

2,4-D CERTIFICATION OF COMPLIANCE**EPA Letters Dated October 30, 1992 and January 14, 1993**

I, being an authorized representative of Universal Cooperatives, Inc., certify that all containers of 2,4-D Amine Weed Killer (1386-43) produced by October 23, 1993 will bear revised labeling in accordance with the revised labeling required for Task Force technical and manufacturing-use products. I further certify that all containers of said product sold or distributed by this company by April 15, 1994 will bear revised labeling in accordance with the revised labeling required for Task Force technical and manufacturing-use products.



Ms. Nik Ramswick
Universal Cooperatives, Inc.
7801 Metro Parkway
P. O. Box 460
Minneapolis, Minnesota 55440
(612-854-0800)

March 30, 1993

2,4-D Amine Weed Killer

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Side Panel For Additional Precautionary Statements

ACTIVE INGREDIENT:

Dimethylamine salt of

2,4-dichlorophenoxyacetic acid* 47.2%

INERT INGREDIENTS 52.8%

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.

Product 102

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



UNIVERSAL COOPERATIVES, INC., MINNEAPOLIS, MN 55440

BEST AVAILABLE COPY

RECOMMENDED RATES OF 2,4-D AMINE WEED KILLER — CONTINUED

Crop (See Detailed Instructions Above)	Normal Rates (Usually Safe To Crop)	Higher Rates for Special Situations* (More Likely To Injure Crop)
SORGHUM		
Postemergence		
6 to 8 inches tall	2/3 to 1 Pint	
8 to 15 inches tall (use only directed spray)	1 Pint	1 1/2 to 2 Pints
RICE	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 weed problems such as under dry conditions in the Western states. They should not be used, 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.

**If band treatment is used, base the dosage rate on the actual area sprayed.
LAWN AND ORNAMENTAL TURF: Use 1 to 3 pints of 2,4-D Amine Weed Killer in enough water to give good coverage to one acre on established stands of perennial grasses. Do not use on creeping grasses such as Bent except for spot spraying. Newly seeded turf should not be treated until after the second mowing and the lower dosage rate should be used. Reseeding of lawns should be delayed following treatment. With spring application, reseed in the fall; with fall application, reseed in the spring. Legumes are usually damaged or killed, therefore, do not treat areas where the legumes are desired. Deep-rooted perennial weeds such as bindweed and Canada thistle may require repeated application. The maximum number of broadcast applications per treatment site is 2 per year.

Resistant Weeds in Lawns and Ornamental Turf (Spot Treatment): To control certain broadleaf weeds, such as Jimsonweed, prickly lettuce, mallow, purslane, shepherds-purse, smartweed, henbit, buttercup, wild carrot, docks, pokeweed, common mullein and sheep sorrel usually require a considerably higher dosage rate. These resistant weeds usually may be controlled in localized areas or spots by applying 1 to 1 1/4 tablespoons per gallon of water when the plants are young and growing vigorously.

THIS HIGH DOSAGE RATE CANNOT BE USED WITHOUT CAUSING SEVERE INJURY, AND CONSEQUENTLY, ITS USE MUST BE EXCLUSIVELY FOR SPOT TREATMENT WHERE SUCH INJURY CAN BE TOLERATED.

Repeated treatments, if new weed growth occurs, may be necessary to maintain control.
GRASS SEED CROPS: Use 1 to 4 pints per acre in spring or fall to control broadleaf weeds in grass being grown for seed. Do not apply from early boot to milk stage. Spray seedling grass only after the five-leaf stage, using 3/4 to 1 pint per acre to control small seedling weeds. After the grass is well established, higher rates of up to 4 pints can be used to control hard-to-kill annual or perennial weeds. For best results, apply when soil moisture is adequate for good growth.
NOTE: Do not use on bent grass unless grass injury can be tolerated. Do not graze dairy animals nor cut forage for hay within 7 days after application.

FALLOW LAND: Use 1 to 2 quarts per acre on annual broadleaf weeds and up to 2 quarts per acre on established perennial species, such as Canada thistle and field bindweed. Apply to weeds actively growing. Do not plant any crop for 3 months after treatment or until 2,4-D has disappeared from the soil.

PASTURES AND RANGELAND: To control many broadleaf weeds in pastures, meadows, and rangelands, use 2 to 4 pints per acre of 2,4-D Amine Weed Killer in sufficient water to provide for uniform application. Treat when weeds are growing actively. Do not use on newly seeded areas until grass is well established. Do not use from early boot to milk stage where grass seed production is desired. Most legumes are usually injured or killed at the rates recommended. Do not graze dairy animals on treated areas within 7 days of application. Do not harvest grass for hay within 30 days of application. Do not graze meat animals on treated areas within 3 days of slaughter.

CONTROL OF SOUTHERN WILD ROSE: On rangelands, roadsides, and fence rows, use 2 quarts plus 4 to 8 fluid ounces of an agricultural surfactant per 100 gallons of water 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 dairy animals on treated area within 7 days after application.

GENERAL WEED CONTROL (Airfields, roadsides, vacant lots, drainage ditch banks, fence rows, industrial sites, and similar areas): Use 1 to 2 quarts per acre. Usually 2 quarts per acre will give adequate control. Treat when weeds are young and actively growing. Do not use on herbaceous ground covers or creeping grass such as Bent. Legumes will usually be damaged or killed. Deep-rooted perennials may require repeat applications. Do not use on freshly seeded turf until grass is well established. Delay reseeding for 3 months or until 2,4-D has disappeared from soil. The maximum number of broadcast applications per treatment site is 2 per year.

WOODY PLANT CONTROL: To control woody plants susceptible to 2,4-D, such as Alder, Buckbrush, Elderberry, Sumac, and Willow on non-crop areas, use 2 quarts in 100 gallons of water. Wet all parts of the plants thoroughly, including stem and foliage to the point of runoff. Higher volumes of up to 400 gallons are necessary where the brush is very dense and over 6 to 8 feet high. Applications are more effective when made on actively growing plants. Treatment should not be made during time of severe drought or in early fall when leaves lose their green color. Hard to control species may require retreatment next season.

TREE INJECTION: For control of unwanted hardwoods such as elm, oak, hickory, and sweetgum in forest and other non-crop areas, apply undiluted by injecting 1 ml through the bark, using one injection per inch of trunk diameter measured at breast height (4 1/2 feet). For harder to control species (ash, maple, dogwood), use 2 ml undiluted per injection. All injections should be as near the root collar as possible and should be evenly spaced around the trunk. Injections may be made at any time of the year but are most effective during the growing season. Maples should not be treated during the spring sap rise.

STORAGE AND DISPOSAL

STORAGE: Do not contaminate water, food, or feed by storage or disposal. Do not store at temperatures below 40° F. Do not store near fertilizers, seeds, insecticides, or fungicides.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinseup is a violation of Federal Law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer 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 agent of Seller is authorized to do so except in writing with a specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

1020193

IS A REGISTERED TRADEMARK OF UNIVERSAL COOPERATIVES, INC.

Pre-harvest: After the hard dough or denting stage, apply 1 to 2 pints per acre of 2,4-D Amine by air or ground equipment to suppress perennial weeds, decrease weed seed production, and control tall weeds such as bindweed, cocklebur, dogbane, Jimsonweed, ragweed, sunflower, velvetleaf, and vines that interfere with harvesting. Do not forage or feed corn fodder to livestock for 7 days following application.

SONGHUM (MILO): See table for recommended use rates.

Apply when sorghum is 6 to 15 inches high with secondary roots well established. Use drop nozzles when crop is over 6 inches high. Do not apply from flowering to dough stage. Temporary crop injury can be expected under conditions of high soil moisture and high air temperatures. If it is necessary to apply 2,4-D Amine 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 tolerant to 2,4-D at the recommended dosage or after experience has shown the particular crosses or lines being grown to be tolerant to 2,4-D treatment.

FOR USE IN CROP RESIDUE MANAGEMENT SYSTEMS IN SOYBEANS

(Preplant Application Only)

2,4-D Amine Weed Killer may be used for postemergence control of many susceptible annual and perennial broadleaf weeds. This product may be applied prior to planting soybeans to provide foliar burn-down control of susceptible annual and perennial broadleaf weeds and certain broadleaf cover crops such as those listed on this label. Make only preplant applications to emerged weeds prior to planting soybeans grown in reduced tillage production systems. Apply only according to instructions given below.

Do not use any tillage operations between herbicide application and planting of soybeans.

Mixing Instructions: Compatible crop oil concentrates, agricultural surfactants and fluid fertilizers approved for use on growing crops may be added to spray mixture to increase the herbicidal effectiveness of 2,4-D Amine Weed Killer on certain weeds. Read and follow all directions and precautions on this label and on the label of each product added to the spray mixture.

Application Procedures: Apply using air or ground equipment in a spray volume sufficient to provide uniform 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 equipment.

APPLICATION TIMING AND USE RATES

PRODUCT	BROADCAST APPLICATION RATE	WHEN TO APPLY (Days Prior To Planting Soybeans)
2,4-D Amine	1 Pint/Acre 2 Pints/Acre	Not Less Than 15 Days Not Less Than 30 Days

For best weed control 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 variable. Consult your local county agent or State Agricultural Extension Specialist or Crop Consultant for advice.

Use Precautions and Restrictions:

Important Notice — Unacceptable injury to soybeans planted in treated fields may occur. Whether or not soybean injury occurs and the extent of such injury will depend on weather (temperature and rainfall) from herbicide application until soybean emergence and agronomic factors such as the amount of weed vegetation and previous crop residue present at the time of application. Injury is more likely under cool rainy conditions and where there is less weed vegetation and crop residue present.

*Do not use on sandy soils with less than 10% 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 direction favors drift from the treated area to susceptible plants.

*Do not allow livestock grazing or harvest hay, forage or fodder from treated fields. Livestock should be restricted from feeding/grazing of treated cover crops.

*In treated fields, plant soybean seed as deep as practical, but not less than 1.0 inch deep. Adjust the planter, if necessary, to ensure that planted seed is adequately covered.

*Do not apply 2,4-D Amine Weed Killer as described unless you are prepared to accept the results of soybean injury, including possible stand loss and/or yield reduction.

*During the growing season following application, do not replant treated fields with crops other than those labeled for use with 2,4-D Amine Weed Killer.

RICE: See table for recommended use rates.

Apply in the late tillering stage of rice development, at the time of first joint development (first to second green ring), usually 6 to 9 weeks after emergence. Do not apply after panicle initiation, after rice internodes exceed 1/2 inch, at early seedling, early panicle, boot, flowering, or early heading growth stages. Some rice varieties under certain conditions can be injured by 2,4-D. Therefore, before spraying consult local Extension Service or University specialists for appropriate rates and timing of 2,4-D sprays.

SUGARCANE: See table for recommended use rates.

Apply as a pre- or postemergence spray according to State recommendations. Apply as a preemergence application before canes appear or as a postemergence application in spring after cane emerges and through lay-by.

RECOMMENDED RATES OF 2,4-D AMINE WEED KILLER

Crop (See Detailed Instructions Above)	Normal Rates (Usually Safe To Crop)	Higher Rates for Special Situations* (More Likely To Injure Crop)
Dosage Per Acre**		
SMALL GRAIN:		
Spring Postemergence wheat, barley, rye oats	2/3 to 1 1/3 Pints 1/2 to 1 Pint	2 to 3 Pints 1 1/2 to 2 Pints
Preharvest (dough stage) wheat, barley, oats	1 to 2 Pints	2 to 3 Pints
CORN		
Preplant	1 to 2 Pints	
Preemergence	2 to 4 Pints	
Emergence	1 Pint	1 1/2 Pints
Postemergence		
up to 6 inches tall	1/2 to 1 Pint	
6 inches to tasseling (use only directed spray)	1 Pint	1 1/2 to 2 1/2 Pints
Preharvest	1 to 2 Pints	

BEST AVAILABLE COPY