Dow AgroSciences

DMA® 4 IVM

Herbicide

For selective control of many broadleaf weeds in certain crops, orchard floors, fallow cropland, forests, grass pastures, rangeland, Conservation Reserve Program acres, ornamental turfgrass (including turfgrass grown for sod or seed), non-cropland and aquatic areas. Also for control of trees by injection.

Active Ingredient:
2,4-Dichlorophenoxyacetic acid, dimethylamine salt ........................................ 46.3%
Other Ingredients .................................................. 53.7%
Total ........................................................................... 100.0%
2,4-dichlorophenoxyacetic acid - 38.4% - 3.8 lb/gal

Keep Out of Reach of Children

DANGER PELIGRO
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.)

Agricultural Use Requirements
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

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Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Net Contents 2.5 gal
Herbicide

For selective control of many broadleaf weeds in certain crops, orchard floors, fallow cropland, forests, grass pastures, rangeland, Conservation Reserve Program acres, ornamental turfgrass (including turfgrass grown for sod or seed), non-cropland and aquatic areas. Also for control of trees by injection.

Active ingredient:
- 2,4-Dichlorophenoxyacetic acid: 48.2%
- Dimethylamine salt: 51.8%

Other ingredients: 53.2%

Total: 100.0%

2,4-Dichlorophenoxyacetic acid: 38.4% - 3.8 lb/gal

Keep Out of Reach of Children

DANGER PELIGRO

Sprayed or entering a label, person should not use or dispose of the product. If you do not understand the label, find someone to explain it to you in detail.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to the label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

For additional Precautionary Statements, First Aid, Storage and Disposal and other use information see inside this label.

Notice: Read the entire label. Use only according to label directions. Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.

In case of emergency endangering health or the environment involving this product, call 1-800-358-7355 or Twitter DMASafety.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-3

EPA Ed. 404-MI-1

900-016823 / 001646857

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9330 Zionsville Road

Indianapolis, IN 46268

Net Contents: 2.5 gal
Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER
Corrosive • Causes Irreversible Eye Damage • Harmful If Swallowed, Inhaled Or Absorbed Through The Skin
Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling.

Personal Protective Equipment (PPE)
Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical resistance category selections chart.

All pilots must wear:
• Long-sleeved shirt and long pants
• Shoes plus socks

All mixers, loaders, flaggers, other applicators and handlers must wear:
• Long-sleeved shirt and long pants
• Shoes plus socks
• Chemical-resistant gloves
• Protective eyewear
• Chemical resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate

See engineering controls for additional requirements.

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

Engineering Controls
When handlers use closed systems or enclosed cabs 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.

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)].

User Safety Recommendations

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

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 eyes. 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Environmental Hazards
This product is toxic to fish and aquatic invertebrates. For terrestrial uses: Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift or runoff may adversely affect aquatic invertebrates and non-target plants. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment washwaters or rinsates.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

Aquatic Weed Control: Fish breathe dissolved oxygen in the water and decaying weeds also use oxygen. When treating continuous, dense weed masses, it may be appropriate to treat only part of the infestation at a time. For example, apply the product in lines separated by untreated strips that can be treated after vegetation in treated lines has disintegrated.

During the growing season, weeds decompose in a 2 to 3 week period following treatment. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Waters having limited and less dense weed infestations may not require partial treatments.

Directions for Use
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying. 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 users 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 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:
- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear

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

Early Entry Restrictions for Non-WPS Uses: Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

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

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

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinse water 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 Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recirc. Shake for 10 seconds. Pour rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Product Information
DMA® 4 IVM herbicide is intended for selective control of many broadleaf weeds in certain crops (cereal grains, corn, grain sorghum, soybeans and sugar cane), orchard floors (some fruit, including apples and pears, stone fruit, nut orchards and plums), fallow cropland, forests, grass pastures, rangeland, Conservation Reserve Program acres, ornamental turfgrass (including turfgrass grown for sod or seed), non-cropland and aquatic areas. Also for control of trees by injection.

Apply DMA 4 IVM as a water or oil/water spray during warm weather when target weeds or woody plants are actively growing. Application under drought conditions will often give poor results. Use low spray pressure to minimize drift. Generally, the lower dosages specified on this label will be satisfactory for young, succulent growth of susceptible weed species. For less susceptible species and under conditions where control is more difficult, use higher specified rates. Deep-rooted perennial weeds such as Canada thistle and field bindweed and many woody plants usually require repeated applications for satisfactory control. Consult your State Agricultural Experiment stations or Extension Service Weed Specialist for recommendations from this label that best fit local conditions.

Use Precautions and Restrictions
Be sure that use of DMA 4 IVM conforms to all application regulations.

Chemigation: Do not apply this product through any type of irrigation system. Excessive amounts of 2,4-D in the soil may temporarily inhibit seed germination and plant growth.


Spray Drift Management
A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.
Droplet Size
When applying sprays that contain 2,4-D as the sole active ingredient, or when applying sprays that contain 2,4-D mixed with active ingredients that require a coarse or coarser spray, apply only as a medium or more fine spray, apply only as a medium or coarser spray (ASABE Standard 572) or a volume mean diameter of 385 microns or greater for spinning atomizer nozzles.

When applying sprays that contain 2,4-D mixed with other active ingredients that require a medium or more fine spray, apply only as a medium or coarser spray (ASABE Standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Wind Speed
Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition and there are no sensitive areas (including residential areas, bodies of water, known habitat for non-target species, non-target crops) within 250 feet downwind. If applying a medium spray, leave one swath unsprayed at the downwind edge of the treated field.

Temperature Inversions
If applying at wind speeds less than 3 mph, the applicator must determine if conditions of temperature inversion exist, or if stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Susceptible Plants
Do not apply under circumstances where spray drift may occur to food, forage, or other plants that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include cotton, okra, flowers, fruit trees, grapes (in growing season), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that may not be visible may injure susceptible broadleaf plants.

Other State and Local Requirements
Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

Equipment
All aerial and ground equipment used in application of 2,4-D herbicides must be properly maintained and calibrated using appropriate carriers or surrogates.

Aerial Application
The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. This requirement does not apply to forestry or rights-of-way applications. When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this by adjusting the path of the aircraft upward.

Groundboom Application
Do not apply with a nozzle height greater than 4 feet above the crop canopy.

Mixing
Mix DMA 4 LVM only with water unless otherwise directed on this label. Add about half of the water to the mixing tank, then add the DMA 4 LVM with agitation, and finally the rest of the water with continuing agitation.

Note: Adding oil, wetting agent, or other surfactant to the spray mixture may increase effectiveness on weeds, but it may reduce selectivity to crops resulting in crop damage.

Tank Mixing: When tank mixing, read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled, and geographic and other restrictions. Use in accordance with the most restrictive of label limitations and precautions. Do not exceed any active-ingredient's maximum use rates when tank mixing. Do not tank mix this product with any product containing a label prohibition against tank mixing with 2,4-D.

Tank Mix Compatibility Testing: A jar test is recommended prior to tank mixing to ensure compatibility of this product and other pesticides. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If the mixture ball-ups, forms flocs, sludges, jets, oily films or layers, or other precipitates, it is not compatible and the tank mix combination should not be used.

Mixing with Liquid Nitrogen Fertilizer
This product may be combined with liquid nitrogen fertilizer suitable for foliar application to accomplish broadleaf weed control and fertilization of corn, small grains or pastures in a single operation. Use DMA 4 LVM in accordance with directions for these crops provided in this label. Use liquid fertilizer at rates recommended by the supplier or Extension Service Specialist. Test for mixing compatibility as described above before mixing in spray tank. A compatibility aid such as Unite or Compox may be needed in some situations. Compatibility is best with liquid fertilizer solutions containing only nitrogen. Mixing with N-P-K solutions may not be satisfactory, even with the addition of a compatibility aid. Pre-mixing 1 part DMA 4 LVM with up to 4 parts water may help in situations when mixing difficulty occurs.

Fill the tank about half full with the liquid fertilizer, then add the required amount of DMA 4 LVM with agitation. Maintain agitation and complete filling the tank with liquid fertilizer. Apply immediately and continue agitation in spray tank during application. Do not store the spray mixtures. Application during very cold weather (near freezing) is not advisable.

Sprayer Clean Out
To avoid injury to desirable plants, equipment used to apply this product should be thoroughly cleaned before re-use or applying other chemicals.

1. Rinse and flush application equipment thoroughly after use at least three times with water. Dispose of all rinse water by application to treatment area or apply to non-crop land area away from water supplies.
2. During the second rinse, add 1 quart of household ammonia for every 25 gallons of water. Circulate the solution through the entire system so that all internal surfaces are contacted (15 to 20 min). Let the solution stand for several hours, preferably overnight.

3. Flush the solution out of the spray tank through the boom.
4. Rinse the system twice with clean water, recirculating and draining each time.
5. Remove nozzles and screens and clean separately.
6. If equipment is to be used to apply another pesticide or agricultural chemical to a 2,4-D susceptible crop, additional steps may be required to remove all traces of 2,4-D, including cleaning of disassembled parts and replacement of hoses or other fittings that may contain absorbed 2,4-D.

**Application**

Apply with calibrated air or ground equipment using sufficient spray volume to provide adequate coverage of target weeds or as otherwise directed in specific use directions. For broadcast application, use a spray volume of 3 gallons or more per acre by air and 10 gallons or more per acre for ground equipment. Where states have regulations which specify minimum spray volumes, they should be observed. In general, spray volume should be increased as crop canopy, height and weed density increase in order to obtain adequate spray coverage. Do not apply less than 3 gallons total spray volume per acre.

**Rate Ranges and Application Timing**

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 2,4-D IVM during warm weather when weeds are young and actively growing.

**Spot Treatments**

To prevent missapplication, spot treatments should be applied with a calibrated boom or with hand sprayers using a fixed spray volume per 1000 sq ft as indicated below.

**Hand-Held Sprayers**

Hand-held sprayers may be used for spot applications of 2,4-D IVM. Care should be taken to apply the spray uniformly and at a rate equivalent to a broadcast application. Application rates in the table are based upon the application rate for an area of 1000 sq ft. Mix the amount of 2,4-D IVM (fl oz or ml) corresponding to the desired broadcast rate in 1 to 3 gallons of spry. To calculate the amount of 2,4-D IVM required for larger areas, multiply the table value (fl oz or ml) by the thousands of sq ft to be treated. An area of 1000 sq ft is approximately 10.5 X 10.5 yards (strides) in size.

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**Rate Conversion Table for Spot Treatment:**

<table>
<thead>
<tr>
<th>Label Broadcast Rate (pint/acre)</th>
<th>1/2</th>
<th>2/3</th>
<th>3/4</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4 fl oz (5.5 ml)</td>
<td>X Broadcast rate = Band rate per acre</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>1/3 fl oz (7.3 ml)</td>
<td>X Broadcast volume per acre</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/8 fl oz (11 ml)</td>
<td>X Broadcast volume per acre</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>3/4 fl oz (22 ml)</td>
<td>X Band volume per treated acre</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 fl oz (35 ml)</td>
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<tr>
<td>1 1/2 fl oz (44 ml)</td>
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<tr>
<td>3 fl oz (88 ml)</td>
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<td></td>
</tr>
</tbody>
</table>

**Conversion factors:** 1 fl oz = 29.6 (30 ml)

**Band Application:** D 4 IVM may be applied as a band treatment. Use the formulas below to determine the appropriate rate and volume per treated acre.

- **Band width in inches**
- **Row width in inches**
- **X Band volume per acre**
- **Broadcast volume per acre**
- **Band volume per treated acre**

**Weeds Controlled**

### Annual or Biennial Weeds

- beggarstrokes
- bittersweet, smallflowered bitterweed
- broomweed, common
- burdock, common
- buttercup, smallflowered carpetweed
- cinquefoil, common cinquefoil, rough
- corkbroom, common
- coffeeweed
- copperleaf, Virginia
- croton, Texas
- croton, woolly
- moustard
- mustard (except blue mustard)
- parsnip, wild
- pennycress, field
- pepperweed
- pigweeds (Amaranthus spp.)
- pigweed
- primrose, common
- purslane, common
- puley, Florida
- radish, wild
- ragweed, common
- rape, wild
- rocket, yellow
- salvia, common
- salvia, western
- shepherdspurse
- sicklepod
- smartweed (annual species)
- sneezeweed, bitter
- sowthistle, annual
- sowthistle, spiny
- spanishneedles
- sunflower
- sweetclover
- tansy mustard
- thistle, bull
- thistle, musk
- thistle, Russian (bumbleweed)
- velvetleaf
- vetches

### Perennial Weeds

- alfalfa
- artichoke, Jerusalem
- aster, many-flower
- Austrian fieldcress
- bindweed (hedge, field and European)
- blue lettuce
- eveningprimrose, cutleaf
- garlic, wild
- goldenrod
- hawkweed, orange
- hoary
- ironweed, western
- ivy, ground
Perennial Weeds (Cont.)
blueweed, Texas
broadleaf
bullnettle
burdock
chaparral
chickory
clover, red
cookers
creets, hoary
dandelion
dock
dogwood
Jerusalem artichoke
lack, bigbend
nettle (including stinging) or
onion, wild
pennywort
plantains
rape, tansy
sowthistle, perennial
thistle, Canada
veronica
waterplantain
wormwood
1These weeds are only partially controlled and may require repeat applications and/or use of higher specified rates of this product even under ideal conditions of application.

Specific Use Directions

Agricultural Use Requirements for Crops: For the following crop uses, follow PRE and re-entry instructions in the Agricultural Use Requirements section of this label.

Cereal Grains (Wheat, Barley, Millet, Oats, and Rye)

<table>
<thead>
<tr>
<th>Crop</th>
<th>Application Timing</th>
<th>DMA 4 IVM (pint/acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>spring post-emergence (wheat, barley, millet, rye) (fall)</td>
<td>2/9 - 1 1/3 1/2 - 1</td>
<td>Apply when weeds are small and actively growing. Use the lower rate in the rate range for small, rapidly growing annual or biennial weeds and a higher rate in the rate range for perennial weeds or for annual or biennial weeds in advanced growth stages or when growing conditions are less than ideal. Postemergence: Apply after crop is fully tillered, usually 4 to 6 inches tall but not forming joints in the stems. Preharvest: Apply using air or ground equipment when crop is in dough stage of grain development to control or suppress weeds that might interfere with harvest.</td>
<td></td>
</tr>
<tr>
<td>pre-harvest (dough stage) (all cereals)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Precautions:
- Up to 2.5 pints per acre may be applied postemergence to wheat, barley, rye, and millet. However, there is greater risk of crop injury at rates greater than 1 1/3 pints per acre and such rates should be used only when the need for weed control justifies additional cost to the crop.
- Do not apply DMA 4 IVM at the crop seeding stage of growth prior to tillering or from early boot forming joints in the stem) through milk stage of grain development. Consult state agricultural experiment stations or extension service weed specialists for recommendations or suggestions to fit local conditions.
- Do not apply if crop is underseeded with legumes.

Restrictions:
- Preharvest interval: Do not harvest for 14 days after application.
- Do not apply more than 0.68 pints of DMA 4 IVM (1.75 lb of acid equivalent) per acre per use season.
- Limit use to no more than one post-emergence application and one pre-harvest application per crop season.

Corn (Field Corn, Popcorn and Sweet Corn)

<table>
<thead>
<tr>
<th>Application Timing/Stage of Growth</th>
<th>DMA 4 IVM (pint/acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>preplant (burndown) preemergence (field corn, popcorn, and sweet corn)</td>
<td>1 - 2</td>
<td>Use a high rate in the rate range for less susceptible weeds or cover crops, weeds in advanced stages of development, or under less favorable growing conditions. Preplant: Apply 7 to 14 days before planting corn to control emerged broadleaf weed seedlings or existing cover crops. Preemergence: Apply any time after planting, but before corn emerges to control broadleaf weed seedlings or existing cover crops.</td>
</tr>
<tr>
<td>postemergence (field corn, popcorn, and sweet corn) annual broadleaf weeds crop up to 8 inches tall crop 8 inches tall to tasseling (directed spray only) perennial broadleaf weeds</td>
<td>1/2 - 1 1</td>
<td>Apply when weeds are small and corn is less than 6 inches tall (top of crop canopy). If corn is more than 6 inches tall, use drop nozzles and directed sprays to keep spray off foliage. Treat perennial weeds when they are in bud to bloom stage. Do not apply from tasseling to hard dough stage.</td>
</tr>
<tr>
<td>preharvest (field corn and popcorn only)</td>
<td>up to 3</td>
<td>Apply after corn is in hard dough (or denting) stage. Do not apply preharvest to sweet corn</td>
</tr>
</tbody>
</table>

Pecatations:
- Preplant or preemergence applications to light sandy soils is not recommended.
- Corn hybrids vary in tolerance to 2,4-D. Some are easily injured. Apply only to 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.

Note: Corn treated with 2,4-D may exhibit stem brittleness for 8 to 10 days following application. During this period, the crop is more susceptible to stem breakage from cultivation or wind.

Restrictions (Field Corn and Popcorn):
- Preharvest Interval: Do not harvest for grain or fodder within 7 days after application.
- Do not apply more than one preplant or preemergence application, one postemergence application, and one preharvest application per acre per use season.
- Do not apply more than 6.32 pints of DMA 4 IVM (3 lb of acid equivalent) per acre per use season.

Restrictions (Sweet Corn):
- Preharvest Interval: Do not harvest ears within 45 days after application.
- Do not apply treated corn as fodder for 7 days following application.
- Do not make a preemergence application any less than 21 days after a prior application.
- Do not make more than one preplant or preemergence application per use season.
- Do not apply more than 3.16 pints of DMA 4 IVM (1.5 lb of acid equivalent) per acre per use season.

Fallow Land and Crop Stubble
Fallow land is idle land, postharvest to crops or between crops.

<table>
<thead>
<tr>
<th>Type of Weeds (Cont.)</th>
<th>DMA 4 IVM (pint/acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>perennial broadleaf weeds</td>
<td>2 - 4</td>
<td>Apply when perennial weeds are in bud to early bloom stage or while in good vegetative growth.</td>
</tr>
<tr>
<td>wild garlic and onion in crop stubble</td>
<td>4</td>
<td>Apply to new regrowth of wild garlic or onion which occurs in the fall after harvest of small grains, corn or grain sorghum.</td>
</tr>
</tbody>
</table>

Precaution: For best weed control results, do not cultivate for at least 2 weeks after application or until top growth is dead.

Restrictions:
- Preharvest Interval: Do not cut forage for hay within 7 days of application.
- Do not apply within 30 days of a previous application.
- Do not apply more than 6.4 pints of DMA 4 IVM (4 lb of acid equivalent) per acre per use season.
- Maximum of 2 lb acid equivalent 2,4-D (4 pints of DMA 4 IVM) per acre per application.
- Do not apply more than two times per year.

Planting in Treated Areas
Labeled Crops: Within 29 days after an application of this product, plant only those crops listed on this or other registered 2,4-D labels. Follow more stringent limitations, if any, provided in directions for specific crops. Labeled crops may be at risk of crop injury or loss if planted soon after application, especially during the first 14 days. Degradation factors described below should be considered in weighing this risk.

Other Crops: All other crops may be planted 30 days or more after application without concern for illegal residues in the planted crop. However, under certain conditions, there may be a risk of injury to susceptible crops. Degradation factors described below should be considered in weighing this risk. Under normal conditions, any crop may be planted without risk of injury if at least 90 days of soil temperatures above freezing have elapsed since application.

Degradation Factors: When planting into treated areas, the risk of crop injury is less if lower rates of product were applied and conditions following application have included warm, moist soil conditions that favor rapid breakdown of 2,4-D. Risk is greater if higher rates of product were applied and soil temperatures have been cold and/or soils have been excessively wet or dry in the days following application. Consult your local agricultural extension service or information about susceptible crops and typical conditions in your area.
Orchard Floors
(Pome Fruits such as Apples and Pears, Stone Fruits, Pistachios and Nut Orchards) (Excluding Filberts)

<table>
<thead>
<tr>
<th>Application</th>
<th>DMA 4 IVM (pint/acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>postemergence annual and biennial weeds perennial weeds</td>
<td>1 - 2 up to 4</td>
<td>For application to orchard floors, use coarse, low pressure sprays and sufficient water for thorough coverage of weeds. Apply to annual weeds when small and actively growing. Apply to perennial weeds from bud to bloom stage.</td>
</tr>
</tbody>
</table>

Precautions:
- To avoid tree injury, do not allow spray drift to contact foliage, fruit, stems, trunks or trees or exposed roots.
- Do not apply when orchards are blooming.
- Do not make orchard floor applications in areas with light sandy soils.
- Avoid application immediately before irrigation and withhold irrigation for 2 days before and 3 days after application.
- Newly established trees or young orchards are more susceptible to 2,4-D injury. Apply only to orchards that have been established for at least one year and are in vigorous growth condition.

Restrictions:
- Preharvest Intervals:
  - Applie and Pears: Do not harvest fruit within 14 days after application.
  - Stone Fruit: Do not harvest for 40 days after application.
  - Pistachios and Nut Orchards: Do not harvest for 60 days after application.
- Do not cut orchard floor forage for hay within 7 days after application.
- Do not make more than 2 applications per year.
- Stone Fruits, Apples and Pears: Allow at least 75 days between applications.
- Nut Orchards, Pistachios: Allow at least 30 days between applications.
- Do not apply more than 8.42 pints of DMA 4 IVM (4 lb of acid equivalent) per acre per use season.

Rice (Not for Use in California)

<table>
<thead>
<tr>
<th>Application</th>
<th>DMA 4 IVM (pint/acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>preplant</td>
<td>1 - 2</td>
<td>Apply 2 to 4 weeks before planting rice to control emerged broadleaf weeds.</td>
</tr>
<tr>
<td>postemergence 1</td>
<td>1 - 2</td>
<td>Apply when rice is in late tillering stage and at the time of first joint development (first to second green ring).</td>
</tr>
</tbody>
</table>

1Up to 3 pints per acre may be applied postemergence for difficult weed control situations. However, there is greater risk of crop injury at rates greater than 2 pints per acre and such rates should be used only when the need for weed control justifies additional risk to the crop.

Precautions:
- Do not apply at early seedling stage or after rice internodes exceed one-half inch or panicle initiation.
- Some rice varieties under certain conditions or stages of growth may be injured by 2,4-D. Before applying, consult local university or agricultural extension service specialists regarding local treatment recommendations for various rice varieties.

Restrictions:
- Preharvest interval: Do not apply within 60 days of harvest.
- Do not apply more than one preplant and one postemergence application per use season.
- Do not apply more than 3.16 pints of DMA 4 IVM (1.5 lb of acid equivalent) per acre per use season.

Sorghum [Grain Sorghum (Milo) and Forage Sorghum]

<table>
<thead>
<tr>
<th>Application Timing</th>
<th>DMA 4 IVM (pint/acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>postemergence</td>
<td>1/2 - 1</td>
<td>Apply when sorghum is 6 to 15 inches tall. If sorghum is more than 8 inches tall (to top of crop canopy), use drop nozzles and apply as a directed spray to keep spray off foliage.</td>
</tr>
<tr>
<td>postemergence crop 6 - 8 inches tall</td>
<td>3/4 - 1</td>
<td></td>
</tr>
<tr>
<td>postemergence crop 8 - 15 inches tall (directed spray only)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Precautions:
- Note: Temporary crop injury can be expected under conditions of high soil moisture and high air temperatures. If it is necessary to apply DMA 4 IVM under these conditions, use no more than 2/3 pint per acre.
- Do not apply during boot, or later stages of growth.
- Sorghum hybrids vary in tolerance to 2,4-D. Some are easily injured. Apply only to varieties known to be tolerant to 2,4-D. Consult the seed company or your agricultural extension station or extension service weed specialist for this information.
Restrictions:
- **Preharvest Interval:** Do not harvest grain for 30 days after application.
- Do not permit meat or dairy animals to consume treated crop residue or forage within 30 days after application.
- Do not apply more than 2.1 pints of DMA 4 IVM (1 lb of acid equivalent) per acre per use season.
- Do not apply more than one postemergence application per use season.

**Soybeans (Preplant Burndown Only)**

<table>
<thead>
<tr>
<th>Application Timing</th>
<th>DMA 4 IVM (pint/acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>preplant (burndown)</td>
<td>3/4 - 1</td>
<td>Apply not less than 15 days before planting soybeans, when weeds are small and actively growing. Use the higher rate on larger weeds and when perennials are present. <strong>See Use Precautions and Restrictions below.</strong></td>
</tr>
<tr>
<td>1 - 2</td>
<td></td>
<td>Apply not less than 30 days before planting soybeans, when weeds are small and actively growing. Use the higher rate on larger weeds and when perennials are present. <strong>See Use Precautions and Restrictions below.</strong></td>
</tr>
</tbody>
</table>

Crop oil concentrates, agricultural surfactants and fluid fertilizers approved for use on growing crops may be added to spray mixtures of DMA 4 IVM to increase the herbicidal effectiveness 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. Refer to the Mixing section for instructions on tank mixing and compatibility testing.

**Use Precautions and Restrictions:**
- **Important Notice:** Unsusceptible injury to soybeans planted in treated fields may occur. Whether or not soybean injury occurs and the extent of such injury will depend upon 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 disturb treated soil through tillage between application and planting of soybeans.
- Do not use on sandy soils with less than 1.0% organic matter.
- In treated fields, plant soybean seed as deep as practical, but not less than 1 inch deep. Adjust the planter, if necessary, to ensure that planted seed is adequately covered.
- Do not make more than one application per season regardless of the application rate used.
- Do not apply DMA 4 IVM as a preplant application in soybeans unless you are prepared to accept the results of soybean injury, including possible stand loss and/or yield reduction.

<table>
<thead>
<tr>
<th>Application Timing/Stage of Growth</th>
<th>DMA 4 IVM (pint/acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>preemergence postemergence</td>
<td>2 - 4</td>
<td>Consult your agricultural experiment station or extension service weed specialist local recommendations.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Preemergence:</strong> Apply before cane emerges to actively growing weeds. <strong>Postemergence:</strong> Apply after cane emerges through canopy closure. Use a higher rate in the rate range for perennial weeds and difficult to control species.</td>
</tr>
</tbody>
</table>

**Restrictions:**
- Do not apply more than 8.42 pints of DMA 4 IVM (4 lb of acid equivalent) per acre per use season.
- Do not harvest cane prior to maturity.
- Do not make more than one preemergence and one postemergence application per season.

**Forestry, Rangeland, Established Pasture, and Non-Cropland Areas**

**Agricultural Use Requirements for Forest Use (Except Tree Injection Use):** For use in forests, follow PPE and re-entry instructions in the Agricultural Use Requirements section under the Directions for Use heading of this label.

**Agricultural Use Requirements for Rangeland, Pasture, Forest (Tree Injection Only) and Non-Cropland Areas:** When this product is applied to rangeland and established pastures not harvested for hay or seed; non-cropland areas, and when applied by tree injection in forest sites, follow re-entry requirements given in the Non-Agricultural Use Requirements section under the Directions for Use heading of this label.
### Forestry Uses

Forest site preparation, forest roadsides, brush control, established conifer release (including Christmas trees and reforestation areas)

<table>
<thead>
<tr>
<th>Treatment Site/ Method of Application</th>
<th>DMA 4 IVM</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>annual weeds</td>
<td>2 - 4 pt/acre</td>
<td>Apply when weeds are small and growing actively before the bud stage. Apply when biennial and perennial species are in the seedling to rosette stage and before flower stalks appear. For difficult to control perennial broadleaf weeds and woody species, use up to 1 gallon of DMA 4 IVM and 1 to 4 quarts of Garlon® 5A herbicide per acre. For conifer release, make application in early spring before budbreak of conifers when weeds are small and actively growing.</td>
</tr>
<tr>
<td>biennial and perennial broadleaf weeds and susceptible woody plants</td>
<td>4 - 8 pt/acre</td>
<td></td>
</tr>
<tr>
<td>spot treatment to control broadleaf weeds</td>
<td>1.28 fl oz/gal of spray solution (see instructions for Spot Treatment)</td>
<td>Note: To control broadleaf weeds in small areas with a hand sprayer, use an application rate equivalent to the specified broadcast rate and spray to thoroughly wet all foliage. Mix 1.28 fl oz per gallon of spray solution and apply through pump-up sprayer or backpack sprayer. Addition of a non-ionic surfactant is recommended to improve coverage. See rate conversion table and instructions for Spot Treatment and use of hand-held sprayers under Application.</td>
</tr>
<tr>
<td>conifer release: species such as white pine, ponderosa pine, jack pine, red pine, black spruce, white spruce, red spruce, and balsam fir</td>
<td>1 1/2 - 3 qt/acre</td>
<td>To control competing hardwood species such as alder, aspen, birch, hazel, and willow, apply from mid to late summer when growth of conifer trees has hardened off and woody plants are still actively growing. Apply with ground or air equipment, using sufficient spray volume to ensure complete coverage. Because this treatment may cause occasional conifer injury, do not apply if such injury cannot be tolerated.</td>
</tr>
<tr>
<td>directed spray: Conifer plantations including pine</td>
<td>4 qt/100 gal</td>
<td>Apply when brush or weeds are actively growing by directing the spray so as to avoid contact with conifer foliage and injurious amounts of spray. Apply in oil, oil-water, or water carrier in a spray volume of 10 to 100 gallons per acre.</td>
</tr>
<tr>
<td>bosal spray (may also be used in rangeland, pastures, and noncropland)</td>
<td>8 qt/100 gal or</td>
<td>Thoroughly wet the base and root collar of all stems until the spray begins to accumulate around the root collar at the ground line. Wetting stems with the mixture may also aid in control.</td>
</tr>
<tr>
<td>surface of cut stumps (may also be used in rangeland, pastures, and noncropland)</td>
<td>2.5 fl oz/gal of water</td>
<td>Apply as soon as possible after cutting trees. Thoroughly soak the entire stump with the 2,4-D mixture including cut surface, bark and exposed roots.</td>
</tr>
<tr>
<td>fill and girdle (may also be used in rangeland, pastures, and noncropland)</td>
<td></td>
<td>Cut fills (overlapping V-shaped notches cut downward through the bark in a continuous ring around the base of the tree) using an axe or other suitable tool. Treat freshly cut fills with as much of the 2,4-D mixture as they will hold.</td>
</tr>
<tr>
<td>tree injection application (may also be used in rangeland, pastures, and noncropland)</td>
<td>(1 - 2 ml per injection site)</td>
<td>To control unwanted hardwood trees such as elm, Hickory, oak, and sweetgum in forests and other non-crop areas, apply by injecting at a rate of 1 ml of undiluted DMA 4 IVM per inch of trunk diameter at breast height (DBH) as measured approximately 4 1/2 ft above the ground. However, injection should occur as close to the root collar as possible and the injection bit must penetrate the inner bark. Applications may be made throughout the year, but for best results apply between May 15 and October 15. Maples should not be treated during the spring sap flow. For hard-to-control species such as ash, maple, and dogwood use 2 ml of undiluted DMA 4 IVM per injection site or double the number of 1 ml injections. <strong>Note</strong>: No Worker Protection Standard worker entry restrictions or worker notification requirements apply when this product is directly injected into agricultural plants.</td>
</tr>
</tbody>
</table>
Precautions and Restrictions:
- Do not allow sprays to contact conifer shoot growth (current year’s new growth) or injury may occur.
- Do not apply to nursery seed beds.
- For conifer release, do not use on plantations where pine or juniper are among the desired species.
- For broadcast applications, do not apply more than 8.47 pints of DMA 4 IVM (4 lb of acid equivalent) per acre per 12-month period.
- Limited to 1 broadcast application per year.
- For basal spray, cut surface stumps, and fill applications, do not apply more than 10.84 pints of DMA 4 IVM (8 lb of acid equivalent) per 100 gallons of spray solution.

Rangeland, Established Grass Pastures (Including Perennial Grasslands not in Agricultural Production Such as Conservation Reserve Program Acres)

<table>
<thead>
<tr>
<th>Target Weeds or Woody Plants</th>
<th>DMA 4 IVM (pint/acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual broadleaf weeds</td>
<td>2</td>
<td>For best results, apply when weeds are small and growing actively before the bud stage. Apply when musk thistles or other biennial species are in the seedling to rosette stage and before flower stalks appear. Refer to the Weeds Controlled section for a listing of susceptible weed species and weeds that may be only partially controlled and require repeat applications and/or use of higher specified rates, even under ideal conditions of application.</td>
</tr>
<tr>
<td>Biennial and perennial broadleaf weeds</td>
<td>2 - 4</td>
<td>For broadcast applications, do not apply more than 8.47 pints of DMA 4 IVM (4 lb of acid equivalent) per acre per 12-month period.</td>
</tr>
<tr>
<td>Spot treatment to control broadleaf weeds</td>
<td>1.28 fl oz/gal of spray solution</td>
<td>Note: To control broadleaf weeds in small areas with a hand sprayer, use an application rate equivalent to the broadcast rate specified for the treatment site and spray to thoroughly wet all foliage. Mix 1.28 fl oz per gallon of spray solution and apply through pump up sprayer or backpack sprayer. Addition of a non-ionic surfactant is recommended to improve coverage. See rate conversion table and instructions for Spot Treatment and use of hand-held sprayers under Application.</td>
</tr>
<tr>
<td>Tree injection application</td>
<td>See instructions for tree injection application in Forestry Uses section.</td>
<td></td>
</tr>
<tr>
<td>Wild garlic and wild onion</td>
<td>4</td>
<td>Make three applications (fall-spring-fall or spring-fall-spring) starting in late fall or early spring.</td>
</tr>
<tr>
<td>Broadcast weed control in newly sprigged coastal bermudagrass</td>
<td>2 - 4</td>
<td>Applications may be made either preemergence or postemergence. Follow Specific Use Directions for annual, biennial and perennial broadleaf weed control, above.</td>
</tr>
<tr>
<td>Sand shinnery oak sand sagebrush</td>
<td>2</td>
<td>Sand shinnery oak: Apply by aircraft between May 15 and June 15. Sand sagebrush: Apply by ground or aircraft when foliage is fully expanded and plants are actively growing. Use a 1:4 oil-water emulsion as carrier and a spray volume of 3 to 5 gallons per acre.</td>
</tr>
<tr>
<td>Big sagebrush rabbitbrush</td>
<td>4</td>
<td>Apply by ground or aircraft when foliage is fully expanded and plants are actively growing. Use water or 1:4 oil-water emulsion as carrier and a spray volume of 3 to 5 gallons per acre. Re-treatment may be needed.</td>
</tr>
<tr>
<td>Chamise, manzanita, buckbrush, coastal sage, osteosperm, and chaparral species.</td>
<td></td>
<td>Apply by ground or aircraft when foliage is fully expanded and plants are actively growing. Use water or 1:4 oil-water emulsion as carrier and a spray volume of 5 to 10 gallons per acre. Re-treatment may be needed.</td>
</tr>
<tr>
<td>Southern wild rose broadcast application spot treatment</td>
<td>up to 4</td>
<td>Broadcast: Apply in a spray volume of 5 gallons or more per acre by aircraft or 10 gallons or more per acre by ground equipment. Spot treatment: Apply when foliage is well developed. Thorough coverage is required. Mix 1.28 fl oz per gallon of spray solution and apply through pump up sprayer or backpack sprayer. Addition of a non-ionic surfactant is recommended to improve coverage. Two or more treatments may be required. Do not exceed 4 pints per acre per application.</td>
</tr>
</tbody>
</table>
Precautions and Restrictions:

- Do not use on bentgrass, alfalfa, clover, or other legumes.
- Do not use on newly seeded areas until grass is well established.
- Do not spray from early boot to milk stage where grass seed production is desired.
- Do not apply within 30 days of a previous application.
- Preharvest Interval: Do not harvest forage for hay within 7 days of application. For program lands, such as CRP, consult program rules to determine whether grass or hay may be used. The more restrictive requirements of the program rules or this label must be followed.
- For grazed areas, the maximum use rate is 4.21 pints of DMA 4 IVM (2 lb of acid equivalent) per acre per application.
- Do not apply more than 8.42 pints of DMA 4 IVM (4 lb of acid equivalent) per acre per use season.
- Do not make more than two applications per season.
- If grass is to be cut for hay, Agricultural Use Requirements for the Worker Protection Standard are applicable.
- For susceptible annual and biennial broadleaf weeds: Do not apply more than 2 pints (1 lb of acid equivalent) per acre per application.
- For moderately susceptible biennial, perennial broadleaf weeds and difficult to control weeds and woody plants: Do not apply more than 4 pints (2 lb of acid equivalent) per acre per application.
- Spot treat: Do not apply more than 4 pints (2 lb of acid equivalent) per acre.
- For program lands, such as Conservation Reserve Program, consult program rules to determine whether grass or hay may be used. The more restrictive requirements of the program rules or this label must be followed.

Non-Cropland Areas

Such as fences, gardens, roadsides, drainage ditches, rights-of-way, utility power lines, railroads, airports, and other non-crop areas

<table>
<thead>
<tr>
<th>Treatment Site/Method of Application</th>
<th>DMA 4 IVM (pint/acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>annual broadleaf weeds</td>
<td>1 - 4</td>
<td>Apply when annual weeds are small and growing actively before the bud stage. Biennial and perennial weeds should be rosette to bud stage, but not flowering at the time of application. For difficult to control perennial broadleaf weeds and woody species, tank mix up to 1 gallon of DMA 4 IVM plus 1 to 4 quarts of Garlon 3A per acre. For ground application: (High volume) apply a total of 100 to 400 gallons per acre; (Low volume) apply a total of 10 to 100 gallons per acre. For helicopter: Apply a total of 5 to 30 gallons per acre spray volume.</td>
</tr>
<tr>
<td>biennial and perennial broadleaf weeds</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>susceptible woody plants on rights-of-way</td>
<td>4 - 8</td>
<td></td>
</tr>
<tr>
<td>spot treatment to control broadleaf weeds</td>
<td>1.28 ft oz/gal of spray solution (see instructions for Spot Treatment)</td>
<td>Note: To control broadleaf weeds in small areas with a hand sprayer, use an application rate equivalent to the broadcast rate specified for this treatment site and spray to thoroughly wet all foliage. Mix 1.28 ft oz per gallon of spray solution and apply through pump-up sprayer or backpack sprayer. Addition of a non-ionic surfactant is recommended to improve coverage. See rate conversion table and instructions for Spot Treatment and use of hand-held sprayers under Application.</td>
</tr>
<tr>
<td>tree injection application</td>
<td>See instructions for tree injection application in Forestry Uses section.</td>
<td></td>
</tr>
<tr>
<td>southern wild rose broadcast application</td>
<td>up to 4</td>
<td>Broadcast: Apply in a spray volume of 5 gallons or more per acre by aircraft or 10 gallons or more per acre by ground equipment. Apply when foliage is well developed. Thorough coverage is required. Mix 1.28 ft oz per gallon of spray solution and apply through pump-up sprayer or backpack sprayer. Addition of a non-ionic surfactant is recommended to improve coverage. Two or more treatments may be required.</td>
</tr>
<tr>
<td>spot treatment</td>
<td>1.28 ft oz/gal of spray solution</td>
<td></td>
</tr>
</tbody>
</table>

Precautions and Restrictions:

- Do not apply to newly seeded areas until grass is well established.
- Bentgrass, St. Augustine, clover, legumes, and dichondra may be severely injured or killed by this treatment.
- Annual and perennial weeds: Do not apply more than 4.21 pints of DMA 4 IVM (2 lb of acid equivalent) per acre per application. Do not make more than two applications per season. Do not reapply to a treated area within 30 days of a previous application.
- Woody plants: Do not apply more than 8.42 pints of DMA 4 IVM (4 lb of acid equivalent) per acre per use season. Do not make more than one application per season.
- Applications to non-cropland areas are not applicable to treatment of commercial timber or other plants being grown for sale or other commercial uses, or for commercial seed production, or for research purposes.
### Turfgrass Uses

**Grasses Grown for Seed or Sod Farms**

**Agricultural Use Requirements:** When used in grass grown for seed or sod farms, follow PPE and re-entry instructions in the Agricultural Use Requirements section of this label.

**Use Requirements for Ornamental Turfgrass Areas:** When this product is applied to ornamental turfgrass areas, follow PPE and re-entry instructions in the Non-Agricultural Use Requirements section of this label.

<table>
<thead>
<tr>
<th>Treatment Site/Application Timing</th>
<th>DMA 4 IVM (pint/acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Grasses Grown for Seed</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(postemergence use)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seeding grass (five-leaf stage or later)</td>
<td>3/4 - 1</td>
<td>Apply when weeds are small and actively growing. For best results, apply when soil moisture is adequate for active weed growth. Do not apply to newly seeded grasses until well established (five-leaf stage or later) and then use a maximum of 1 pint per acre. Cool season grasses are tolerant of higher rates. Do not apply to grass in the early boot through milk stage if seed production is desired. When grass is well established, higher rates of up to 4 pints per acre may be applied for control of hard to kill annual or perennial weeds.</td>
</tr>
<tr>
<td>Well-established grasses</td>
<td>1 - 4</td>
<td></td>
</tr>
</tbody>
</table>

| **Sod Farms (postemergence)**    | 2 - 4                  | Deep-rooted perennials such as bindweed and Canada thistle may require repeat applications. Avoid mowing sod farms for 1 to 2 days before or after application. Delay irrigation until the day following application. |

**Precautions and Restrictions:**
- Do not use on creeping grasses such as bent except as a spot treatment.
- Do not use on creeping grasses such as St. Augustinegrass.
- Do not use on dichondra or other herbaceous ground covers. Logunis may be damaged or killed.
- Do not apply to a treated area within 21 days of a previous application.
- **Re seeding:** Delay reseeding at least 30 days following application. Preferably, with spring application, resow in the fall and with fall application, resow in the spring.
- **Preharvest Interval:** Do not cut forage for hay within 7 days after application.
- Do not apply more than 8.42 pints of DMA 4 IVM (4 lb of acid equivalent) per acre per use season.

- Maximum of 2 lb acid equivalent (4.2 pints of DMA 4 IVM) per acre per application.
- Do not make more than two applications of DMA 4 IVM per use season.

**Ornamental Turfgrass (Excluding Grasses Grown for Seed or Sod Farms)**

(Includes lawns, golf courses, cemeteries and parks, airfields, roadsides, vacant lots, drainage ditch banks)

<table>
<thead>
<tr>
<th>Treatment Site/Application Timing</th>
<th>DMA 4 IVM (pint/acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ornamental Turfgrass</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(postemergence)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seeding grass (five-leaf stage or later)</td>
<td>3/4 - 1</td>
<td>Apply when weeds are small and actively growing. For best results, apply when soil moisture is adequate for active weed growth. Deep-rooted perennial weeds such as bindweed and Canada thistle may require repeat applications. Do not apply to newly seeded grasses until well established (five-leaf stage or later) and then use a maximum of 1 pint per acre. Cool season grasses are tolerant of higher rates.</td>
</tr>
<tr>
<td>Well-established grasses</td>
<td>2 - 3</td>
<td></td>
</tr>
<tr>
<td>Biennial and perennial broadleaf weeds</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Precautions and Restrictions:**
- Do not use on injury-sensitive southern grasses such as St. Augustinegrass.
- Do not use on dichondra or other herbaceous ground covers. Logunis may be damaged or killed.
- Do not apply within 21 days of a previous application.
- **Re seeding:** Delay reseeding at least 30 days following application. Preferably, with spring application, resow in the fall and with fall application, resow in the spring.
- Do not apply more than 2 broadcast applications per year per treatment site (does not include spot treatments).
- Do not apply more than 6.32 pints per acre of DMA 4 IVM (3 lb of acid equivalent) per year.

**Aquatic Uses**

**Use Requirements for Aquatic Areas:** When this product is applied to aquatic areas, follow PPE and re-entry instructions in the Non-Agricultural Use Requirements section of this label.
### Control of Weeds and Brush on Banks of Irrigation Canals and Ditches

<table>
<thead>
<tr>
<th>Target Plants</th>
<th>DMA 4 V/M (gallons per acre)</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual weeds, biennial and perennial broadleaf weeds and susceptible wood plants</td>
<td>2 to 4, 4</td>
<td>Apply using low pressure spray (10 to 40 psi) in a spray volume of 20 to 100 gallons per acre using power operated spray equipment. Apply when wind speed is low, 5 mph or less. Apply working upstream to avoid accidental concentration of spray into water. Cross-stream spraying to opposite banks is not permitted and avoid boom spraying over water surface. When spraying shoreline weeds, allow no more than a 2-foot overspray onto water surface with an average of less than 1 foot of overspray to prevent significant water contamination. Apply when weeds are small and growing actively before the bud stage. Apply when biennial and perennial species are in the seedling to rosette stage and before flower stalks appear. For hard to control weeds, a repeat application after 30 days at the same rate may be needed. For woody species and patches of perennial weeds, mix 1 gallon of DMA 4 V/M per 64 to 100 gallons of total spray. Wet foliage by applying about 3 to 4 gallons of spray per 1000 sq ft (10.5 X 10.5 steps).</td>
</tr>
</tbody>
</table>

**Restrictions and Limitations:**
- Do not apply more than 3 treatments per season or reapply within 30 days.
- Use 2 gallons or more of spray solution per acre.
- Do not apply more than 0.24 gals per acre of DMA 4 V/M per application or more than 8.42 gals per acre of acid equivalent per acre per use season.
- Do not use on small canals with a flow rate less than 10 cubic feet per second (CFS) where water will be used for drinking purposes. CFS may be estimated by using the formulas below. The approximate velocity needed for the calculation can be determined by observing the length of time that it takes a floating object to travel a defined distance. Divide the distance (ft) by the time (sec) to estimate velocity (ft per sec). Repeat 3 times and use the average to calculate CFS. Average Width (ft) x Average Depth (ft) x Average Velocity (ft per sec) = CFS

**For ditchbank weeds:** Do not spray cross-stream to opposite bank. Do not allow boom spray to be directed onto water.

**For shoreline weeds:** Boom spraying onto water surface must be held to a minimum and allow no more than a 2-foot overspray onto water with an average of less than 1 foot overspray to prevent introduction of greater than negligible amounts of chemical into the water.

Aquatic Weed Control in Ponds, Lakes, Reservoirs, Marshes, Bayous, Drainage Ditches, Canals, Rivers and Streams that are Quiescent or Slow Moving, Including Programs of the Tennessee Valley Authority

**Notice to Applicants:** Before application, coordination and approval of local and state authorities may be required, either by letter or agreement or issuance of special permits for aquatic applications.

Emergent and Floating Aquatic Weeds: Including Water Hyacinth (Eichhornia crassipes)

**Application Rate:** 2 to 4 quarts per acre.

**Specific Use Directions**

Application Timing: Spray weed mass only. Apply when water hyacinth plants are actively growing. Repeat application as necessary to kill regrowth and plants missed in previous operation. Use the 4 quart per acre rate when plants are mature or when weed mass is dense.

Surface Application: Use power operated sprayers with boom or spray gun mounted on boat, tractor or truck. Thorough wetting of foliage is essential for maximum control. Use 100 to 400 gallons of spray mixture per acre. Special precautions such as use of lower pressures, large nozzles and spray thickening agents should be taken to avoid spray drift to susceptible crops. Follow label directions for use of any drift control agent.

**Aerial Application:** Use drift control spray equipment or thickening agent mixed in the spray mixture. Apply 1 gallon of DMA 4 V/M per acre using standard boom systems using a minimum spray volume of 5 gallons per acre. For Microdrift control spray systems, apply DMA 4 V/M in a total spray volume of 12 to 15 gallons per acre.

**Restrictions and Limitations for Surface Applications to Emergent Aquatic Weeds**
- Do not exceed 8.42 pounds per acre (4 lb of acid equivalent) per surface acre per week.
- Spot treatments are permitted.
- Limited to two applications per season.
- Minimum of 21 days between applications.

High breathe dissolved oxygen in the water and decaying woods also use oxygen. When treating continuous, dense weed masses, it may be appropriate to treat only part of the infestation at a time. For example, apply the product in lanes separated by untreated strips that can be treated after vegetation in treated lanes has decomposed. During the growing season, weeds decompose in a 2 to 3 week period following treatment. Waters having limited and less dense weed infestations may not require partial treatments. Other local factors such as water exchange and sediment load can also influence the dissolved oxygen level. Coordination and approval of local and state authorities may be required, either by letter of agreement or issuance of special permits for aquatic applications.
Water Use:

1. Water for irrigation or sprays:
   a. If treated water is intended to be used only for crops or non-crop areas that are labeled for direct treatment with 2,4-D such as pastures, turfgrass or cereal grains, the treated water may be used to irrigate and/or mix sprays for these sites at anytime after the 2,4-D aquatic application.
   b. Due to potential phytotoxicity considerations, the following restrictions are applicable: If treated water is intended to be used to irrigate or mix sprays for plants grown in commercial nurseries and greenhouses; and other plants or crops that are not labeled for direct treatment with 2,4-D, the water must not be used unless one of the following restrictions has been observed:
      i. A setback distance from functional water intake(s) of ≥600 ft. was used for the application, or,
      ii. A waiting period of 7 days from the time of application has elapsed, or
      iii. An approved assay indicates that the 2,4-D concentration is ≤10 ppb (0.1 ppm) or less at the water intake. Wait at least 3 days after application before initial sampling at water intake.

2. Drinking water (potable water):
   a. Consult with appropriate state or local water authorities before applying this product to public waters. State or local agencies may require permits. The potable water use restrictions on this label are to ensure that consumption of water by the public is allowed only when the concentration of 2,4-D in the water is less than the MCL (Maximum Contaminant Level) of 70 ppb. Applicators should consider the unique characteristics of the treated waters to assure that 2,4-D concentrations in potable water do not exceed 70 ppb at the time of consumption.
   b. For floating and emergent weed applications, the drinking water setback distance from functioning potable water intakes is ≥600 ft.
   c. If no setback distance of ≥600 ft. is used for the application, applicators or the authorizing organization must provide a drinking water notification prior to a 2,4-D application to the party responsible for a public water supply or to individual private water users. Notification to the party responsible for a public water supply or to individual private water users must be done in a manner to assure that the party is aware of a water use restrictions when this product is applied to potable water.

   The following is an example of an example of notification via posting, but other methods of notification which convey the above restrictions may be used and may be required in some cases under state or local law or as a condition of a permit.

   Example:
   Posting notification should be located every 250 feet including the shoreline of the treated area and up to 250 feet of shoreline past the application site to include immediate public access points. Posting must include the day and time of application. Posting may be removed if analysis of a sample collected at the intake 3 days or more following application shows that the concentration in the water is less than 70 ppb (100 ppb for irrigation or sprays), or after 7 days following application, whichever occurs first.

   Text of notification: Wait 7 days before diverting functioning surface water intakes from the treated aquatic site to use as drinking water, irrigation, or sprays, unless water at functioning drinking water intakes is tested at least 3 days after application and is demonstrated by assay to contain not more than 70 ppb 2,4-D (100 ppb for irrigation or sprays).

   Application Date: Time: 

   D. Following each application of this product, treated water must not be used for drinking water unless one of the following restrictions has been observed:
      i. A setback distance from functional water intake(s) of ≥600 ft. was used for the application, or,
      ii. A waiting period of at least 7 days from the time of application has elapsed, or
      iii. An approved assay indicates that the 2,4-D concentration is ≤10 ppb (0.1 ppm) or less at the water intake. Sampling for drinking water analysis should occur no sooner than 3 days after 2,4-D application. Analysis of samples must be completed by a laboratory that is certified under the Safe Drinking Water Act to perform drinking water analysis using a currently approved version of analytical Method Number 515, 555, other methods for 2,4-D as may be listed in Title 40 CFR Part 141.24, or Method Number 4015 (immunoassay of 2,4-D) from U.S. EPA Test Methods for Evaluating Solid Waste W 146.

   E. Note: Existing potable water intakes that are no longer in use, such as those replaced by a connection to a municipal water system or a potable water well, are not considered to be functioning potable water intakes.

F. Drinking water setback distances do not apply to terrestrial applications of 2,4-D adjacent to water bodies with potable water intakes.
**Submerged Aquatic Weeds: Including Eurasian Water Milfoil (Myriophyllum spicatum)**

<table>
<thead>
<tr>
<th>Treatment Site</th>
<th>Maximum Application Rate1</th>
<th>Specific Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>aquatic weed control in ponds, lakes, reservoirs, marshes, bayous, drainage ditches, canals, rivers and streams that are quiescent or slow moving, including programs of the Tennessee Valley Authority</td>
<td>2.84 gallons (10.8 lb of acid equivalent) per acre foot</td>
<td>Application Timing: For best results, apply in spring or early summer when aquatic weeds appear. Check for weed growth in areas heavily infested the previous year. A second application may be needed when weeds show signs of recovery, but no later than mid-August in most areas. Subsurface Application: Apply DMA 4 IVM undiluted directly to the water through a boat mounted distribution system. Shoreline areas should be treated by sub-surface injection application by boat to avoid aerial drift. Surface Application: Use power operated boat mounted boom sprayer. If rate is less than 6 gallons per acre, dilute to a minimum spray volume of 5 gallons per surface acre. Aerial Application: Use drift control spray equipment or thickening agents mixed with sprays to reduce drift. Apply through standard boom systems in a minimum spray volume of 5 gallons per surface acre. For Microfoil drift control spray systems, apply DMA 4 IVM in a total spray volume of 12 to 15 gallons per acre. Apply to attain a concentration of 2 to 4 ppm (see table below).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Surface Area</th>
<th>Average Depth (ft)</th>
<th>For typical conditions - 2 ppm (2,4-D a.e./acre)</th>
<th>For typical conditions - 2 ppm (DMA 4 IVM gal/acre)</th>
<th>For difficult conditions - 4 ppm1 (2,4-D a.e./acre)</th>
<th>For difficult conditions - 4 ppm1 (DMA 4 IVM gal/acre)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 acre</td>
<td>5.4</td>
<td>1.42</td>
<td>10.8</td>
<td>2.84</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>10.8</td>
<td>2.84</td>
<td>21.8</td>
<td>5.68</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>16.2</td>
<td>4.26</td>
<td>32.4</td>
<td>8.53</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>21.0</td>
<td>5.68</td>
<td>43.2</td>
<td>11.37</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>27.0</td>
<td>7.10</td>
<td>54.0</td>
<td>14.21</td>
<td></td>
</tr>
</tbody>
</table>

1 DMA 4 IVM contains 3.8 lb of acid equivalent per gallon of product.

### Restrictions and Limitations for Aquatic Sites With Submersed Weeds

Fish breathe oxygen in the water and a water-oxygen ratio must be maintained. Decaying weeds use up oxygen, but during the period when applications should be made, the weed mass is fairly sparse and the weed decomposition rate is slow enough that the water-oxygen ratio is not disturbed by treating the entire area at one time. If treatments must be applied later in the season when the weed mass is dense and repeat treatments are needed, apply product in lanes, leaving buffer strips which can then be treated when vegetation in treated lanes has disintegrated. During the growing season, weeds decompose in a 2- to 3-week period following treatment. Do not apply within 21 days of previous application. Limited to 2 applications per season.

When treating moving bodies of water, applications must be made while traveling upstream to prevent concentration of 2,4-D downstream from the application.

Cooperation and approval of local and state authorities may be required, either by letter of agreement or issuance of special permits for such use.

### Water Use:

1. **Water for irrigation or sprays:**
   A. If treated water is intended to be used only for crops or non-crop areas that are labeled for direct treatment with 2,4-D such as pastures, turfgrass or cereal grains, the treated water may be used to irrigate and/or mix sprays for these sites at anytime after the 2,4-D aquatic application.
   B. Due to potential phytotoxicity and/or residue considerations, the following restrictions are applicable:
      i) A setback distance described in the Drinking Water Setback Table was used for the application, or
      ii) A waiting period of 21 days from the time of application has elapsed, or
An approved assay indicates that the 2,4-D concentration is 100 ppb (0.1 ppm) or less at the water intake. See Table 3 for the waiting period after application but before taking the initial sampling at water intake.

2. Drinking water (potable water):
A. Consult with appropriate state or local water authorities before applying this product to public waters. State and local agencies may require permits. The potable water use restrictions on this label are to ensure that consumption of water by the public is allowed only when the concentration of 2,4-D in the water is less than the MCL (Maximum Contaminant Level) of 70 ppb. Applicators should consider the unique characteristics of the treated waters to assure that 2,4-D concentrations in potable water do not exceed 70 ppb at the time of consumption.
B. For submerged weed applications, the drinking water setback distances from functioning potable water intakes are provided in Table 2 Drinking Water Setback Distance (below).
C. If no setback distance from the Drinking Water Setback Table (Table 2) is to be used for the application, applicators or the authorizing organization must provide a drinking water notification and an advisory to shut off all potable water intakes prior to a 2,4-D application. Notification to the party responsible for a public water supply or to individual private water users must be done in a manner to assure that the party is aware of the water use restrictions when this product is applied to potable water.

The following is an example of an example of notification via posting, but other methods of notification which convey the above restrictions may be used and may be required in some cases under state or local law or as a condition of a permit.

Example:
Posting notification should be located every 250 feet including the shoreline of the treated area and up to 250 feet of shoreline past the application site to include immediate public access points. Posting should include the day and time of application. Posting may be removed if analysis of a sample collected at the intake no sooner than stated in Table 3 (below) shows that the concentration in the water is less than 70 ppb (100 ppb for irrigation or sprays) or after 91 days following application, whichever occurs first.

Text of notification: Wait 21 days before diverting functioning surface water intakes from the treated aquatic site to use as drinking water, irrigation, or sprays, unless water at functioning drinking water intakes is tested no sooner than (insert days from Table 3) and is demonstrated by assay to contain not more than 70 ppb 2,4-D (100 ppb for irrigation or sprays). Application Date: _____ Time: _____.

2. Drinking Water Setback Distance for Submersed Weed Applications

<table>
<thead>
<tr>
<th>Application Rate</th>
<th>Minimum Setback Distance (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ppm*</td>
<td>600</td>
</tr>
<tr>
<td>2 ppm*</td>
<td>1200</td>
</tr>
<tr>
<td>3 ppm*</td>
<td>1800</td>
</tr>
<tr>
<td>4 ppm*</td>
<td>2400</td>
</tr>
</tbody>
</table>

*ppm acid equivalent target water concentration

3. Sampling for Drinking Water Analysis After 2,4-D Application for Submersed Weed Applications

<table>
<thead>
<tr>
<th>Minimum Days After Application</th>
<th>Initial Water Sampling at the Functioning Potable Water Intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ppm*</td>
<td>5 days after application; time of application: Time: _____</td>
</tr>
<tr>
<td>2 ppm*</td>
<td>10 days after application; time of application: Time: _____</td>
</tr>
<tr>
<td>3 ppm*</td>
<td>10 days after application; time of application: Time: _____</td>
</tr>
<tr>
<td>4 ppm*</td>
<td>14 days after application; time of application: Time: _____</td>
</tr>
</tbody>
</table>

*ppm acid equivalent target water concentration
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