEED CONTROL (Airfletds, readeldes, vacant lots, drafusings dillot banks, fence rows, industrial afters, and similar areas); Use 1 to 2 quarts per acre. Usually 2 quarts per acre will give adoquate control. Test when woods are young and activety growing. Do not use on herboccous greated covers or conspiring grass such as Bent. Legumes will usually be damaged or lated Deco-roated perennuls may require regard applications. Do not use on freshly seeded for fund grass is well established. Delay resecting for 3 months or until 2.4-D has disappeared from soil. The maximum number of broadcast applications per trustment.

resecting for 3 months of small 2.4-U has unsequence more sum. The state of the plants of the second states of the second states of the plants thoroughly, including stem and fahage to the point of ninoff. Higher volumes of up to 400 gallons are mostsary where the brush is very dense and over 6 to 8 fact high Applications are most effective what made on actively growing plants. Bestment should not be made during time of severe drought or in early fill when leaves feet their groon cutor. Hard to control species may require infrastruction next season. TREE INJECTION: For control of unwanted hardwoods such as olm, self, hickory, and sweetigem in forest and other non-crop areas, apply unablated by injecting 1 nd through the best, using one injection per inch distinction measured at breast height (4 1/2 feet). For harder to control species (ash, maple, depended), unt 2 ml unablated per injection. All injections should be as near the root collar as possible and should be usually appeared around the trunts. Significant may be mode at any time of the year but are most effective during the growing season. Maples should not be treated during the apring sap rise.

STDRAGE AND DISPOSAL.

#### STORAGE AND DISPOSAL

STORAGE: Do not concaverate vision, seeds, et lead by storage or disposal. Do not store at temperatures below 40° F. Do not store near temblaces, seeds, resocicides, or fungicides.

PESTICIDE BISPOSAL: Pesticide viestes are leads, tempre, "disposal of orcess pesticide, seray michine, or incisate is a violation of Federal Law and may contaminate groundwater. If these viestes cannot be disposed of by use according to lead instructions, contact your State Posicide or Environmental Control Agency, or the Hazardous Whate representative at the nearest EPA Regional

CONTAINER DISPOSAL: Triple neas (or dephasers). Then effer for recycling or recondening, or puncture and dispose a sansary tendful, or incineration or, it allowed by State and local authorities, by burning it burned, stay out of smole

#### **WARRANTY AND LIMITATION OF DAMAGES**

Seller warrants that this material contains in its chemical description and its reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Super assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty, including any other express or implied warranty of Fitness or of Merchantability, and no open of Seller is authorized to do no occupt in writing with a specific reference to this warranty in no event shall Seller's fabrity for any breach of warranty exceed the purchase price of the material as to which a claim is made.

CO-OP® IS A REGISTERED TRADEMARK OF UNIVERSAL COOPERATIVES. INC.

