

Reg # 62719-3

# SPECIMEN LABEL

REDUCED TO 71%

**BEST AVAILABLE COPY**

**TESTED**

MAR 29 1982

General Insecticide,  
Fungicide and Herbicide Act.  
for the pesticide  
registered under 464-196  
EPA Reg. No.

Gr

ACTIVE INGREDIENT  
Dimethylamine Salt  
INERT INGREDIENTS  
2,4-Dichlorophenoxy  
Equivalent 38.4%  
Isomer Specific by  
EPA Registration No.  
Spills are the least  
vapors from treated

PRECAUCION AL USU  
hasta que la etiqueta  
TRANSLATION (TO T  
product until the label

86-1171

86-1171 PRINTED IN U.S.A. IN MARC  
REPLACES SPECIMEN LABEL 86-1171  
DISCARD PREVIOUS SPECIMEN LABELS.  
REVISIONS INCLUDE: (1) PRECAUTIO  
(2) USE ON RIGHTS-OF-WAY ADDED;  
ADDED.

# MAA 4

## herbicide

s Dimethylamine Salt† of 2,4-D

Control of Many Broadleaf Weeds in Non-Crop Areas, and in Certain Crops • Also for Control of Trees by Injection

KEEP OUT OF REACH OF CHILDREN

### WARNING

#### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

**INJURIOUS TO EYES • HARMFUL IF SWALLOWED**

**MAY CAUSE SKIN IRRITATION**

**Do Not Get In Eyes Or On Clothing • Wear Goggles Or Face Shield**  
**Handling • Avoid Contact With Skin • Wash Thoroughly After**

#### Statements of Practical Treatment

**In case of eye contact,** immediately flush eyes with plenty of water for 15 minutes. **In case of skin contact,** wash with soap and plenty of water. Remove contaminated clothing before reuse. Discard contaminated shoes. **If swallowed,** vomit immediately by giving two glasses of water and sticking finger down throat. **Do not induce vomiting or give anything by mouth to an unconscious person.**

#### Physical or Chemical Hazards

**Do Not Cut or Weld Container**

#### Environmental Hazards

**Do not contaminate water by cleaning of equipment or disposal of washings. Do not contaminate water used for irrigation or domestic purposes.**

In case of an emergency endangering life or property involving this product, call collect **517-636-4400**

**AGRICULTURAL CHEMICALS**  
**Do Not Ship or Store with Food, Drugs or Clothing**

46.3%  
53.7%

PA Est 464-MI-1  
release/enough  
ceptible crops.

este producto  
e  
do not use this

ED;  
AL

**SPECIMEN LABEL**  
(BACK)

REDUCED TO 79%

**WEED LIST**

- |             |                     |                   |                 |
|-------------|---------------------|-------------------|-----------------|
| bitterweed  | jimsonweed          | poorjoe           | spanishneedles  |
| broomweed   | kochia              | Florida pusley    | sunflower       |
| burdock     | lambsquarters       | wild radish       | sweetclover     |
| carpetweed  | bigbend loco        | common ragweed    | tansymustard    |
| wild carrot | lupines             | wild rape         | bull thistle    |
| chicory     | Venice mallow       | yellow rocket     | musk thistle    |
| cocklebur   | marshelder          | shepherdspurse    | Russian thistle |
| coffeeweed  | annual morningglory | sicklepod         | tumbleweed      |
| croton      | mustards            | smartweed         | velvetleaf      |
| dandelion   | pennycress          | bitter sneezeweed | vetch           |
| dock        | pennwort            | annual southistle | waterplantain   |
| flixweed    | pepperweed          |                   | witchweed       |
| galinsoga   | pigweed             |                   | wormwood        |
| wild hemp   | plantains           |                   |                 |
| jewelweed   |                     |                   |                 |

**DIRECTIONS FOR USE**

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

Generally, the lower dosages given will be satisfactory for young, succulent growth of sensitive weed species. For less sensitive species and under conditions where control is more difficult, the higher dosages will be needed. Apply DMA 4 during warm weather when weeds are young and growing actively. Use enough spray volume for uniform coverage by ground or air application. If only bands or rows are treated, leaving middles unsprayed, the dosage per crop acre is reduced proportionately. Do not apply where drift may be a problem due to proximity of susceptible crops or other desirable plants. Read and follow all Use Precautions given on this label.

To Prepare the Spray, mix DMA 4 only with water, unless otherwise directed on this label. Add about half the water to the mixing tank, then add the DMA 4 Herbicide with agitation, and finally the rest of the water with continuing agitation. Note: Adding oil, wetting agent, or other surfactant to the spray may increase effectiveness on weeds, but also may reduce selectivity to crops resulting in crop damage.

**WEED CONTROL IN SMALL GRAINS NOT UNDERSEEDED WITH A LEGUME (Barley, Oats, Rye, Wheat):** See Table for recommended use rates. Spray after grain begins tillering and before the boot stage (usually 4 to 8 inches tall) and weeds are small. Do not apply before the tiller stage nor from early boot through the milk stage. To control large weeds that will interfere with harvest or to suppress perennial weeds, preharvest treatment can be applied when the grain is in the dough stage. Best results will be obtained when soil moisture is adequate for plant growth and weeds are growing well. Note: Do not permit dairy animals or meat animals being finished for slaughter to forage or graze treated grain fields within 2 weeks after treatment. Do not feed treated straw to livestock.

**WEED CONTROL IN CORN:** See Table for recommended use rates. Pre-emergence — Apply to soil anytime after planting but before corn emerges. Do not use on very light, sandy soil. Emergence — Apply just as corn plants are breaking ground. Post-emergence — Apply to emerged corn. When corn is over 8 inches tall, use drop nozzles to keep spray off corn foliage. Do not apply from tasseling to dough stage. Injury to corn is most likely to occur if DMA 4 is applied when corn is growing rapidly under high temperature and high soil moisture conditions. In such situations, use the low rate of 1/2 pint per acre. After application, delay cultivation for 8 to 10 days to allow the corn to overcome any temporary brittleness. NOTE: Hybrids vary in tolerance to 2,4-D. Some are easily injured. Spray only varieties known to be tolerant to 2,4-D. Consult the seed company or your Agricultural Experiment Station or Extension Service Weed Specialist for this information.

**WEED CONTROL IN SORGHUM (MILO):** See Table for recommended use rates. Treat only after the sorghum is 6 inches high and preferably before it is 15 inches high. Do not treat during the boot, tasseling, or early dough stages. Reduce spray drift by keeping the boom and spray nozzles as low as possible. If crop is taller than 6 inches, use drop nozzles to keep the spray off the leaves. Temporary crop injury can be expected under conditions of high soil moisture and high air temperatures. If it is necessary to apply DMA 4 under these conditions, use no more than 3/4 pint per acre.

NOTE: Hybrids vary in tolerance to 2,4-D. Some are easily injured. Spray only varieties known to be tolerant to 2,4-D. Consult the seed company or your Agricultural Experiment Station or Extension Service Weed Specialist for this information.

**WEED CONTROL IN 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. NOTE: 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.

**WEED CONTROL IN SUGARCANE:** See as a pre-emergence or post-emergence treatments. For grass control, use D herbicides in addition to DMA 4. Always follow the use of these products before use.

**AMOUNT OF DMA 4 HERBICIDE**  
By Air or Ground

NOTE: Do not apply when weather conditions are unfavorable. Follow complete directions and precautions on label.

CROP	Rate (pint/acre)
<b>SMALL GRAINS</b>	
Spring postemergence	
wheat, barley, rye	2 1/2
oats	1/2
Preharvest (dough stage)	
wheat, barley, oats	1
<b>CORN<sup>1</sup></b>	
Preemergence	2
Emergence <sup>1</sup>	1
Postemergence <sup>1</sup>	
up to 8 inches tall	1/2
8 inches to tasseling (use only directed spray)	1
<b>SORGHUM (Milo)<sup>1</sup></b>	
Postemergence	
6 to 8 inches tall	2 1/2
8 to 15 inches tall (use only directed spray)	1
<b>RICE</b>	1
<b>SUGARCANE</b>	2

<sup>1</sup>Corn and sorghum varieties vary in tolerance. Before spraying, get information on 2,4-D only those known to be resistant to 2,4-D tall, use directed spray and keep spray off.

<sup>2</sup>These higher rates may be needed to treat areas such as under dry conditions especially use unless possible crop injury will be. Experiment Station or Extension Service or suggestions to fit local conditions.

**WEED CONTROL ON FALLOW LAND:** L annual broadleaf weeds and up to 3 qu species, such as Canada thistle and tie growing. Do not plant any crop for 3 months disappeared from soil.

**WEED CONTROL IN ESTABLISHED GRASS:** Use at 2 to 4 pints per acre. Apply prefera actively before the bud stage. Do not use legumes. Do not use on newly seeded areas: use from early boot to milk stage where g graze dairy animals on treated areas with

**CONTROL OF SOUTHERN WILD ROSE:** rows, use 1 gallon of DMA 4 plus 4 to 8 flu per 100 gallons of water and spray th developed. Two or more treatments ma maximum of 6 quarts of DMA 4 per ac animals on treated areas within 7 days at

**GRASS SEED CROPS:** Use 1 to 4 pints broadleaf weeds in grass being grown for the milk stage. Spray seedling grass only 1 per acre to control small seedling weed higher rates of up to 4 pints can be used to weeds. For best results, apply when soil r

NOTE: Do not use on bentgrass unless gra dairy animals nor cut forage for hay with

**BROADLEAF WEED CONTROL IN NON-CROPS:** LAWNS, GOLF COURSES, CEMETERIE SIDES, VACANT LOTS, DRAINAGE DITCH acre in the amount of water needed for uni

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**THE DOW CHEMICAL COMPANY**  
AND SUBS

MIDLAND, MICHIGAN 48640, USA HC  
CORAL GABLES, FLORIDA 33134, U

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**GARCANÉ:** See table for recommended use rates. Apply post-emergence spray in accordance with State recommendations. Use DOWPON or DOW Sodium TCA grass DMA 4. Always read the label directions and precautions before using them with DMA 4.

### DMA 4 HERBICIDE TO USE IN CROPS

By Air or Ground Application

Weather conditions favor drift from treated areas. Read precautions before using

	DOSAGE PER ACRE	
	Normal rates (usually safe to crops)	Higher rates for special situations <sup>2</sup> (more likely to injure crop)
(e)	¾ to 1½ pints ½ to 1 pint ✓	2 to 3 pints 1½ to 2 pints ✓
(e)	1 to 2 pints	2 to 3 pints
(g spray)	2 to 4 pints 1 pint ½ to 1 pint ✓	1½ pints ✓
(g spray)	1 pint	1½ to 2½ pints
(g spray)	¾ to 1 pint ✓	
(g spray)	1 pint ✓	1½ to 2 pints ✓
	1 to 2½ pints ✓	2 to 3 pints ✓
	2 to 4 pints	

varieties vary in tolerance to 2,4-D, some are easily injured. Information on 2,4-D tolerance of specific varieties and spray resistant to 2,4-D injury. If plants are more than 8 inches tall, keep spray off corn and sorghum foliage.

Special care is needed to handle difficult weed problems in certain conditions especially in western areas. However, do not apply injury will be acceptable. Consult State Agricultural Extension Service weed specialists for recommendations under local conditions.

**ALLOW LAND:** Use 1 to 2 quarts of DMA 4 per acre on new crops and up to 3 quarts per acre on established perennial weeds such as thistle and field bindweed. Apply to weeds actively growing for 3 months after treatment or until chemical has been killed.

**ESTABLISHED GRASS PASTURES AND RANGELANDS:** Apply preferably when weeds are small and growing in early stages. Do not use on bentgrass, alfalfa, clover or other newly seeded areas until grass is well established. Do not apply in late stages where grass seed production is desired. Do not apply to treated areas within 7 days after application.

**CONTROL WILD ROSE:** On rangelands, roadsides, and fence lines, use 4 to 8 fluid ounces of an agricultural surfactant with DMA 4 and spray thoroughly as soon as foliage is well established. Re-treatments may be required. On rangeland, apply a total of DMA 4 per acre per application. Do not graze dairy cattle within 7 days after application.

Use 1 to 4 pints per acre in spring or fall to control weeds being grown for seed. Do not apply from early boot to heading stage. Do not apply to seedling grass only after the five-leaf stage, using ¾ to 1 pint per acre. Do not apply to seedling grasses. After the grass is well established, DMA 4 can be used to control hard-to-kill annual or perennial weeds. Apply when soil moisture is adequate for good growth of grass unless grass injury can be tolerated. Do not graze dairy cattle for hay within 7 days after application.

**CONTROL IN NON-CROPLAND GRASS AREAS SUCH AS PASTURES, CEMETERIES AND PARKS, AIRFIELDS, ROAD-DRAINAGE DITCH BANKS:** Use 1 to 3 quarts of DMA 4 per acre for uniform application. Treat when weeds are

young and growing well. Usually 2 quarts per acre will provide adequate weed control. Do not use on dichondra or other herbaceous ground covers. Do not use on creeping grasses such as bent except for spot treating nor on freshly seeded turf until grass is well established. 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. Deeprooted perennial weeds such as bindweed and Canada thistle may require repeated applications.

**SPOT TREATMENT IN NON-CROP AREAS:** To control broadleaf weeds in small areas with a hand sprayer, use ¼ pint of DMA 4 in 3 gallons of water and spray to thoroughly wet all foliage.

**TREE INJECTION TREATMENT:** To control unwanted hardwood trees such as elm, hickory, oak, and sweetgum in forest and other non-crop areas, apply DMA 4 by injecting 1 ml of the undiluted product through the bark around the trunk at intervals of 1 to 3 inches between edges of the injector wounds. For harder to control species such as ash, maple, and dogwood use 2 ml of undiluted DMA 4 per injection site. Continuous cuts around the trunk often provide improved control. Also, cuts near the ground level may be more effective than at higher levels. Treatments can be made at any season; however, effectiveness may be less during winter months. Maples should not be treated during the spring sap flow.

**FOR RIGHTS-OF-WAY:** For perennial broadleaf weeds and susceptible woody species, use up to 2 gal DMA 4 per acre. For difficult to control perennial broadleaf weeds and woody species, use up to 2 gal DMA 4 and 1 to 4 qts. CARLON 3A herbicide per acre. For ground application: (High volume) apply a total of 100 to 400 gal per acre; (low volume) apply a total of 20 to 100 gal per acre. For helicopter: Apply a total of 10 to 30 gal per acre spray volume.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**STORAGE:** Keep container tightly closed when not in use. If exposed to subfreezing temperatures, the product should be warmed to at least 40F and mixed thoroughly before using.

**PESTICIDE DISPOSAL:** Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State, or local procedures under the Resource Conservation and Recovery Act.

**CONTAINER DISPOSAL:** Do not reuse containers. Dispose of them in a sanitary landfill or by other approved State and local procedures.

### USE PRECAUTIONS

Do not apply DMA 4 directly to, or otherwise permit it to come into contact with cotton, flowers, fruit trees, grapes, ornamentals, vegetables, or other desirable plants which are sensitive to 2,4-D herbicides and do not use in a greenhouse. Do not permit spray mist containing it to drift onto them, since even very small quantities of the spray, which may not be visible, can cause severe injury during both growing and dormant periods. Use coarse sprays to minimize drift. With ground equipment, spray drift can also be minimized by keeping the spray boom as low as possible, by applying 20 gallons or more of spray per acre, by using no more than 20 pounds per square inch spraying pressure, by using flat fan or flood fan nozzle tips, and by stopping all spraying when wind velocity exceeds 8 miles per hour. Do not apply using cone-type insecticide or other nozzles that produce a fine-droplet spray. With aircraft application, drift can be lessened by using no more than 20 pounds spray pressure at the nozzles; by using nozzles which produce a coarse spray pattern, and by spraying only when the wind velocity is less than 5 miles per hour. Applications by airplane, ground rigs, and hand dispensers should be carried out only when there is no hazard from drift. Do not apply in the vicinity of cotton, grapes, tomatoes, or other desirable vegetation susceptible to 2,4-D. Do not spray when the wind is blowing across the area to be sprayed towards susceptible crops or ornamental plants. Violent windstorms may move soil particles. If 2,4-D is on these particles and they are blown onto susceptible plants, visible symptoms may appear. Serious injury is unlikely. The hazard of movement of 2,4-D on dust during violent windstorms is reduced if treated fields are irrigated or if rain occurs shortly after application. Do not contaminate irrigation ditches or water used for irrigation or domestic purposes.

To avoid injury to desirable plants, do not store, handle, or apply other agricultural chemicals with the same containers or equipment used for DMA 4 except as specified on this label. Excessive amounts of 2,4-D in the soil may temporarily inhibit seed germination or plant growth.

Consult your State Agricultural Experiment Stations or Extension Service weed specialists in many states for recommendations from this label that best fit local conditions. Be sure that use of this product conforms to all applicable regulations. Apply this product only as specified on this label.

**NOTICE:** Seller warrants that the product 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, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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22054-M282

# CHEMICAL COMPANY

AND SUBSIDIARIES

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