

51036-290

05/31/2002

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

MAY 31 2002

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Pam Bruce  
Micro-Flo Company LLC  
P.O. Box 772099  
Memphis, TN 38117-2099

Dear Ms. Bruce:

Subject: Revised Labeling  
Dicamba DMA 2# AG  
EPA Registration No. 51036-290  
Your Submission Dated May 22, 2002

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- Assure that on the final printed labels in the Sugarcane directions for use that the specific page numbers replace "xxx" designations.

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records. If you have any questions concerning this letter please contact Mr. James Stone at 703-305-7391.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Joanne I. Miller".

for Joanne I. Miller  
Product Manager (23)  
Herbicide Branch  
Registration Division (7505C)

Enclosure

**ACCEPTED**  
**with COMMENTS**  
**In EPA Letter Dated:**

# DICAMBA DMA 2# AG

SMALL GRAINS/CORN/FALLOW/COTTON/SUGARCANE **MAY 31 2002**

**Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 51036-290**

ACTIVE INGREDIENT:

Sodium salt of dicamba (3,6-dichloro-o-anisic acid)\* .....

INERT INGREDIENTS: .....

TOTAL .....

	23.15%
	76.85%
	100.00%

\*This product contains 21.06% 3,6-dichloro-o-anisic acid (dicamba) or 2 pounds per gallon (240 g/l).

KEEP OUT OF REACH OF CHILDREN

## WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

### FIRST AID

#### 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 eye.
- Call a poison control center or doctor for treatment advice.

#### IF ON SKIN OR CLOTHING:

- 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 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 do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

EPA Reg. No. 51036-290  
AD

EPA Est. No. 51036-GA-01

Manufactured For:  
MICRO FLO COMPANY LLC  
P.O. BOX 772099  
MEMPHIS, TN. 38117

**EMERGENCY TELEPHONE NUMBERS:** Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact:

- (800) 424-9300 CHEMTREC (transportation and spills)
- (800) 900-4044 Poison Control Center (human health)
- (800) 345-4735 ASPCA (animal health)

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING**

Causes eye irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Avoid breathing spray mist. Wash thoroughly after handling. In case of contact, wash skin with soap and water; for eyes, flush with water for 15 minutes and get medical attention.

**PERSONAL PROTECTIVE EQUIPMENT:**

Applicators and other handlers must wear:  
 Long-sleeved shirt and long pants  
 Shoes plus socks  
 Protective eyewear  
~~Waterproof~~ Gloves Chemical Resistant Gloves Category A

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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:**

- Users should:
1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
  2. Remove clothing 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**

~~Keep out of lakes, streams or ponds.~~ Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Apply this product only as directed on the label.

**DIRECTIONS FOR USE**

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 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
- ~~Waterproof~~ **Gloves Chemical Resistant Gloves Category A**
- Shoes plus socks
- Protective eyewear

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

**BEST STEWARDSHIP PRACTICES**

Dicamba DMA 2# AG provides effective broadleaf weed and brush control when properly applied. Best stewardship practices in all mixing, loading, and application operations not only maximize weed control, but also protect ground and surface waters and minimize off-target movement.

This chemical is known to leach through soil into ground water

under certain conditions as a result of agricultural use. Use this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

GROUND AND SURFACE WATERS PROTECTION

Point source contamination- to prevent point source contamination, do not mix, load this pesticide product within 50 feet of wells (including abandoned wells and drainage wells), sink holes, perennial or intermittent lakes and reservoirs. Do not apply pesticide product within 50 feet of wells. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pad or properly diked mixing/loading areas as described below.

Mixing, loading, rinsing, or washing operations performed within 50 feet of a well are allowed only when conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be on or move across the pad. The pad must be self-contained to prevent surface water flow over or from the pad. The pad capacity must be maintained at 110% that of the largest pesticide container or application equipment used on the pad and have sufficient capacity to contain all product spills, equipment or container leaks, equipment washwaters and rainwater that may fall on the pad. The containment capacity does not apply to vehicles delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Care must be taken when using this product to prevent: a) back siphoning into wells, b) spills or c) improper disposal of excess pesticide, spray mixtures or rinsates. Check valves or antisiphoning devices must be used on all mixing equipment.

2.Movement by surface runoff or through soil- Do not apply under conditions which favor runoff. Do not apply to impervious substrates such as paved or highly compacted surfaces in areas with high potential for ground water contamination. Ground water contamination may occur in areas where soils are permeable or coarse and ground water is near the surface. Do not apply to soils classified as sand with less than 3% organic matter and where ground water depth is shallow. To minimize the possibility of ground water contamination, carefully follow application rate recommendations as affected by soil type in the general information section of this label.

3.Movement by water erosion of treated soil- Do not apply or incorporate this product through any new type of irrigation equipment nor by flood or furrow irrigation. Ensure treated areas have received at least one-half inch of rainfall (or irrigation) before using tailwater for subsequent irrigation of other fields.

**IMPORTANT  
BEFORE USING DICAMBA DMA 2# AG  
READ AND FOLLOW THESE PRECAUTIONS**

The following directions apply to all uses of DICAMBA DMA 2# AG:

Additional precautions and restrictions will be found in each specific use section.

Do not contaminate irrigation ditches or water used for domestic purposes.

**SENSITIVE CROP PRECAUTIONS**

DICAMBA DMA 2# AG may cause injury to desirable trees and plants, particularly beans, cotton, flowers, fruit trees, grapes, ornamentals, peas, potatoes, soybeans, sunflowers, tobacco, tomatoes and other broadleaf plants when contacting their roots, stems or foliage. These plants are most sensitive to DICAMBA DMA 2# AG during their development or growing stage.

FOLLOW THE PRECAUTIONS LISTED BELOW WHEN USING DICAMBA DMA 2# AG.

Do not treat areas where either possible downward movement into the soil or surface washing may cause contact of DICAMBA DMA 2# AG with the roots of desirable plants such as trees and shrubs.

Avoid making applications when spray particles may be carried by air currents to areas where sensitive plants are growing. Do not spray adjacent to sensitive plants if wind is gusty or in excess of 5 mph or moving in the direction of nearby sensitive plants. Leave a buffer zone between area to be treated and sensitive plants. Avoid spraying under inversion conditions to protect against off target movement to sensitive plants. Coarse (greater than 100 micron droplets) sprays are less likely to drift out of the target area than fine sprays. Agriculturally approved drift-reducing additives may be used.

Do not apply DICAMBA DMA 2# AG adjacent to sensitive crops when the temperature on the day of application is expected to exceed 85°F.

To avoid injury to desirable plants, equipment used to apply DICAMBA DMA 2# AG should be thoroughly cleaned before reusing to apply any other chemicals (see PROCEDURE FOR CLEANING SPRAY EQUIPMENT).

All crop uses of DICAMBA DMA 2# AG are intended for a normal growing interval between planting and harvest. No crop rotation restrictions exist if normal harvest of treated crop has occurred. If this interval is shortened, such as in cover crops that will be plowed under, do not follow up with the planting of a sensitive crop.

Crops growing under stress conditions such as, but not limited to,

drought, excessive moisture, poor fertility, frost or foliar damage due to hail, wind or insects, or when the crop is not actively growing, can exhibit various injury symptoms that may be more pronounced if herbicides are applied.

Consult your local or state authorities for possible application restrictions and advice concerning these and other special local use situations. Tank mix recommendations are for use only in states where the tank mix product and application site are registered.

**PROCEDURE FOR CLEANING SPRAY EQUIPMENT**

The steps listed below are suggested for thorough cleaning of spray equipment following applications of DICAMBA DMA 2# AG or tank mixes of DICAMBA DMA 2# AG or tank mixes of DICAMBA DMA 2# AG plus 2,4-D amine.

- 1) Hose down thoroughly the inside as well as outside surfaces of equipment while filling the spray tank half full of water. Flush by operating sprayer until the system is purged of the rinse water.
- 2) Fill tank with water while adding 1 quart of household ammonia for every 25 gallons of water. Operate the pump to circulate the ammonia solution through the sprayer system for 15 to 20 minutes and discharge a small amount of the ammonia solution through the boom and nozzles. Let the solution stand for several hours, preferably overnight.
- 3) Flush the solution out of the spray tank through the boom.
- 4) Remove the nozzles and screens and flush the system with two full tanks of water.

The steps listed below are suggested for thorough cleaning of spray equipment used to apply DICAMBA DMA 2# AG as a tank mix with wettable powders (WP), emulsifiable concentrates (EC), or other types of water-dispersible formulations. DICAMBA DMA 2# AG tank mixes with water-dispersible formulations require the use of a water/detergent rinse.

- 5) Complete step 1.
- 6) Fill tank with water while adding 2 lbs. of detergent for every 40 gallons of water. Operate the pump to circulate the detergent solution through the sprayer system for 5 to 10 minutes and discharge a small amount of the solution through the boom and nozzles. Let the solution stand for several hours, preferably overnight.
- 7) Flush the detergent solution out of the spray tank through the boom.

8) Repeat step 1, and follow with steps 2, 3, and 4.

**MIXING AND APPLICATION**

UNLESS OTHERWISE SPECIFIED UNDER THE INDIVIDUAL USE HEADINGS OF THIS BOOKLET, THE FOLLOWING DIRECTIONS APPLY TO ALL CROP AND NON-CROP USES OF DICAMBA DMA 2# AG. REFER TO INDIVIDUAL USE SECTIONS FOR ADDITIONAL PRECAUTIONS, RESTRICTIONS, APPLICATION RATES AND TIMINGS.

DICAMBA DMA 2# AG is a water-soluble formulation that can be applied using water or sprayable fluid fertilizer as the carrier. If a fluid fertilizer is to be used, a compatibility test (see COMPATIBILITY TEST) should be made prior to tank mixing. Using fluid fertilizers as the carrier after crop emergence may increase the risk of crop injury.

DICAMBA DMA 2# AG should be mixed with other products only in the spray tank or shuttle in dilute form. DICAMBA DMA 2# AG product concentrate should not be mixed directly with other product concentrates.

Ground or aerial application equipment which will give good spray coverage of weed foliage should be used. Do not use aerial application in areas where wind can carry onto sensitive plants.

Apply 3 to 50 gallons of diluted spray per treated acre when using ground application equipment (use a minimum of 5 gallons when treating dense vegetation), or 1 to 10 gallons of diluted spray per treated acre when using aerial application equipment (use a minimum of 2 gallons when treating dense vegetation). Use coarse sprays.

Select nozzles designed to produce minimal amounts of fine spray particles. Spray with nozzles as close to the weeds as is practical for good weed coverage.

Avoid disturbing (e.g. cultivating or mowing) treated areas for at least 7 days following application.

Sulfonylurea resistant weeds may not be controlled by tank mixes of DICAMBA DMA 2# AG and a sulfonylurea. Refer to the DICAMBA DMA 2# AG tank mix sections for alternative tank mixes.



**COMPATIBILITY TEST**

Before mixing in the spray tank, it is advisable to test compatibility by mixing all components in a small container in proportionate quantities (see following table).

Amount of Component to Add to One Pint of Spray Carrier (Assuming Volume is 25 Gallons per Acre)

Component Formulations	Rate Per Acre	Level Teaspoons
Dry	1 lb.	1 1/2
Liquid	1 pt.	1/2

If component(s) do not ball-up or form flakes, sludge, gels, oily films or layers, or other precipitates, then the tested spray mix is compatible. Usually, incompatibility in any of the above described forms will occur within 5 minutes after mixing.

If components are incompatible, the use of a compatibility agent is recommended. Rerun the above COMPATIBILITY TEST with a suitable compatibility agent ( 1/4 teaspoon is equivalent to 2 pints per 100 gallons of fluid fertilizer).

**SMALL GRAINS  
(NOT UNDERSEEDED TO LEGUMES)**

**IMPORTANT**

Observe all precautions. Read and follow cleaning, mixing and application instructions.

If small grains are used for pasture or hay, the following restrictions apply:

- \* Animals cannot be removed from treated area for slaughter prior to 30 days after last application.
- \* There is no waiting period between treatment and grazing for non-lactating animals.
- \* Treated areas may not be grazed by lactating dairy animals before 7 days after treatment.
- \* Do not harvest hay from treated areas before 37 days after treatment.

NOTE: Observe all precautions and restrictions on the labels of products used in tank mix treatments.

**WEEDS CONTROLLED**

DICAMBA DMA 2# AG, or combinations with listed tank mix partners, will provide control or suppression of the annual broadleaf weeds listed below. For improved control of listed weeds, it is recommended that DICAMBA DMA 2# AG be applied in a tank mix with other herbicides. Refer to specific crop for tank mix options.

- Alkanet(1)
- Bedstraw, Catchweed(1)
- Bindweed, Field(2)
- Buckwheat, Tartary
- Buckwheat, Wild
- Carpetweed(1)
- Chamomile, Corn
- Chervil, Bur(1)
- Chickweed, Common(1)
- Cockle, Corn
- Cockle, Cow
- Cocklebur, Common
- Cornflower
- Dandelion, Common(2)
- Dock, Curly(2)
- Dragonhead, American(1)
- Evening Primrose, Cutleaf (1)
- Falseflax, Smallseeded (1)
- Fiddleneck(Tarweed)(1)
- Flixweed(1)
- Fumitory (1)
- Gromwell, Corn (1)
- Groundsel, Common (1)
- Hempnettle (1)
- Henbit Shepherdspurse(1)
- Jacobs Ladder (1)
- Knawel (German Moss)
- Knotweed, Prostrate
- Kochia Sowthistle, Annual
- Ladysthumb
- Lambsquarters, Common
- Lettuce, Miners(1)
- Lettuce, Prickly
- Mallow, Common
- Mayweed, Chamomile (Dogfennel)(1)
- Mustard, Blue (Purple)(1)
- Mustard, Tansy
- Mustard, Treacle(1)
- Mustard, Tumble (Jim Hill)(1)
- Mustard, Wild(1)
- Nightshade, Black
- Nightshade, Cutleaf(1)
- Nightshade, Silverleaf(2) (White Horsenettle)
- Pennycress, Field (Fanweed, Frenchweed, Stinkweed)
- Pepperweed, Peppergrass(1)
- Pigweed, Redroot (Carelessweed)
- Pigweed, Rough
- Pigweed, Tumble (Bachelorbutton)(1)
- Pineappleweed (1)
- Plantain, Broadleaf (2)
- Poppy, Red Horned (1)
- Puncturevine (1)
- Purslane, Common (1)
- Radish, Wild (1)
- Ragweed, Common (1)
- Ragweed, Giant (Buffaloweed)(1)
- Rocket, London (1)
- Rocket, Yellow (1)
- Salsify (Goatsbeard)(1)
- Smartweed, Green
- Smartweed, Pennsylvania
- Sorrel, Red (Sheep Sorrel)(1)
- Starthistle, Yellow (1)
- Sunflower, Common (Wild)
- Thistle, Canada (2)
- Thistle, Russian
- Yarrow, Common (2)
- Velvetleaf
- Vetch (1)

(1) These weeds will be controlled with DICAMBA DMA 2# AG tank mixtures. Refer to tank mix label for specific weeds controlled.

(2) DICAMBA DMA 2# AG tank mixes will provide suppression of established perennial broadleaf weeds and control of their seedlings.

**RATES AND TIMINGS**

Application of DICAMBA DMA 2# AG may be made before, during or after planting of small grains. For best performance, make applications when weeds are in the 2-3 leaf stage and rosettes are less than 2 inches across. Application of DICAMBA DMA 2# AG to small grains during periods of rapid growth may result in crop leaning. This condition is temporary and will not affect crop yield.

Use DICAMBA DMA 2# AG at 4 to 8 fluid ounces per treated acre in wheat, fall seeded barley, and oats, and at 4 to 6 fluid ounces per treated acre in spring seeded barley. Use the higher level of listed rate range when treating difficult to control weeds such as kochia, wild buckwheat, cow cockle, prostate knotweed, Russian thistle and prickly lettuce or when dense vegetative growth.

DICAMBA DMA 2# AG used in a tank mix with other herbicides offers the best spectrum of weed control and herbicide tolerant or resistant weed management. Refer to specific crop for DICAMBA DMA 2# AG rate and application timing.

For applications prior to the emergence of weeds or when sulfonylurea resistant weeds are present or suspected, use a minimum of 6 fluid ounces per treated acre of DICAMBA DMA 2# AG with a tank mix herbicide. Non-sulfonylurea herbicides such as 2,4-D or MCPA, tank mixed with DICAMBA DMA 2# AG will offer more consistent control of sulfonylurea resistant weeds. Surfactants are not recommended when applying DICAMBA DMA 2# AG on small grains except when tank mixing with registered sulfonylurea small grain herbicides.

When tank mixing with sulfonylurea herbicides, such as Amber®, Ally®, Express®, Finesse®, Glean® and Harmony® Extra, use an agriculturally approved surfactant of at least 80% active ingredient at the rate of 1-4 pints/100 gallons of spray or not more than 0.25-0.5% by volume. Use the highest rate of surfactant when using the lower rate ranges of the tank mix and/or when treating more mature and difficult to control weeds or dense vegetative growth.

**FALL AND SPRING SEEDED WHEAT**

DICAMBA DMA 2# AG MUST BE APPLIED TO FALL SEEDED WHEAT PRIOR TO THE JOINTING STAGE. APPLICATIONS TO SPRING SEEDED WHEAT MUST BE MADE BEFORE WHEAT EXCEEDS THE 5 LEAF STAGE.

### TANK MIX TREATMENTS

For control of grasses or additional broadleaf weeds, DICAMBA DMA 2# AG may be tank mixed with the following herbicides. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled and geographic and other restrictions.

#### BROADCAST RATE PER TREATED ACRE<sup>1</sup>

Apply 4-8 fluid ounces DICAMBA DMA 2# AG with:

PRODUCT	ACTIVE INGREDIENT	FORMULATION	AMOUNT OF PRODUCT PER ACRE
2,4-D amine or ester ai/A) <sup>2</sup>	2,4-D	4 lb/gal	8-12 fluid oz (.25 - .375 lb
MCPA amine or ester ai/A) <sup>2</sup>	MCPA	4 lb/gal	8-12 fluid oz (.25 - .375 lb
Ally	metsulfuron-methyl	60% DF	1/10 oz
Amber	triasulfuron	75% DF	0.28 oz
Express	thifensulfuron + tribenuron-methyl	75% DF	1/6 oz
Finesse	chlorsulfuron + metsulfuron-methyl	75% DF	1/3 oz
Glean	chlorsulfuron	75% DF	1/6 oz
Harmony Extra	thifensulfuron + tribenuron-methyl	75% DF	1/3 oz
Buctril	bromoxynil <sup>3</sup>	2 lb/gal	1 - 1.5 pt
Bronate <sup>®</sup>	bromoxynil + MCPA	4 lb/gal	1 - 2 pt
Curtail <sup>®</sup>	clopyralid + 2,4-D	2.38 lb/gal	2 - 2 2/3 pt
Stinger <sup>®</sup>	clopyralid	3 lb/gal	1/4 - 1/3 pt
Karmex <sup>®4</sup>	diuron <sup>3</sup>	80% DF	1/2 - 1.5 lb
Sencor <sup>®4</sup>	metribuzin <sup>3</sup>	75% DF	1 - 10 oz
Dakota <sup>®5</sup>	fenoxaprop-ethyl + MCPA	3.1 lb/gal	16 oz.
Tiller <sup>®5</sup>	fenoxaprop-ethyl + MCPA + 2,4-D	2.7 lb/gal	1 - 1.7 pt

1 DICAMBA DMA 2# AG sprayed on fall seeded wheat variety TAM 107 in Colorado may cause unacceptable crop injury. DICAMBA 2# should be used only if crop injury is acceptable. Caution should be used when spraying DICAMBA DMA 2# AG on early maturing fall seeded wheat varieties such as MADISON or WAKEFIELD. Crop staging to verify pre-jointing should be made prior to the application or unacceptable crop injury may occur.

(2) When using formulations other than 4 lb/gal use pounds active/acre listed.

(3) Herbicides with the same active ingredient and/or different formulation may be used.

(4) Tank mixtures for fall seeded wheat only.

(5) Use 4 fluid ounces of DICAMBA DMA 2# AG only. Do not use if wild oats is the target weed. Do not use DICAMBA DMA 2# AG as a tank mix treatment with Dakota® or Tiller® on Durum wheat.

**SPECIAL USE TANK MIXES FOR SPRING AND FALL SEEDED WHEAT**  
(See Footnotes for Applicable Uses)

Apply 6-8<sup>1</sup> fluid ounces DICAMBA DMA 2# AG with:

PRODUCT <sup>2</sup>	ACTIVE INGREDIENT	FORMULATION	AMOUNT OF PRODUCT PER ACRE
2,4-D or MCPA amine	2,4-D or MCPA	4 lb/gal	1 - 2 pt <sup>3</sup> (0.5 - 1.0 lb ai/A) <sup>4</sup>
2,4-D or MCPA ester	2,4-D or MCPA	4 lb/gal	1 - 1.5 pt <sup>3</sup> (.5 - .75 lb ai/A) <sup>4</sup>
Ally	metsulfuron-methyl	60% DF	1/20 - 1/10 oz
Amber	triasulfuron	75% DF	0.14 - 0.28 oz
Express	thifensulfuron + tribenuron-methyl	75% DF	1/12 - 1/6 oz
Finesse	chlorsulfuron + metsulfuron-methyl	75% DF	1/6 - 1/3 oz
Glean	chlorsulfuron	75% DF	1/6 oz
Harmony Extra	thifensulfuron + tribenuron-methyl	75% DF	1/6 - 1/3 oz
Ally + 2,4-D amine or ester <sup>5</sup>	metsulfuron-methyl + 2,4-D	60% DF + 4 lb/gal	1/20 - 1/10 oz + 8 fluid oz
Amber + 2,4-D amine or ester <sup>5</sup>	triasulfuron + 2,4-D	75% DF + 4 lb/gal	0.14 - 0.28 oz + 8 fluid oz

Express + 2,4-D amine or ester <sup>5</sup>	(thifensulfuron + tribenuron- methyl) + 2,4-D	75% DF + 4 lb/gal	1/12 - 1/6 oz + 8 fluid oz
Finesse + 2,4-D amine or ester <sup>5</sup>	(chlorsulfuron + metsulfuron- methyl) + 2,4-D	75% DF + 4 lb/gal	1/6- 1/3 oz + 8 fluid oz
Glean + 2,4-D amine or ester <sup>5</sup>	chlorsulfuron + 2,4-D	75% DF + 4 lb/gal	1/6 + 8 fluid oz
Harmony Extra + 2,4-D amine or ester <sup>5</sup>	(thifensulfuron + tribenuron- methyl) + 2,4-D	75% DF + 4 lb/gal	1/6 - 1/3 oz + 8 fluid oz
Roundup RT <sup>®6</sup> glyphosate	3.0 lb/gal		12 - 16 fluid oz

(1) DICAMBA DMA 2# AG may be used at 12 fluid ounces on fall seeded wheat in Western Oregon as a spring application only. In CO, KS, NM, OK and TX up to 16 fluid ounces of DICAMBA DMA 2# AG may be applied on fall seeded wheat after it exceeds the 3 leaf stage for suppression of perennial weeds, such as field bindweed. Applications may be made in the fall following a frost but before a killing freeze. DICAMBA DMA 2# AG may be tank mixed with 2,4-D amine at 8 fluid ounces after wheat begins to tiller. Periods of extended stress, such as cold and wet weather, may enhance the possibility of crop injury. For fall applications only, do not use if the potential for crop injury is not acceptable.

(2) Do not use low rates of sulfonyleurea herbicides, such as Ally, Amber, Express, Finesse, Glean, and Harmony Extra on more mature weeds and/or on dense vegetative growth.

(3) Note: For use on Fall Seeded Wheat Only. Do Not Use unless potential crop injury will be acceptable.

(4) When using formulations other than 4 lb/gal use pounds active/acre listed.

(5) For improved control of Russian thistle, flixweed, gromwell, mayweed and fiddleneck.

(6) DICAMBA DMA 2# AG may be applied at 4 fluid ounces with Roundup RT or any glyphosate formulation labeled as a preplant application to small grains with no waiting period prior to planting. Read and follow label directions of the tank mix product for adjuvant use recommendations.

**FALL SEEDED BARLEY**

DICAMBA DMA 2# AG MUST BE APPLIED TO FALL SEEDED BARLEY PRIOR TO THE JOINTING STAGE.

Note: For spring barley varieties that are seeded during the winter months or later, follow the rates and timings given for spring seeded barley.

### TANK MIX TREATMENTS

For control of additional broadleaf weeds, DICAMBA DMA 2# may be tank mixed with the following herbicides. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled and geographic and other restrictions.

#### BROADCAST RATE PER TREATED ACRE:

Apply 4-8 fluid ounces DICAMBA DMA 2# AG with:

PRODUCT <sup>1</sup>	ACTIVE INGREDIENT	FORMULATION	AMOUNT OF PRODUCT PER ACRE
2,4-D amine or ester	2,4-D	4 lb/gal	8 fl oz (0.25 lb ai/A) <sup>2</sup>
MCPA amine or ester	MCPA	4 lb/gal	8-12 fl oz (0.25 - 0.375 lb ai/A)
Ally	metsulfuron-methyl	60% DF	1/20 - 1/10 oz
Amber	triasulfuron	75% DF	0.14 - 0.28 oz
Express	thifensulfuron + tribenuron-methyl	75% DF	1/12 - 1/6 oz
Finesse	chlorsulfuron + metsulfuron-methyl	75% DF	1/6 - 1/3 oz
Glean	chlorsulfuron	75% DF	1/6 oz
Harmony Extra	thifensulfuron + tribenuron-methyl	75% DF	1/6 - 1/3 oz
Sencor	metribuzin <sup>3</sup>	75% DF	1 - 10 oz
Buctril	bromoxynil	2 lb/gal	1 - 1 1/2 pt
Bronate	bromoxynil + MCPA	4 lb/gal	3/4 - 1 1/2 pt

(1) Do not use low rates of sulfonylureas (Ally, Amber, Express, Finesse, Glean, and Harmony Extra) on more mature weeds and/or on dense vegetative growth.

(2) When using formulations other than 4 lb/gal use pounds active/acre listed.

(3) Herbicides with the same active ingredient and/or different formulation may be used.

**SPRING SEEDED BARLEY**

DICAMBA DMA 2# AG MUST BE APPLIED BEFORE SPRING SEEDED BARLEY EXCEEDS THE 4 LEAF STAGE.

**TANK MIX TREATMENTS**

For control of additional broadleaf weeds, DICAMBA DMA 2# AG may be tank mixed with the following herbicides. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled and geographic and other restrictions.

**BROADCAST RATE PER TREATED ACRE:**

Apply 4-6 fluid ounces DICAMBA DMA 2# AG with:

PRODUCT <sup>1</sup>	ACTIVE INGREDIENT	FORMULATION	AMOUNT OF PRODUCT PER ACRE
MCPA amine or ester	MCPA	4 lb/gal	8-12 fl oz (.25 - .375 lb ai/A) <sup>2</sup>
Ally	metsulfuron-methyl	60% DF	1/20 - 1/10 oz
Amber	triasulfuron	75% DF	0.14 - 0.28 oz
Express	thifensulfuron + tribenuron-methyl	75% DF	1/12 - 1/6 oz
Finesse	chlorsulfuron + metsulfuron-methyl	75% DF	1/6 - 1/3 oz
Glean	chlorsulfuron	75% DF	1/6 oz
Harmony Extra	thifensulfuron + tribenuron-methyl	75% DF	1/6 - 1/3 oz
Sencor	metribuzin(3)	75% DF	1 - 10 oz
Buctril	bromoxynil	2 lb/gal	1 - 1 1/2 pt
Bronate	bromoxynil + MCPA	4 lb/gal	3/4 - 1 1/2 pt

(1) Do not use low rates of sulfonylureas (Ally, Amber, Express, Finesse, Glean, and Harmony Extra) on more mature weeds and/or on dense vegetative growth.

(2) When using formulations other than 4 lb/gal use pounds active/acre listed.

(3) Herbicides with the same active ingredient and/or different formulations may be used.



### FALL AND SPRING SEEDED OATS

DICAMBA DMA 2# AG MUST BE APPLIED BEFORE SPRING SEEDED OATS EXCEED THE 5 LEAF STAGE. APPLICATIONS TO FALL SEEDED OATS MUST BE MADE PRIOR TO THE JOINTING STAGE.

### TANK MIX TREATMENTS

For control of additional broadleaf weeds, DICAMBA DMA 2# AG may be tank mixed with the following herbicides. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled and geographic and other restrictions.

#### BROADCAST RATE PER TREATED ACRE:

Apply 4-8 fluid ounces DICAMBA DMA 2# AG with:

PRODUCT	ACTIVE INGREDIENT	FORMULATION	AMOUNT OF PRODUCT PER ACRE
MCPA amine or ester	MCPA	4 lb/gal	8-12 fluid oz (.25 - .375 lb ai/A) <sup>1</sup>

(1) When using formulations other than 4 lb/gal use pounds active/acre listed.

#### PREPLANT/PREEMERGENCE IN NO-TILLAGE CORN

Applications of DICAMBA DMA 2# may be made before, during, or after planting to emerged and actively growing broadleaf weeds. Apply DICAMBA DMA 2# at 2 pints per treated acre on medium or fine textured soils containing 2% or greater organic matter. Use 1 pint per treated acre on coarse textured soils (sand, sandy loam, and loamy sand) or medium and fine textured soils with less than 2% organic matter.

When planting into a legume sod (e.g., alfalfa or clover), apply DICAMBA DMA 2# after 4-6 inches of regrowth has occurred.

#### PREEMRGENCE IN CONVENTIONAL OR REDUCED TILLAGE CORN

DICAMBA DMA 2# may be applied after planting and prior to corn emergence. Application at 2 pints per treated acre may be made to medium or fine textured soils which contain 2% or greater organic matter. DO NOT apply to coarse textured soils (sand, sandy loam, and loamy sand) until after crop emergence (see Early Postemergence uses below).

Preemergence application of DICAMBA DMA 2# does not require mechanical incorporation to become active. A shallow mechanical incorporation is recommended if application is not followed by adequate rainfall or sprinkler irrigation. Avoid tillage equipment (e.g., drags, harrows) which concentrate treated soil over seed furrow.

EARLY POSTEMERGENCE  
(ALL TILLAGE SYSTEMS)

(Spike through 8 inch tall corn)

DICAMBA DMA 2# at 2 pints per treated acre may be applied during the period from corn emergence through the five leaf stage or 8 inches tall, whichever comes first. Reduce the rate to 1 pint per treated acre if corn is growing on coarse textured soils (sand, sandy loam, loamy sand). See Late Postemergence applications given below if the 6<sup>th</sup> true leaf is emerging from Whorl or corn is greater than 8 inches tall.

LATE POSTEMERGENCE  
(ALL TILLAGE SYSTEMS)

(8 to 36 inch tall corn)

Application of DICAMBA DMA 2# at 1 pint per treated acre may be made from 8 to 36 inch tall corn or 15 days before tassel emergence, whichever comes first. For best performance, make applications when weeds are less than 3 inches tall.

Make directed spray application when (1) corn leaves prevent proper spray coverage; (2) sensitive crops are growing nearby; (3) tank mixing with 2,4-D.

DO NOT apply DICAMBA DMA 2# when soybeans are growing nearby if any of these conditions exist:

- corn is more than 24 inches tall
- soybeans are more than 10 inches tall
- soybeans have begun to bloom

OVERLAY (SEQUENTIAL) TREATMENTS

DICAMBA DMA 2# may be applied to ground previously treated with one or more of the following herbicides:

- acetochlor (Harness Plus<sup>®</sup>, Surpass<sup>®</sup>)
- alachlor (Lasso<sup>®</sup>, Lasso MT<sup>®</sup>, Partner<sup>®</sup>)
- Atrazine
- Bicep<sup>®</sup>
- Broadstrike<sup>®</sup>
- Bronco<sup>®</sup>
- Bullet<sup>®</sup>
- Butylate (Sutan+<sup>®</sup>/Genate<sup>®</sup>)
- Clarity<sup>®</sup>
- cyanazine (Bladex<sup>®</sup>)
- dimethenamid (Frontier<sup>®</sup>)
- EPTC (Eradicane<sup>®</sup>)
- Extrazine II<sup>®</sup>
- Guardman<sup>®</sup>
- glyphosate (Roundup<sup>®</sup>)

Lariat®  
Marksman®  
metolachlor (Dual®)  
parquat (Gramoxone®)  
pendimethalin (Prowl®)  
propachlor (Ramrod®)  
simazine (Princep®)  
Surpass® 100

Apply DICAMBA DMA 2# at 1 pint per treated acre to ground previously treated with full rates of CLARITY or MARKSMAN Herbicides. Allow at least 2 weeks between applications.

READ AND FOLLOW LABEL DIRECTIONS FOR EACH OF THE ABOVE PRODUCTS.

#### TANK MIX TREATMENTS FOR CORN

DICAMBA DMA 2# may be tank mixed with one or more of the following herbicides for control of grasses or additional broadleaf weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, and other restrictions.

RATES AND TIMINGS

DICAMBA DMA 2# plus	PREPLANT/ PRE- EMERGENT (NO TILLAGE CORN) DIRECTIONS	PRE- EMERGENT (CONVEN- TIONAL OR REDUCED TILLAGE CORN)	EARLY POST- EMERGENT (ALL TILLAGE SYSTEMS)	LATE POSTEMERGENT (ALL TILLAGE SYSTEMS)	ADDITIONAL
ACCENT® (Nicosulfuron)	--	--	½-1 ounce ai/A	½-1 ounce ai/A (To improve spray coverage of weeds and reduce risk of corn injury, use drop pipes to direct spray beneath corn leaves when corn is greater than 8 inches tall).	Application may be made to emerged weeds before corn is greater than 24 inches tall. Use non-ionic surfactant at .25% (V/V) with this tank mixture.
Atrazine	1 ¼ - 2 lbs. ai/A	1 ¼ - 2 lbs ai/A	1 ¼ - 2 lbs ai/A Crop oil concentr ates may be used with this mixture if corn is 5 inches or less in height.	1 ¼ - 2 lbs ai/A Do not apply if corn is greater than 12 inches tall.	Application may be made before grasses are 1 ½" tall. Follow all state and federal restrictions pertaining to atrazine applications
BEACON® (primisulfuron)	--	--	0.31 - 0.62 ounce ai/A	0.31-0.62 ounce ai/A (to improve spray coverage of weeds and reduced risk of corn injury, use drop pipes to direct spray beneath corn leaves when corn is greater than 8 inches tall)	Application may be made to emerged weeds when corn is 4 to 24 inches tall. Use non-ionic surfactant at .25% (V/V) with this tank mixture.
BLADEX® (cyanazine)	1 ¼-4 lbs. ai/A	1 ¼-4 lbs. ai/A	¼-2 lbs ai/A (use the 90 DF formulat ion only, after corn emergenc e)	--	Application may be made before grasses are 1 ½ inches tall, and before corn is beyond the 4 leaf stage.

DUAL® (metolachlor)	1 ½ - 3 lbs ai/A	1 ½ - 3 lbs. ai/A (use only on fine or medium textured soils with 2 ½% or greater organic matter)	1 ½-3 lbs ai/A	--	Application may be made before grasses reach the 2 leaf stage and before corn is greater than 3 inches tall.
FRONTIER (dimethenamid)	13-25 fl. oz./A	13-25 fl. oz/A (use only on fine or medium textured soils with 2.5% or greater organic matter)	13-25 fl oz/A	--	Application may be made up to 8 inch tall corn. This treatment must be combined with a herbicide that proves post emergence control of grass weeds if they are greater than 1 inch tall at the time of application.
FRONTIER 6.0 (dimethenamid)	16-32 fl. oz/A	16-30 fl. oz/A (use only on fine or medium textured soils with 2.5% or greater organic matter).	16-32 fl. oz/A	--	Application may be made up to 8 inch tall corn. This treatment must be combined with a herbicide that proves post emergence control of grass weeds if they are greater than 1 inch tall at the time of application.
GRAMOXONE® (paraquat)	¼ - 1 lb. ai/A	¼ - 1 lb. ai/A	--	--	Application may be made to emerged weeds but prior to corn emergence.

HARNESS PLUS or SURPASS (acetochlor)	1 1/2 - 3 lb. ai/A	1 1/2 - 3 lbs. ai/A (use only on fine or medium textured soils with 2.5% or greater organic matter)	--	--	Application should be made prior to corn emergence.
LASSO® (alachlor)	1 1/2 - 4 lbs. ai/A	1 1/2 - 4 lbs. ai/A (use only on fine textured soils with 2 1/2% organic matter)	1 1/2-4 lbs. ai/A	--	Application may be made before grasses reach the 2 leaf stage and before corn is greater than 3 inches tall. If microencapsu lated forms ofalachlor are used (Lasso MT, Partner) applications must be made prior to grass emergence.
PRINCEP® (simazine)	2.0 - 3.0 lb. ai/A	2.0 - 3.0 lb. ai/A	--	--	Application may be made prior to corn or weed emergence.
PROWL® (pendimethalin)	--	3/4 - 1 1/2 lbs. ai/A (Use only on fine or medium textured soils with 2 1/2% or greater organic matter)	3/4 - 1 1/2 lbs. ai/A	--	Application may be made immediately after planting but prior to weed emergence. Corn should not be beyond the 2-leaf stage of growth
ROUNDUP® (glyphosate)	1.0-3.0 lbs. ai/A	1.0-3.0 lbs. ai/A	--	--	Application may be made to emerged weeds but prior to corn emergence.

TOUGH 3.75 EC (pyridate)			0.47 lb ai/A	0.47-0.94 lb. ai/A	Applications may be made to emerged, actively growing weeds. (Directed applications are recommended when corn is large enough to prevent proper spray coverage.
2,4-D	¼ - ½ lb. ai/A	¼-1/2 lb. ai/A	Not recommen ded	1/8 lbs. ai/A	Drop pipes are to be used whne corn height is 8 inches or greater. Keeping the spray off the corn leaves and out of the whorl will reduce the likelihood of crop injury and improve spray coverage of weed foliage.

**PREPLANT DIRECTIONS (POST HARVEST/FALLOW/CROP STUBBLE/SET-A-SIDE)**

FOR BROADLEAF WEED CONTROL BEFORE WHEAT, CORN, SORGHUM, SOYBEANS AND COTTON

**IMPORTANT**

Observe all precautions. Read and follow mixing and application instructions.

**WEEDS CONTROLLED**

DICAMBA DMA 2# may be applied alone or in tank mix combinations with other herbicides registered for this use.

DICAMBA DMA 2# can be applied either POST HARVEST in the fall, spring or summer during the FALLOW period or to CROP STUBBLE\SET-A-SIDE acres. DICAMBA DMA 2#, when applied at the recommended rates, will control many ANNUAL broadleaf weeds, see the WEEDS CONTROLLED section under small grains. In addition, DICAMBA DMA 2# will control or suppress the following BIENNIAL and PERENNIAL broadleaf weeds:

Alfalfa (1)	Nightshade, Silver
Artichoke, Jerusalem	Redvine
Bindweed, Field	Smartweed, Swamp
Bindweed, Hedge	Sowthistle, Perennial (1)
Blueweed, Texas	Spurge, Leafy
Bursage, (Bur Ragweed, Povertyweed, Lakeweed) (1)	Thistle, Bull
Dandelion, Common (1)	Thistle, Canada (2)
Dock, Curly (1)	Thistle, Milk
Dogbane, Hemp	Thistle, Musk
Garlic, Wild (2)	Thistle, Plumeless
Horsenettle, Carolina	Thistle, Scotch
Knapweed, Diffuse	Trumpetcreeper (Buckvine)
Knapweed, Spotted	

(1) Perennials may be controlled using DICAMBA DMA 2# at rates lower than those recommended for other listed perennial weeds. (See RATES AND TIMINGS under this heading).

(2) See the SPECIAL TANK MIX TREATMENTS section under this heading for specific control program for these weeds.

#### RATES AND TIMINGS

Apply DICAMBA DMA 2# as a broadcast or spot treatment to emerged and actively growing weeds after crop harvest (post harvest) and before a killing frost or in the fallow cropland or crop stubble the following spring or summer. Agriculturally approved spray additives, such as surfactants or oils, may be used to enhance spray coverage and the herbicide's penetration of weeds foliage. See CROPPING RESTRICTIONS for recommended interval between application and planting to prevent crop injury.

For best performance, make application when ANNUAL weeds are less than 6 inches tall, when BIENNIAL weeds are in the rosette stage and to PERENNIAL weed regrowth in late summer or fall following a mowing or tillage treatment. Most effective control of upright perennial broadleaf weeds, such as Canada thistle and Jerusalem artichoke, occurs if application is made when the majority of weeds are 8 inches or taller. Viney perennial broadleaf weeds, such as field bindweed and hedge bindweed, are best controlled when weeds are in or beyond the full bloom stage.



Avoid disturbing treated areas following application. Treatments may not kill weeds which develop from seed or underground plant parts, such as rhizomes or bulblets, after the effective period for DICAMBA DMA 2#. For seedling control, a follow-up program or other cultural practices could be instituted. For small grain in-crop uses of DICAMBA DMA 2#, see the RATES AND TIMINGS section under the SMALL GRAINS heading for details.

**DICAMBA DMA 2# RATES PER TREATED ACRE:**

<b>Weed Type</b>	<b>Amount of Product Per Acre</b>
Annual	½ - 2 pts (8 - 32 fluid oz.)
Biennial	2 - 4 pts (32 - 64 fluid oz.)
Perennial	2 - 8 pts (32 - 128 fluid oz.)
Perennial Suppression	2 - 4 pts (32 - 64 fluid oz.)
Noted (1) perennials	4 - 8 pts (64 - 128 fluid oz.)
Other Perennials	8 pts (128 fluid oz.)

Retreatments may be made as needed; however, do not exceed a total of 8 pints of DICAMBA DMA 2# per treated acre during any given fallow period.

**TANK MIX TREATMENTS**

DICAMBA DMA 2# may be tank mixed with one or more of the following herbicides for control of grasses or additional broadleaf weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, weeds controlled and geographic or other restrictions.

**DICAMBA DMA 2# BROADCAST RATE PER TREATED ACRE FOR ANNUAL WEED CONTROL:**

Apply 1/2 -2 pints DICAMBA DMA 2# with:

PRODUCT	ACTIVE INGREDIENT	FORMULATION	AMOUNT OF PRODUCT PER ACRE
Aatrex 4L <sup>1</sup>	atrazine	4 lb/gal	1/2 -6 pts.
Aatrex Nine-O <sup>1</sup>	atrazine	90%DF	1/2 -3.3 lbs.
Amber <sup>2</sup>	triasulfuron	75%DF	0.28 - 0.35 oz.
Ally <sup>2</sup>	metsulfuron- methyl	75%DF	1/10 oz.
Bladex <sup>1</sup>	cyanazine	90%DF	2.7 - 3.6 lbs.
Cyclone <sup>1</sup>	paraquat	2 lb/gal	1 - 2 pts.
Fallow Master <sup>1</sup>	glyphosate + dicamba	1.6 lb/gal	22 - 44 fl. Oz.
Finesse <sup>2</sup>	chlorsulfuron + metsulfuron-methyl	75%DF	.2 oz.
Gramoxone <sup>1</sup> Extra	paraquat	2.5 lb/gal	1.5 pts.
Kerb <sup>1</sup>	pronamide	50-W	1/2 - 1.0 lb
Landmaster BW <sup>1</sup>	glyphosate + 2,4-D	2.4 lb/gal	27 - 54 fl. oz.
Roundup <sup>1</sup> or Roundup RT	glyphosate	3 lb/gal	8 - 48 fl. oz.
Sencor DF <sup>1</sup>	metribuzin	75%DF	1/2 - 1 lb.
Sencor 4 <sup>1</sup>	metribuzin	4 lb/gal	3/4 1 1/2 pts.
2,4-D	2,4-D	4 lb/gal	1-2 pts. (0.5-1 lb. ai/A) <sup>3</sup>

(1) Tank mixes of DICAMBA DMA 2# with these products may be subject to special restrictions. See the Product Label of the tank mix partner for intended use rates, restrictions and other precautions.

(2) When tank mixing with sulfonylurea herbicides refer to the product label for rates and restrictions. Use a surfactant of at least 80% active ingredient at the rate of 1-2 quarts/100 gallons of spray or not more than 0.25 - 0.5% by volume. Use the highest rate of surfactant when using the lower rate ranges of the tank mix and/or when treating more mature weeds or dense vegetative growth. Sulfonylurea resistant weeds may not be controlled by tank mixes of

DICAMBA DMA 2# and a sulfonylurea. Refer to the DICAMBA DMA 2# tank mix section for alternative tank mixes.

(3) When using formulations other than 4 lb/gal use pounds active/acre listed.

**DICAMBA DMA 2# AG BROADCAST RATE PER TREATED ACRE FOR BIENNIAL AND PERENNIAL WEED CONTROL:**

Apply 2 to 8 pints of DICAMBA DMA 2# AG with:

PRODUCT	ACTIVE INGREDIENT	FORMULATION	AMOUNT OF PRODUCT PER ACRE
Curtail®	clopyralid + 2,4-D	2.38 lb/gal	2 - 4 pts
2,4-D	2,4-D	4 lb/gal	2 - 6 pts (1.0 - 3 lb ai/A) <sup>i</sup>
Landmaster BW	glyphosate + 2,4-D	2.4 lb/gal	54 fl oz
Roundup	glyphosate	3.0 lb/gal	1 - 5 qts
Roundup RT	glyphosate	3.0 lb/gal	1 - 5 qts
Tordon 22K®	picloram	2 lb/gal	1/2 - 1 pt

(1) When using formulations other than 4 lb/gal use pounds active/acre listed.

**SPECIAL TANK MIX TREATMENTS**

For suppression of perennial weeds, apply 1-2 pints of DICAMBA DMA 2# AG with 8-16 fluid ounces of Roundup Herbicide or Roundup RT per treated acre.

For wild garlic control, apply 2 pints of DICAMBA DMA 2# AG with 3 pints of 2,4-D LV Ester (4 lb/gal) per treated acre. Apply when wild garlic is 4 to 8 inches tall.

For Canada thistle control, use DICAMBA DMA 2# AG, DICAMBA DMA 2# AG plus Curtail, or DICAMBA DMA 2# AG plus Roundup Herbicide or Roundup RT tank mix treatments.

Application may be made during fallow periods for control of volunteer barley, bulbous bluegrass, downy brome, jointed goatgrass, common rye and volunteer wheat when they are actively growing. Use 2 pints DICAMBA DMA 2# AG with 1/2 to 1 lb. Kerb 50W. Fall seeded wheat may be planted 9 months or more after application. For best performance, make application between mid-October and mid-December, prior to soil freeze up.

During fallow periods, apply DICAMBA DMA 2# AG plus Landmaster BW or Fallowmaster Herbicide to give improved control of kochia, wild buckwheat, prickly lettuce, field bindweed and Canada thistle. Use 1/4- 1/2 pint of DICAMBA DMA 2# AG plus 22-54 fluid ounces of Landmaster BW or Fallowmaster Herbicide for annual weed control or 1/2-1 pint DICAMBA DMA 2# AG plus 22-54 fluid ounces of Landmaster BW or Fallowmaster Herbicide for perennial weed suppression.

**CROPPING RESTRICTIONS**

The following recommendations are based on DICAMBA DMA 2# AG use rates up to 8 pints (2 lbs. a.i.) per treated acre.

CORN, COTTON, SORGHUM, and SOYBEANS may be planted in the spring following applications made during the previous year. If less than 1 inch of rainfall occurs between application and first killing frost, treated areas should be cultivated to allow herbicide to come in contact with moist soil. Cultivation may take place before or immediately after ground thaw.

Soybean or cotton injury may occur if the interval between application and planting is less than specified. In areas with greater than 30 inches of rainfall, delay planting for 15 days per pint of DICAMBA DMA 2# AG per treated acre. In areas with less than 30 inches of rainfall, delay planting for 23 days per pint of DICAMBA DMA 2# AG per treated acre. Exclude days when ground is frozen.

Do not use treated cotton as a livestock feed item.

WHEAT may be planted in the fall or spring following applications. Also, spot applications may be made any time prior to crop emergence if crop injury can be tolerated in treated areas. Wheat injury may occur if the interval between application and planting is less than specified.

East of the Mississippi River, the interval is 10 days per pint of DICAMBA DMA 2# AG per treated acre or 1 day per 1.5 ounces. Moisture is essential for DICAMBA DMA 2# AG degradation. Exclude days when ground is frozen.

West of the Mississippi River, the interval is 23 days per pint of DICAMBA DMA 2# AG per treated acre or 1 1/2 days per ounce. Moisture is essential for DICAMBA DMA 2# AG degradation. Exclude days when ground is frozen.

Following a normal harvest of barley, oats or wheat, any rotational crop may be planted. If the interval before harvest is shortened, such as when cover crops will be plowed under, do not follow up with the planting of a sensitive crop.

**CONTROL OF PERENNIAL BROADLEAF WEEDS IN CROPLAND OR FALLOW (SPOT APPLICATION ONLY)**

For Use Only in the States of Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, North Dakota, Oregon, South Dakota, Utah, Washington and Wyoming.

**IMPORTANT**

Observe all precautions. Read and follow mixing and application instructions.

Do not treat subirrigated cropland or areas where the soil remains saturated with water throughout the year.

Make only one application of DICAMBA DMA 2# AG per year.

**WEEDS CONTROLLED**

DICAMBA DMA 2# AG, when applied at recommended rates, will control many broadleaf weeds including:

- |                              |                   |
|------------------------------|-------------------|
| Bindweed, Field              | Knapweed, Russian |
| Dock, Broadleaf (Bitterdock) | Ragwort, Tansy    |
| Dock, Curly                  | Spurge, Leafy     |
| Knapweed, Black              | Thistle, Canada   |

**RATES AND TIMINGS**

DICAMBA DMA 2# AG may be applied at any time following a crop harvest to stubble fallow or other cropland. Application should be made when weeds are actively growing and prior to a killing frost.

Apply 4 quarts (2 lbs. a.i.) of DICAMBA DMA 2# AG per treated acre. Application may be made up to one month prior to the planting of wheat.

Note: Do not use unless injury to wheat or rotated barley will be acceptable.

Barley, oats, corn, sorghum (milo), annual or perennial grass crops may be planted into treated areas one year after application. Crops grown for seed (other than perennial grass seed) should not be planted into treated areas until three years after application. Do not plant broadleaf crops such as alfalfa, beans, peas, potatoes, or sugarbeets into treated areas until two years after application.

In most cases, treatments will not kill perennial weed seedlings which germinate from seed one or two years after treatment. Once the effect of the chemical has been lost, a follow-up program for seedling control or other cultural practices should be instituted.

**GRASS SEED CROPS**

Grasses Grown for Seed such as Bermuda grass, Bluegrass, Fescue and Ryegrass

**IMPORTANT**

Observe all precautions. Read and follow cleaning, mixing and application instructions.

Refer to the SMALL GRAINS SECTION FOR GRAZING RESTRICTIONS IF GRASS SEED FIELDS ARE GROWN FOR PASTURE OR HAY.

Do not use on bentgrass unless possible crop injury can be tolerated.

**WEEDS CONTROLLED**

DICAMBA DMA 2# AG will provide control or suppression of annual broadleaf weeds listed below. For improved control of listed weeds plus additional weeds, it is recommended that DICAMBA DMA 2# AG be applied in a tank mix with other herbicides.

- |                          |                            |
|--------------------------|----------------------------|
| Alfalfa(1)               | Hemlock, Poison            |
| Bedstraw, Catchweed      | Knapweed, Russian(1)       |
| Bindweed, Field          | Knawel                     |
| Buttercup, Corn          | Knotweed, Prostrate        |
| Buttercup, Creeping      | Kochia                     |
| Buttercup, Western Field | Ladysthumb                 |
| Catchfly, Nightflowering | Lambsquarters, Common      |
| Chamomile, Corn          | Lettuce, Prickly           |
| Chickweed, Common        | Mayweed (Dogfennel)        |
| Chickweed, Mouseear      | Ragwort, Tansy             |
| Clover                   | Sorrel, Red (Sheep Sorrel) |
| Cockle, White            | Sowthistle, Annual         |
| Dock, Broadleaf          | Starwort, Little           |
| Dock, Curly              | Thistle, Canada(1)         |

(1) Top growth only.

**RATES AND TIMINGS**

Apply 1 to 2 pint of DICAMBA DMA 2# AG per treated acre on SEEDLING GRASS after the crop reaches the 3-5 leaf stage. Apply up to 4 pints of DICAMBA DMA 2# AG on well-established Perennial grass. DO NOT APPLY AFTER THE GRASS SEED CROP BEGINS TO JOINT. For best performance, make applications when weeds are in the 2-4 leaf stage and rosettes are less than 2 inches across. Use the higher level of listed rate ranges when treating more mature weeds or dense vegetative growth.

### TANK MIX TREATMENTS

For control of grasses or additional broadleaf weeds, DICAMBA DMA 2# AG may be tank mixed with all broadleaf herbicides registered for use in Grass Seed Production. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled and geographic and other restrictions.

#### BROADCAST RATE PER TREATED ACRE:

Apply 1 to 4 pints DICAMBA DMA 2# AG with:

PRODUCT	ACTIVE INGREDIENT	FORMULATION	AMOUNT OF PRODUCT PER ACRE
2,4-D amine or ester	2,4-D	4 lb/gal	1 - 4 pts (.5 - 2.0 lb ai/A) (1)
MCPA amine	MCPA	4 lb/gal	1 - 2 pts (.5 - 1.0 lb ai/A) (1)
Buctril	bromoxynil(2)	2 lb/gal	1 - 2 pts
Curtail	clopyralid + 2,4-D	2.38 lb/gal	1 3/4 - 4 pts
Karmex	diuron(2)	80% DF	2 - 4 lbs
Stinger	clopyralid	3 lb/gal	1/4 - 1 pt

(1) When using formulations other than 4 lb/gal use pounds active/acre listed.

(2) Herbicides with the same common name and/or different formulations may be used.

### ANNUAL GRASS CONTROL

For suppression of ANNUAL GRASS WEEDS such as:

- Brome, Downy (Cheatgrass)
- Brome, Ripgut
- Fescue, Rattail
- Windgrass

Apply up to 8 pints of DICAMBA DMA 2# AG per treated acre in the fall or late summer after harvest and burning of established grass seed crops. Applications should be made immediately following the first irrigation when the soil is moist and before weeds have more than 2 leaves.

**GEOGRAPHICAL RESTRICTIONS**

For use in the State of Idaho, Union County Oregon, and the counties of Spokane, Whitman, Lincoln, Adams, Garfield, Asotin, Columbia, Walla Walla, Stevens, Ferry and Franklin in the State of Washington.

**SUGARCANE**

Observe all precautions on pages xxx. Read and follow mixing and application instructions on pages xxx.

Consult your local or state authorities for possible application restrictions, especially concerning aerial applications and advice concerning special local use situations.

**WEEDS CONTROLLED**

DICAMBA DMA 2# AG, when applied at recommended rates, will control many ANNUAL, BIENNIAL and PERENNIAL broadleaf weeds commonly found in sugarcane. (Refer to GENERAL WEED LIST on pages xxx).

**RATES AND TIMING**

Application of DICAMBA DMA 2# AG may be made any time after weeds have emerged and are actively growing but before the close-in stage of sugarcane. Application rates and timing of DICAMBA DMA 2# AG are given below. Use the higher level of listed rate ranges when treating dense vegetative growth.

Weed Stage & Type	Broadcast Rate Per Treated Area	
	Amount Product	Lbs. a.i.
Annual		
-Small, actively growing	1 - 2 pts	1/4 - 1/2
-Established weed growth	2 - 3 pts	1/2 - 3/4
Biennial	2 - 4 pts	1/2 - 1
Perennial	4 - 8 pts	1 - 2

\*Application made over the top of actively growing sugarcane may result in crop injury.

When possible, direct the spray beneath the sugarcane canopy in order to minimize the likelihood of crop injury. The use of directed sprays will also aid in maximizing spray coverage of weed foliage.

Retreatments may be made as needed, however, do not exceed a total of 8 pints (2 lbs a.i.) of DICAMBA DMA 2# AG per treated acre during a growing season.



**TANK MIX TREATMENTS**

DICAMBA DMA 2# AG may be tank mixed with one or more, of the following herbicides for control of grasses or additional broadleaf weeds. Read and follow the label of each tank mix product used for precautionary statements, directions for use, rates and timings, weed controlled, geographic and other restrictions.

Herbicide	Rate Per Treated Acre (lbs a.i.)
ametryn (Evik)	2/5 to 8
asulam (Asulox)	2 to 3 1/3
atrazine	2/5 to 4
2,4-D	1/2 to 3*

\*Application of DICAMBA DMA 2# AG plus 2,4-D tank mix at the higher listed rate ranges may result in crop injury.

**STORAGE AND DISPOSAL**

**PROHIBITIONS**

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

**STORAGE**

Store in original container in a well-ventilated area separately from fertilizer, feed and foodstuffs. Avoid cross-contamination with other pesticides. Spillage or leakage should be contained and absorbed with clay granules, sawdust, or equivalent material for disposal.

**PESTICIDE DISPOSAL**

Triple rinse pesticide from containers and use rinsates in the pesticide application. Wastes which cannot be used according to label instructions may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL**

Plastic or Metal: After triple rinsing (or equivalent), offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities, such as burning of plastic containers. If burned, stay out of smoke.

**BULK STORAGE AND DISPOSAL:**  
**To be printed on labeling for bulk use only**  
**AGITATE BEFORE USE**

**STORAGE AND DISPOSAL**

**PROHIBITIONS**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. This product may not be mixed, loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sinkholes.

**STORAGE**

Ground water contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

**PESTICIDE DISPOSAL**

Pesticide spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal and local procedures under Subtitle C of the Resource Conservation and Recovery Act.

**BULK TANK MAINTENANCE**

Follow clean-out directions in the Dealer Bulk Handling Guide for DICAMBA DMA 2# AG Herbicide listed under Bulk Storage Tank Requirements.

**GENERAL**

Consult Federal, State, or local disposal authorities for approved alternative procedures, such as limited burning.

**LIMITATION OF WARRANTY AND LIMITATION OF LIABILITY**

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

It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Micro Flo or seller. All such risks shall be assumed by buyer or user.

Micro Flo warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, under normal use conditions, subject to the risks described above. **Micro Flo makes no other express or implied warranty of fitness or of merchantability or any other express or implied warranty.**

In no event shall Micro Flo or seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **The exclusive remedy of the user or buyer, and the exclusive liability of Micro Flo or seller for any and all claims, losses, injuries or damages (including claims based on breach of warranty, contract, negligence, tort, strict liability or otherwise) resulting from the use or handling of this product, shall be the return of the purchase price of the product or, at the election of Micro Flo or seller, the replacement of the product.**

Micro Flo and seller offer this product, and buyer and user accept it, subject to the foregoing limitations of warranty and limitation of liability, which may not be modified by any oral or written agreement.

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