

62719-366

06/23/2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:

62719-366

Date of Issuance:

6-23-09

NOTICE OF PESTICIDE:

Registration

X Reregistration

(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:

GlyMix MT

Name and Address of Registrant (include ZIP Code):

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is reregistered in accordance with FIFRA provided that you:

- 1) Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.

Signature of Approving Official:

Erik Kraft for

Jim Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505P)

Date:

6-23-09

2) The text “applying postharvest dips or sprays to citrus” must be deleted from the glove and apron text in the handler PPE section because these uses do not appear on the product label.

3) Per the 2,4-D RED, the text in bold type below must be added to the User Safety Recommendations currently on the label:

“User Safety Recommendations

User should wash hands before, eating, drinking, chewing gum, tobacco, of using the toilet.

User should remove clothing/*PPE* immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

***Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.***”

4) The first 2 sentences of the Environmental Hazard text must be revised to read:

“This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the high water mark.”

The typographical error (“Swatch”) appearing in the “Wind Speed” section of the Spray Drift Management text should be corrected. The text should read “If applying a Medium spray, leave one swath unsprayed at the downwind edge of the treated field.”

5) The following revisions are needed to the directions for use:

**Conservation Reserve Program (CRP):**

Add:

“Limited to 2 applications per year.

Minimum of 30 days between applications.”

**Corn, field and pop:**

Per the RED the following text must be added to the label and any conflicting text must be deleted:

The preharvest interval (PHI) is 7 days.

Preplant or preemergence:

Limited to one preplant or preemergence application per crop cycle.

Postemergence:

Limited to one postemergence application per crop cycle.

Maximum of 0.5 lbs ae 2.4-D per acre per application when tank mixed with other products.

Preharvest (Field and popcorn only):

Limited to one preharvest application per crop cycle.

**Corn, sweet:**

The preharvest interval (PHI) is 45 days.

Minimum of 21 days between applications.

Maximum of 1.5 lbs ae 2,4-D per acre per crop cycle when tank mixed with other products.

Preplant or preemergence:

Limited to one preplant or preemergence application per crop cycle.

Maximum of 1.0 lbs ae 2,4-D per acre per application when tank mixed with other products.

Postemergence:

Limited to one postemergence application per crop cycle.

Maximum of 0.5 lbs ae per acre per application when tank mixed with other products.”

**Fallow systems:**

Add to the restriction currently on the label:

“Limited to 2 applications per year..”

**Farmstead:**

Add:

“Postemergence (annual and perennial weeds):

Limited to 2 applications per year.

Maximum of 2.0 lbs ae 2,4-D per acre per application when tank mixed with other products.

Minimum of 30 days between applications.

If appropriate – Postemergence (woody plants):

Limited to one application per year.

Maximum of 4.0 lbs ae 2,4-D per acre per year when tank mixed with other products.”

**Grass Seed Production:**

The following text must be added to the label and any conflicting text must be deleted:

“Limited to 2 applications per year.

Maximum of 2.0 lbs ae 2,4-D per acre per application when tank mixed with other products.

Minimum of 21 days between applications.”

**“Pastures” and “Rangelands”:**

The ‘Precautions and Restrictions’ text currently on the label must be revised to read as specified below and any conflicting text must be deleted:

“Do not cure forage for hay within 7 days of application.

For susceptible annual and biennial weeds: Do not apply more than 1.0 lbs ae per acre per application when tank mixed with other products.

For moderately susceptible biennial and perennial broadleaf weeds, difficult to control weeds and woody plants: Do not apply more than 2.0 lbs ae per acre per application when tank mixed with other products.

Spot treatment: Do not apply more than 2.0 lbs ae per acre when tank mixed with other products.

Do not apply more than two applications per year.

The maximum annual application rate is 4.0 lbs ae per acre per year when tank mixed with other

products.

The minimum retreatment interval is 30 days.

If grass is to be cut for hay, Agricultural Use Requirements for the Worker Protection Standard are applicable.”

**Soybeans:**

The text “See the 2,4-D label for intervals between application and planting, maximum rates per application and number of applications per crop cycle” does not make sense and must be deleted from this label.

6) To the Storage and Disposal section move “Do not contaminate water, food, feed, or seed by storage or disposal.” to directly under the heading Storage and Disposal. Add an appropriate statement to the Pesticide Storage section.

7) To the label add “Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et. al. v. EP, C01-0132C, (W.D. WA). For further information, please refer to <http://www.epa.gov/espp>.”

You must submit one copy of the final printed label before you release the product for shipment.

Products shipped after 12 months from the date of this letter or the next printing of the label whichever occurs first, must bear the new revised label. This label supercedes all previously accepted labels. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA. If you have any questions please call Erik Kraft at 703-308-9358 or email at [Kraft.Erik@epa.gov](mailto:Kraft.Erik@epa.gov).

5/34

(Base label for rigid containers 5 gal or less):

# GlyMix<sup>®</sup> MT Herbicide

For control of annual and perennial weeds in Colorado, Idaho, Kansas<sup>†</sup>, Montana, Nebraska<sup>†</sup>, Nevada<sup>†</sup>, North Dakota, Oklahoma<sup>†</sup>, Oregon<sup>†</sup>, South Dakota, Utah, Washington<sup>†</sup> and Wyoming

<sup>†</sup> This product *IS AUTHORIZED FOR USE ONLY WITHIN SPECIFIC* counties in Kansas, Nebraska, Nevada, Oklahoma, Oregon and Washington. Refer to the "General Information" section of the label booklet for the listing of counties *WHERE USE IS PERMITTED* within these states.

**Avoid contact of herbicide with foliage, green stems, exposed non-woody roots or fruit of crops desirable plants and trees, because severe injury or destruction may result.**

Active Ingredient(s):

- glyphosate: N-(phosphonomethyl)glycine, isopropylamine salt ..... 41.0%
- 2,4-D: 2,4-dichlorophenoxyacetic acid, isopropylamine salt ..... 4.2%
- Other Ingredients ..... 54.8%
- Total Ingredients ..... 100.0%

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
6-23-09**  
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

Contains 4 lb/gallon (480 grams per litre) glyphosate, isopropylamine salt.

Contains 0.4 lb/gallon (49 grams per litre) 2,4-dichlorophenoxyacetic acid, isopropylamine salt. 62719-366

**Keep Out of Reach of Children**

## CAUTION

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### Precautionary Statements

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#### Hazards to Humans and Domestic Animals

**Causes Moderate Eye Irritation**

**Avoid contact with eyes or clothing.**

#### Personal Protective Equipment (PPE)

**All mixers, loaders, applicators, flaggers, and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks.
- Chemical-resistant gloves, when applying postharvest dips or sprays to citrus, applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.
- Protective eyewear
- Chemical resistant apron when applying postharvest dips or sprays to citrus, 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 (Personal Protective Equipment). 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 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 Protections 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 immediately if pesticide gets inside. Then wash thoroughly and put on 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 eye. Call a poison control center or doctor for treatment advice.

#### HOT LINE NUMBER

Have the product container or label with you when calling poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994, for emergency medical treatment information.

### Environmental Hazards

This pesticide may be toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark except as noted on appropriate labels. 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 rinsate.

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.

### Physical or Chemical Hazards

Spray solutions of this product should be mixed, stored and applied using only stainless steel, aluminum, fiberglass, plastic or plastic lined containers.

**Do not mix, store or apply this product or spray solutions of this product in galvanized steel or unlined steel (except stainless steel) containers or spray tanks.** This product, or spray solutions of this product react with such containers and tanks to produce hydrogen gas that may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

### 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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**Storage and Disposal**

**Pesticide Storage:** Do not contaminate water, food, feed or seed by storage or disposal.

**Container Reuse:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

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 recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**Refer to label booklet for Directions for Use.**

**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 1-800-992-5994. If you wish to obtain additional product information, visit our web site at [www.dowagro.com](http://www.dowagro.com).

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

EPA Reg. No. 62719-366

EPA Est. \_\_\_\_\_

®Trademark of Dow AgroSciences LLC

**Produced for Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.**

**Net Contents** \_\_\_\_\_

8/34

(Base label for refillable rigid containers larger than 5 gal):

# GlyMix<sup>®</sup> MT Herbicide

For control of annual and perennial weeds in Colorado, Idaho, Kansas<sup>†</sup>, Montana, Nebraska<sup>†</sup>, Nevada<sup>†</sup>, North Dakota, Oklahoma<sup>†</sup>, Oregon<sup>†</sup>, South Dakota, Utah, Washington<sup>†</sup> and Wyoming

<sup>†</sup> This product *IS AUTHORIZED FOR USE ONLY WITHIN SPECIFIC* counties in Kansas, Nebraska, Nevada, Oklahoma, Oregon and Washington. Refer to the "General Information" section of the label booklet for the listing of counties *WHERE USE IS PERMITTED* within these states.

**Avoid contact of herbicide with foliage, green stems, exposed non-woody roots or fruit of crops desirable plants and trees, because severe injury or destruction may result.**

Active Ingredient(s):

glyphosate: N-(phosphonomethyl)glycine, isopropylamine salt .....	41.0%
2,4-D: 2,4-dichlorophenoxyacetic acid, isopropylamine salt .....	4.2%
Other Ingredients .....	54.8%
Total Ingredients .....	100.0%

Contains 4 lb/gallon (480 grams per litre) glyphosate, isopropylamine salt.

Contains 0.4 lb/gallon (49 grams per litre) 2,4-dichlorophenoxyacetic acid, isopropylamine salt.

**Keep Out of Reach of Children**

## CAUTION

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### Precautionary Statements

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#### Hazards to Humans and Domestic Animals

**Causes Moderate Eye Irritation**

**Avoid contact with eyes or clothing.**

#### Personal Protective Equipment (PPE)

**All mixers, loaders, applicators, flaggers, and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks.
- Chemical-resistant gloves, when applying postharvest dips or sprays to citrus, applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.
- Protective eyewear
- Chemical resistant apron when applying postharvest dips or sprays to citrus, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate

See engineering controls for additional requirements

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Follow manufacturer's instructions for cleaning/maintaining PPE (Personal Protective Equipment). 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 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 Protections 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 immediately if pesticide gets inside. Then wash thoroughly and put on 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 eye. Call a poison control center or doctor for treatment advice.

#### HOT LINE NUMBER

Have the product container or label with you when calling poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994, for emergency medical treatment information.

### Environmental Hazards

This pesticide may be toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark except as noted on appropriate labels. 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 rinsate.

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.

### Physical or Chemical Hazards

Spray solutions of this product should be mixed, stored and applied using only stainless steel, aluminum, fiberglass, plastic or plastic lined containers.

**Do not mix, store or apply this product or spray solutions of this product in galvanized steel or unlined steel (except stainless steel) containers or spray tanks.** This product, or spray solutions of this product react with such containers and tanks to produce hydrogen gas that may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

### 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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**Storage and Disposal**

**Pesticide Storage:** Do not contaminate water, food, feed or seed by storage or disposal.

**Container Reuse:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**Refer to label booklet for Directions for Use.**

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(Base label for nonrefillable rigid containers larger than 5 gal):

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For control of annual and perennial weeds in Colorado, Idaho, Kansas<sup>†</sup>, Montana, Nebraska<sup>†</sup>, Nevada<sup>†</sup>, North Dakota, Oklahoma<sup>†</sup>, Oregon<sup>†</sup>, South Dakota, Utah, Washington<sup>†</sup> and Wyoming

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**Avoid contact of herbicide with foliage, green stems, exposed non-woody roots or fruit of crops desirable plants and trees, because severe injury or destruction may result.**

Active Ingredient(s):

glyphosate: N-(phosphonomethyl)glycine, isopropylamine salt .....	41.0%
2,4-D: 2,4-dichlorophenoxyacetic acid, isopropylamine salt .....	4.2%
Other Ingredients .....	54.8%
Total Ingredients .....	100.0%

Contains 4 lb/gallon (480 grams per litre) glyphosate, isopropylamine salt.  
Contains 0.4 lb/gallon (49 grams per litre) 2,4-dichlorophenoxyacetic acid, isopropylamine salt.

**Keep Out of Reach of Children**  
**CAUTION**

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### Precautionary Statements

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#### Hazards to Humans and Domestic Animals

**Causes Moderate Eye Irritation**

**Avoid contact with eyes or clothing.**

#### Personal Protective Equipment (PPE)

**All mixers, loaders, applicators, flaggers, and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks.
- Chemical-resistant gloves, when applying postharvest dips or sprays to citrus, applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.
- Protective eyewear
- Chemical resistant apron when applying postharvest dips or sprays to citrus, 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 (Personal Protective Equipment). 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 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.

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- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on 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 eye. Call a poison control center or doctor for treatment advice.

#### HOT LINE NUMBER

Have the product container or label with you when calling poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994, for emergency medical treatment information.

### Environmental Hazards

This pesticide may be toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark except as noted on appropriate labels. 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 rinsate.

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.

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### Agricultural Use Requirements

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**Storage and Disposal**

**Pesticide Storage:** Do not contaminate water, food, feed or seed by storage or disposal.

**Container Reuse:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

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. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**Refer to label booklet for Directions for Use.**

**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.**

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(cover):

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**Refer to inside of label booklet for Directions for Use.**

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## Precautionary Statements

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### Hazards to Humans and Domestic Animals

# CAUTION

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Follow manufacturer's instructions for cleaning/maintaining PPE (Personal Protective Equipment). 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 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 Protections 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 immediately if pesticide gets inside. Then wash thoroughly and put on 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 eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994, for emergency medical treatment information.

#### Environmental Hazards

This pesticide may be toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark except as noted on appropriate labels. 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 rinsate.

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.

### Physical or Chemical Hazards

Spray solutions of this product should be mixed, stored and applied using only stainless steel, aluminum, fiberglass, plastic or plastic lined containers.

**Do not mix, store or apply this product or spray solutions of this product in galvanized steel or unlined steel (except stainless steel) containers or spray tanks.** This product, or spray solutions of this product react with such containers and tanks to produce hydrogen gas that may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

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### Directions for Use

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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 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 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
- Protective Eyewear
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks

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**Non-Agricultural Use Requirements**

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

Do not enter or allow people (or pets) to enter the treated area until sprays have dried

**Storage and Disposal**

**Pesticide Storage:** Do not contaminate water, food, feed or seed by storage or disposal.

**Nonrefillable containers 5 gallons or less:**

**Container Reuse:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

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 recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**Refillable containers larger than 5 gallons:**

**Container Reuse:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**Nonrefillable containers larger than 5 gallons:**

**Container Reuse:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available.

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. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**Geographic Restrictions**

**Use of GlyMix\* MT herbicide is limited to Colorado, Idaho, Kansas<sup>†</sup>, Montana, Nebraska<sup>†</sup>, Nevada<sup>†</sup>, North Dakota, Oklahoma<sup>†</sup>, Oregon<sup>†</sup>, South Dakota, Utah, Washington<sup>†</sup> and Wyoming**

**<sup>†</sup> This product IS AUTHORIZED FOR USE ONLY WITHIN SPECIFIC counties in Kansas, Nebraska, Nevada, Oklahoma, Oregon and Washington. Refer to the listing below for the counties WHERE USE IS PERMITTED within these states.**

**KANSAS:** Barber, Barton, Cheyenne, Clark, Comanche, Cowley, Decatur, Edwards, Ellis, Ellsworth, Finney, Ford, Gove, Graham, Grant, Gray, Greeley, Hamilton, Harper, Haskell, Hodgeman, Kearny, Kingman, Kiowa, Lane, Lincoln, Logan, Meade, Mitchell, Morton, Ness, Norton, Osborne, Pawnee, Pratt, Rawlins, Reno, Rice, Rooks, Rush, Russell, Scott, Sedgwick, Seward, Sheridan, Sherman, Stafford, Stanton, Stevens, Sumner, Thomas, Trego, Wallace, and Wichita.

**NEBRASKA:** Arthur, Banner, Box Butte, Chase, Cheyene, Dawes, Deuel, Dundy, Frontier, Garden, Grant, Hayes, Hitchcock, Hooker, Keith, Kimball, Lincoln, McPherson, Morrill, Perkins, Red Willow, Scotts Bluff, Sheridan, and Sioux.

**NEVADA:** Churchill, Elko, Humboldt, Lyon, and Pershing.

**OKLAHOMA:** Alfalfa, Beaver, Blaine, Canadian, Cimarron, Custer, Dewey, Ellis, Garfield, Grant, Harper, Kay, Kingsfisher, Logan, Major, Noble, Pawnee, Payne, Roger Mills, Texas, Woods, and Woodward.

**OREGON:**

Baker, Crook, Deschutes, Gilliam, Grant, Harney, Hood River, Jefferson, Malheur, Morrow, Sherman, Umatilla, Union, Wallowa, Wasco, and Wheeler.

**WASHINGTON:** Adams, Asotin, Benton, Chelan, Columbia, Douglas, Ferry, Franklin, Garfield, Grant, Kittitas, Klickitat, Lincoln, Okanogan, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman, and Yakima.

## **GENERAL INFORMATION**

### **(How this Product Works)**

**Product Description:** GlyMix\* MT herbicide is a postemergent, systemic herbicide. It is generally non-selective and gives broad-spectrum control of many annual weeds, perennial weeds, woody brush and trees.

**Time to Symptoms:** This product moves through the plant from the point of foliage contact to and into the root system. Visible effects on most annual weeds occur within 2 to 4 days, but on most perennial weeds may not occur for 7 days or more. Extremely cool or cloudy weather following treatment may slow activity of this product and delay development of visual symptoms. Visible effects are a gradual wilting and yellowing of the plant that advances to complete browning of aboveground growth and deterioration of underground plant parts.

**Stage or Condition of Weeds:** Weeds must be emerged at the time of application to be controlled by this product. Weeds germinating from seed after application will not be controlled. Unemerged plants arising from unattached underground rhizomes or rootstocks of perennials will not be affected by the herbicide and will continue to grow.

Weeds under poor growing conditions such as drought stress, disease or insect damage, may absorb less herbicide resulting in reduced weed control. Reduced results may also occur when treating weeds heavily covered with dust.

Reduced control may result when applications are made to annual or perennial weeds that have been mowed, grazed, or cut, and have not been allowed to regrow to the recommended stage for treatment.

Refer to the annual, perennial, woody brush and trees rate tables for recommendations for specific weeds.

**Rainfastness:** Heavy rainfall soon after application may wash this product off of the foliage and a repeat application may be required for adequate control.

**Spray Coverage:** For best results, spray coverage should be uniform and complete. However, spraying herbicide solution to the point of runoff is wasteful and should be avoided.

**Biological Degradation:** Degradation of this product is primarily a biological process carried out by soil microbes.

**Tank Mixing:** This product does not provide residual weed control. For subsequent residual weed control, follow a label-approved herbicide program. Read and carefully observe the cautionary statements and all other information appearing on the labels of all herbicides used. Use according to the most restrictive label directions for each product in the mixture.

Buyer and all users are responsible for all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not expressly recommended in this labeling. Mixing this product with herbicides or other materials not recommended on this label may result in reduced performance.

**Annual Maximum Use Rate:** Except as otherwise specified in a crop section of this label, the combined total of all treatments must not exceed 8 quarts (0.8 lb ae 2,4-D) of this product per acre per year.

For noncrop uses, the combined total of all treatments must not exceed 10.6 quarts (1.06 lb ae 2,4-D) of this product per acre per year.

The maximum use rates stated throughout this product's labeling apply to this product combined with the use of all other herbicides containing glyphosate or sulfosate as the active ingredient, whether applied as mixtures or separately. Calculate the application rates and ensure that the total use of this and other glyphosate or sulfosate containing products does not exceed stated maximum use rate.

## MIXING

Reduced results may occur if water containing soil is used, such as visibly muddy water or water from ponds and ditches that is not clear.

### Mixing with Water or Liquid Nitrogen Solutions

This product mixes readily with water. Mix spray solutions of this product as follows: Fill the mixing or spray tank with the required amount of water. Add the recommended amount of this product near the end of the filling process. Where nonionic surfactant is recommended, add this to the spray tank before completing the filling process. Mix well. Use caution to avoid siphoning back into the carrier source. Use approved anti-back-siphoning devices where required by state or local regulations. During mixing and application, foaming of the spray solution may occur. To prevent or minimize foam, avoid the use of mechanical agitators, terminate by-pass and return lines at the bottom of the tank and, if needed, use an approved anti-foam or defoaming agent.

**Note:** Before mixing this product or labeled tank mixtures of this product with liquid nitrogen solutions, the planned combination should be tested for compatibility. Use 10 to 60 gallons of nitrogen solution per acre.

**Tank Mixing Procedure**

Mix labeled tank mixtures of this product with water as follows:

1. Place a 20 to 35 mesh screen or wetting basket over filling port.
2. Through the screen, fill the spray tank one-half full with water and start agitation.
3. If a wettable powder is used, make a slurry with the water carrier, and add it **slowly** through the screen into the tank. Continue agitation.
4. If a flowable formulation is used, premix one part flowable with one part water. Add diluted mixture **slowly** through the screen into the tank. Continue agitation.
5. If an emulsifiable concentrate formulation is used, premix one part emulsifiable concentrate with two parts water. Add diluted mixture slowly through the screen into the tank. Continue agitation.
6. Continue filling the spray tank with water and add the required amount of this product near the end of the filling process.
7. Where nonionic surfactant is recommended, add this to the spray tank before completing the filling process.
8. Add individual formulations to the spray tank as follows: wettable powder, flowable, emulsifiable concentrate, drift control additive, water soluble liquid followed by surfactant.

Maintain good agitation at all times until the contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation is required to resuspend the mixture before spraying is resumed.

Keep by-pass line on or near the bottom of the tank to minimize foaming. Screen size in nozzle or line strainers should be no finer than 50 mesh.

Always predetermine the compatibility of labeled tank mixtures of this product with water carrier by mixing small proportional quantities in advance.

Refer to the "Tank Mixing" section of "GENERAL INFORMATION" for additional precautions.

**Mixing for Hand-held Sprayers**

Prepare the desired volume of spray solution by mixing the amount of this product in water as shown in the following table:

**Spray Solution**

Spray Concentration (percent)	Amount of GlyMix MT for Desired Volume:		
	1 gal	25 gal	100 gal
1/2%	2/3 fl oz	1 pt	2 qt
1%	1 1/3 fl oz	1 qt	1 gal
1 1/2%	2 fl oz	1 1/2 qt	1 1/2 gal
2%	2 2/3 fl oz	2 qt	2 gal
5%	6 1/2 fl oz	5 qt	5 gal
10%	13 fl oz	10 qt	10 gal

2 tablespoons = 1 fluid ounce

For use in knapsack sprayers, it is suggested that the recommended amount of this product be mixed with water in a larger container. Fill sprayer with the mixed solution.

**Nonionic Surfactants**

Nonionic surfactants that are labeled for use with herbicides may be used with this product and labeled tank mixtures. The use of surfactants as additives does not reduce the application rate of this product required to achieve weed control. When adding additional surfactant, use 0.5 percent concentration (2

quarts per 100 gallons of spray solution) of surfactant containing at least 70 percent active ingredient or a 1 percent concentration (4 quarts per 100 gallons of spray solution) for those containing less than 70 percent active ingredient. Read and carefully observe cautionary statements and other information appearing on the surfactant label.

**Note:** Use of herbicides at lower than label recommended rates will result in reduced performance.

#### **Ammonium Sulfate**

The addition of 1 to 2 percent dry ammonium sulfate by weight or 8.5 to 17 pounds per 100 gallons of water may increase the performance of this product, particularly when tank mixed with certain residual herbicides on annual and perennial weeds. The equivalent rate of ammonium sulfate in a liquid formulation may also be used. Ensure that ammonium sulfate is completely dissolved in the spray tank before adding herbicides or surfactant. Thoroughly rinse the spray system with clean water after use to reduce corrosion.

**Note:** The use of ammonium sulfate as an additive does not preclude the need for additional surfactant. Recommended rates for herbicides and surfactant should be maintained when adding ammonium sulfate.

#### **Colorants or Dyes**

Agriculturally-approved colorants or marking dyes may be added to this product. Colorants or dyes used in spray solutions of this product may reduce performance, especially at lower rates or higher dilutions. Use colorants or dyes according to the manufacturer's recommendations.

#### **Drift Control Additives**

Drift control additives may be used with all equipment types. When a drift control additive is used, read and carefully observe the cautionary statements and all other information appearing on the additive label.

## **APPLICATION EQUIPMENT AND TECHNIQUES**

This product may be applied with the following application equipment:

**Aerial--Fixed Wing and Helicopter**

**Ground Broadcast Spray--Boom or boomless systems, pull-type sprayer, floaters, pick-up sprayers, spray coupes and other ground broadcast equipment.**

**Hand-Held and High-Volume Spray Equipment--Knapsack and backpack sprayers, pump-up pressure sprayers, handguns, handwands, lances and other hand-held and motorized spray equipment used to direct the spray onto weed foliage.**

**Injection Systems--Aerial or ground injection sprayers.**

## **ATTENTION**

**Avoid contact of herbicide with foliage, green stems, exposed non-woody roots or fruit of crops desirable plants and trees, because severe injury or destruction may result. Avoid drift. Extreme care must be used when applying this product to prevent injury to desirable plants and crops.**

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

**Apply these spray solutions in properly maintained and calibrated equipment capable of delivering desired volumes. Clean sprayer parts immediately after using this product by thoroughly flushing with water and an approved cleaning agent.**

## **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, chemigation) 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 Coarse or coarser spray (ASAE 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 (ASAE 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 not sensitive areas (including, but not limited to, residential areas, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind. If applying a Medium spray, leave one swatch 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: a) conditions of temperature inversion exist, or b) 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 plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, fruit trees, grapes (in growing stage), 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 application equipment 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.

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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 upwind.

### **Ground Boom Application**

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

## **CROPS (ALPHABETICAL)**

This section is organized alphabetically by crop category. There may be several labeled crops listed in a crop category.

Unless otherwise specified, applications may be made to control any weeds listed in the annual and perennial tables.

### **Precautions, Restrictions for all Crop Uses:**

- For any crop not listed in this "CROPS" section, applications must be made at least 30 days prior to planting.
- For Spot Treatments in labeled crops, do not treat more than 10 percent of the total field area to be harvested. The crop receiving spray in the treated area will be killed. Avoid drift or spray outside target area for the same reason.
- For Broadcast Postemergent Treatments, do not graze, harvest or feed treated vegetation for 8 weeks following application unless otherwise specified.

## **Cereal Crops**

**Labeled Crops:** Feed barley, Millet (Pearl, Proso), Oats, Rye, Triticale, and Wheat (All)

**Types of Applications:** Preplant, preemergence, at-planting, spot treatment, post-harvest, preharvest (wheat and feed barley only).

### **Preplant, preemergence, at-planting**

**Use Instructions:** This product may be applied prior to emergence of labeled crops.

**Precautions, Restrictions:** Do not exceed 2 quarts per acre (0.2 lb ae 2,4-D)

### **Spot treatment**

**Use Instructions:** This product may be applied as a spot treatment in labeled cereal crops. Apply this product before heading in small grains.

### **Preharvest (wheat, feed barley)**

**Use Instructions:** This product provides weed control when applied prior to harvest of wheat or barley. Apply after the hard-dough stage of grain (30 percent or less grain moisture). This product may be applied using either aerial or ground spray equipment.

**Precautions, Restrictions:** Do not apply more than 1 quart of this product per acre (0.1 lb ae 2,4-D). Since herbicide treatment may reduce germination or vigor, it is not advised to treat wheat or barley grown for seed. Allow at least 14 days between application and harvest of grain. Allow 7 days between application and grazing or harvest of forage or straw. Make only one preharvest application per crop cycle. If tank mixed with additional 2,4-D, do not exceed 0.5 lb ae 2,4-D per application.

### **Postharvest**

**Use Instructions:** This product may be applied after harvest of cereal crops. Higher rates may be required for control of large weeds that were growing in the crop at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Allow at least 7 days between application and harvest of forage or hay. Do not apply within 30 days of a previous application of 2,4-D. If tank mixed with additional 2,4-D, do not exceed 2.0 lbs ae 2,4-D per application or 4.0 lbs ae 2,4-D per acre per season. Plant only labeled crops within 29 days following application.

### Conservation Reserve Program (CRP)

**Types of Applications:** Renovation (rotating out of CRP), postemergence, site preparation.

#### Renovation (rotating out of CRP), Site preparation

**Use Instructions:** This product may be used to prepare CRP land for crop production.

**Precautions, Restrictions:** For any crop not listed in this "CROPS" section, applications must be made at least 30 days prior to planting. 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.

#### Postemergence

**Use Instructions:** This product may be used to suppress competitive growth and seed production of undesirable vegetation in CRP acres. Such applications may be made as a broadcast or spot treatment to dormant CRP grasses. For selective applications with broadcast spray equipment, apply 8 to 10 fluid ounces (0.025 to 0.03 lb ae 2,4-D) of this product per acre in early spring before desirable CRP grasses, such as crested and tall wheatgrass, break dormancy and initiate green growth. Late fall applications can be made after desirable perennial grasses have reached dormancy.

**Precautions, Restrictions:** Some stunting of CRP perennial grasses will occur if broadcast applications are made when plants are not dormant. Do not harvest forage for hay within 7 days of application.

### Corn

**Types of Corn:** Field corn, seed corn, sweet corn and popcorn

**Types of Applications:** Preplant, preemergence, at-planting, spot treatment, preharvest, post-harvest

#### Preplant, Preemergence and At-Planting

**Use Instructions:** This product may be applied before, during or after planting corn. Apply up to 2 quarts (0.2 lb ae 2,4-D) of this product per acre. Applications must be made prior to emergence of the crop.

The following herbicide products in tank mixtures may be applied before, during or after planting in conventional tillage systems, into a cover crop, established sod or in previous crop residue.

Atrazine	Extrazine	Lorox
Banvel	Frontier	Marksman
Bicep	Guardsman	Micro-Tech
Bicep II	Harness	Partner
Bladex/Cyanazine	Harness Xtra	Prowl/Pendimax
Broadstrike	Harness Xtra 5.6L	Simazine
Bullet	Lariat	Surpass EC
Dual	Lasso/Alachlor	TopNotch*
Dual II	Linex	

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For improved burndown, this product may be tank mixed with 2,4-D or dicamba.

**Precautions, Restrictions:** Applications of dicamba must be made at least 7 days prior to planting corn. Make only one application per crop cycle. If tank mixed with additional 2,4-D, do not exceed 1.0 lb ae 2,4-D per application.

### Spot treatment

**Use Instructions:** For spot treatments, apply this product prior to silking of corn.

**Precautions, Restrictions:** Do not graze or feed treated forage for 7 days after spot treatments. Do not harvest sweet corn ears within 45 days of spot application.

### Preharvest

**Use Instructions:** Make applications at 35 percent grain moisture or less. Ensure that maximum kernel fill is complete and the corn is physiologically mature (black layer formed). For ground applications, apply up to 3 quarts (0.3 lb ae 2,4-D) of this product per acre. For aerial applications, apply up to 1 quart (0.1 lb ae 2,4-D) of this product per acre. Make only one application per crop cycle. If tank mixed with additional 2,4-D, do not exceed 1.5 lb ae 2,4-D per application.

**Precautions, Restrictions:** Allow a minimum of 7 days between application and harvest of grain or fodder. Do not apply preharvest to sweet corn. It is not recommended that corn grown for seed be treated because a reduction in germination or vigor may result.

### Post-harvest

**Use Instructions:** This product may be applied after harvest of corn. Higher rates may be required for control of large weeds that were growing in the crop at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used. Make only one application per crop cycle. If tank mixed with additional 2,4-D, do not exceed 0.5 lb ae 2,4-D per application. Plant only labeled crops within 29 days following application.

**Precautions, Restrictions:** Do not graze, harvest or feed treated vegetation for 7 days following application.

Apply a maximum of 3.0 lbs ae 2,4-D per crop cycle in preplant, preemergence, preharvest or postemergence applications combined.

## Fallow Systems

**Types of Applications:** Chemical fallow and aid-to-tillage

**Precautions, Restrictions:** Do not cut forage for hay within 7 days of application. Do not apply within 30 days of a previous application. For any crop not listed in this "CROPS" section, applications must be made at least 30 days prior to planting. If tank mixed with additional 2,4-D, do not exceed 2.0 lbs ae 2,4-D per application or 4.0 lbs ae 2,4-D per acre per season. Plant only labeled crops within 29 days following application.

### Chemical fallow

**Use Instructions:** This product may be applied during the fallow period prior to planting or emergence of any crop listed on this label. This product may be used as a substitute for tillage to control annual weeds in fallow fields. Also, broadcast or spot treatments will control or suppress many perennial weeds in

fallow fields. Ground or aerial application equipment may be used. Tank mixtures with 2,4-D, dicamba, Tordon™ 22K, atrazine or cyanazine may be used.

**Aid-to-tillage**

**Use Instructions:** This product may be used in conjunction with tillage practices in fallow systems or preplant to labeled crops to control downy brome, cheat, volunteer wheat, tansy mustard and foxtail. Apply 8 fluid ounces (0.025 lb ae 2,4-D) of this product in 3 to 10 gallons of water per acre. Make applications before weeds are 6 inches in height. Application must be followed by conventional tillage practices no later than 15 days after treatment and before regrowth occurs. Allow at least 1 day after application before tillage.

**Farmsteads**

**Types of Applications:** General nonselective weed control, trim-and-edge, chemical mowing

**General nonselective weed control, Trim-and-edge**

**Use Instructions:** This product may be used to control annual weeds and perennial weeds which are found in any part of the farmstead, including building foundations, along and in fences, shelterbelts, and equipment storage areas.

**Chemical mowing**

**Use Instructions:** This product will suppress perennial grasses listed in this section to serve as a substitute for mowing. Apply this product at rate of 6 to 8 fluid ounces per acre. Use 8 fluid ounces (0.025 lb ae 2,4-D) of this product per acre when treating tall fescue, fine fescue, orchardgrass or quackgrass covers. Use 6 fluid ounces (0.019 lb ae 2,4-D) of this product per acre when treating Kentucky bluegrass. Chemical mowing applications may be made along farm ditches and other parts of farmsteads.

**Precautions, Restrictions:** Use only in areas where some temporary injury or discoloration of perennial grasses can be tolerated.

**Grain Sorghum (Milo)**

**Types of Applications:** Preplant, preemergence, at-planting, spot treatment, postharvest

**Preplant, Preemergence, At-planting**

**Use Instructions:** This product may be applied before, during or after planting milo. Apply up to 1.5 quarts (0.15 lb ae 2,4-D) of this product per acre.

The following herbicide products in tank mixtures may be applied before, during or after planting in conventional tillage systems, into a cover crop, established sod or in previous crop residue.

Atrazine	Lariat
Bicep II	Lasso/Alachlor
Bullet	Micro-Tech
Dual II	Partner

**Precautions, Restrictions:** Under certain circumstances, an application of 2,4-D may result in reduced early growth vigor. Applications should be made 5-7 days prior to anticipated emergence of the crop to allow adequate dissipation of 2,4-D.

### Spot treatment

**Use Instructions:** This product may be applied as a spot treatment in grain sorghum. Make spot treatments before heading of milo.

**Precautions, Restrictions:** Allow at least 30 days between application and harvest. Do not ensile treated vegetation. Do not permit meat of dairy animals to consume treated crop as fodder or forage within 30 days after application.

### Postharvest

**Use Instructions:** This product may be applied after harvest of grain sorghum. Higher rates may be required for control of large weeds that were growing in the crop at the time of harvest. Tank mixtures with 2,4-D or dicamba may be used.

This product may be applied to grain sorghum (milo) stubble following harvest to suppress or control regrowth. Apply 1 quart of this product per acre for control, or 1.5 pints of this product per acre for suppression.

### Grass Seed Production

**Grazing Restrictions:** Do not graze lactating dairy animals on treated areas within 7 days after application. Do not harvest grass cut for hay from treated areas for 7 days. Withdraw meat animals from treated forage at least 3 days before slaughter.

### Site Preparation

**Types of Applications:** Site preparation, preplant, preemergence, renovation, spot treatments, creating rows in annual ryegrass.

### Preplant, Preemergence, Renovation

**Use Instructions:** This product may be applied before, during, or after planting or renovation of turf or forage grass areas grown for seed production. Applications MUST be made prior to the emergence of the crop to avoid crop injury. For maximum control of existing vegetation, delay planting to determine if any regrowth from escaped underground plant parts occurs. Where repeat treatments are necessary, sufficient regrowth must be attained prior to application. For warm-season grasses, such as bermudagrass, summer or fall applications provide best control.

**Precautions, Restrictions:** Tillage or renovation techniques such as vertical mowing, coring or slicing that disturb soil or underground plant parts should be avoided before treatment and should be delayed for 7 days after application to allow proper translocation into underground plant parts.

### Spot Treatments

**Use Instructions:** Use a 1-1.5 percent solution.

### Creating Rows in Annual Ryegrass

**Use Instructions:** Use 16-32 fluid ounces (0.05 to 0.1 lb ae 2,4-D) of this product per acre mixed with water. Use the higher rate when the ryegrass is greater than 6 inches tall. Best results are obtained when applications are made before the ryegrass reaches 6 inches in height.

**Precautions, Restrictions:** Set nozzle heights to allow the establishment of the desired row spacing while preventing spray droplets, spray fines, or drift to contact the ryegrass plants not treated. Use of low-pressure nozzles, or drop nozzles designed to target the application over a narrow band are recommended.

**Grower assumes all responsibility for crop losses from misapplication.**

## **Pastures**

**Types of Pastures:** Bahiagrass, bermudagrass, bluegrass, brome, fescue, orchardgrass, ryegrass, timothy, and wheatgrass.

**Types of Applications:** Preplant, preemergence, pasture renovation, spot treatment

### **Preplant, Preemergence and Pasture renovation**

**Use Instructions:** This product may be used to control perennial pasture species listed on this label prior to re-planting.

**Precautions, Restrictions:** Remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting.

### **Spot treatment**

**Use Instructions:** This product may be applied as a spot treatment in pastures. Applications may be made in the same area at 30-day intervals.

**Precautions, Restrictions:** For spot treatment, apply in areas where the movement of domestic livestock can be controlled. No more than one-tenth of any acre should be treated at one time. Remove domestic livestock before application and wait 14 days after application before grazing livestock or harvesting.

## **Rangelands**

**Types of Applications:** Postemergence

**Use Instructions:** This product will control or suppress many annual weeds growing in perennial cool and warm season grass rangelands.

Preventing viable seed production is key to the successful control and invasion of annual grassy weeds in rangelands. Follow-up applications in sequential years should eliminate most of the viable seeds.

Grazing of treated areas should be delayed to encourage growth of desirable perennials. Allowing desirable perennials to flower and reseed in the treated area will encourage successful transition.

Apply 12-16 fluid ounces (0.038 to 0.05 lb ae 2,4-D) of this product to control or suppress many weeds, including downy brome, cheat grass, cereal rye and jointed goatgrass in rangelands. Apply when most mature brome plants are in early flower and before the plants including seedheads turn color. Allowing for secondary weed flushes to occur in the spring following rain events further depletes the seed reserve, and encourages perennial grass conversion on weedy sites. Fall applications are possible and recommended where spring moisture is usually limited and fall germination allows for good weed growth.

Apply 16 fluid ounces when the medusahead has reached the 3-leaf stage. Delaying applications beyond this stage will result in reduced or unacceptable control. Fire may be useful in eliminating the thatch layer produced by slow decaying culms prior to application. Allow new growth to occur before spraying after a burn. Repeat applications in subsequent years may be necessary to eliminate the seedbank before reestablishing desirable perennial grasses in medusahead dominated rangelands.

**Precautions, Restrictions:** Slight discoloration of the desirable grasses may occur, but they will regreen and regrow under moist soil conditions as effects of this product wear off. Use of ammonium sulfate when spraying rangeland grasses with this product is not recommended. Do not make more than one application per year. Do not graze lactating dairy animals on treated areas within 7 days after application. Do not harvest grass cut for hay from treated areas for 30 days. Withdraw meat animals from treated forage at least 3 days before slaughter.

## Soybeans

**Types of Applications:** Preplant

**Use Instructions:** This product may be applied before planting soybeans. Applications must be made 5 days prior to planting of the crop. Under cold soil conditions, it is recommended to delay planting so that further time is available for the 2,4-D to dissipate from the soil.

The following herbicide products in tank mixtures may be applied before planting in conventional tillage systems, into a cover crop, established sod or in previous crop residue.

Canopy	Lasso/Alachlor	Prowl/Pendimax
Command	Linex	Pursuit
Dual	Lorox/Linuron	Pursuit Plus
Dual II	Lorox Plus	Scepter
Frontier	Micro-Tech	Sencor/Lexone
Fusion	Partner	Squadron
Gemini	Preview	Turbo

For improved burndown, this product may be tank-mixed with 2,4-D or 2,4-DB. See the 2,4-D label for intervals between application and planting, maximum rates per application and number of applications per crop cycle.

**Precautions, Restrictions:** 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 the planted seed is adequately covered. Do not make more than one application per season regardless of the application rate used. Do not apply more than 2 quarts (0.2 lb ae 2,4-D) per acre. Do not use on sandy soils with less than 1% organic matter. Do not allow livestock grazing or harvest hay, forage, or fodder from treated fields.

### ANNUAL WEEDS RATE TABLE (Alphabetically by Species)

Always use the higher rate of this product per acre within the recommended range when weed growth is heavy or dense or weeds are growing in an undisturbed (noncultivated) area.

For those rates less than 48 fluid ounces per acre, this product may be used up to 48 fluid ounces per acre where heavy weed densities exist.

**GlyMix MT plus other labeled herbicides:** For difficult-to-control weeds such as fall panicum, barnyardgrass, crabgrass, shattercane and broadleaf signalgrass up to 2 inches tall, and Pennsylvania smartweed up to 6 inches tall, apply this product at 2 pints per acre in labeled tank mixtures.

Tank mixing with soil residual herbicides when using rates of 1 quart per acre or less may result in reduced performance. Follow specific rate recommendations when tank mixing this product.

**Annual Weeds Rate Table**

Weed Species	Rate of GlyMix MT (Fluid Ounces Per Acre)				
	12	16	24	32	48
	Maximum Height/Length				
Barley	12"	-	-	-	-
Barnyardgrass	-	-	6"	12"	-
Bluegrass, annual	6"	-	-	-	-
Bluegrass, bulbous	-	6"	-	-	-
Brome, downy <sup>1,2</sup>	-	6"	12"	-	-
Buckwheat, wild	-	-	1"	2"	-
Buttercup	-	6"	12"	-	-
Cheat <sup>2</sup>	-	6"	-	-	-
Chickweed	-	6"	-	-	-
Cocklebur	-	12"	-	-	-
Corn	-	6"	-	-	-
Crabgrass	-	6"	12"	-	-
Dwarf dandelion	-	12"	-	-	-
Fall panicum	-	12"	-	-	-
Falseflax, smallseed	-	12"	-	-	-
Field pennycress	-	6"	-	-	-
Filaree	-	-	-	-	12"
Fleabane, hairy ( <i>Conyza bonariensis</i> )	-	6"	-	-	-
Florida pusley	-	-	-	12"	-
Foxtail, green	6"	12"	-	-	-
Foxtail, giant, bristly, yellow	-	6"	12"	-	-
Goatgrass, jointed	-	6"	-	-	-
Groundsel, common	-	6"	-	-	-
Henbit	-	6"	-	-	-
Horseweed/Marestail ( <i>Conyza canadensis</i> )	-	6"	-	-	-
Johnsongrass, seedling	-	12"	-	-	-
Kochia <sup>4</sup>	-	-	3-6"	12"	-
Lambsquarters	-	6"	-	-	-
Lettuce, prickly	-	-	6"	12"	-
London rocket	-	6"	-	-	-
Millet, wild proso	-	6"	12"	-	-
Morningglory ( <i>Ipomoea</i> spp.)	-	2"	-	-	-
Mustard, blue	6"	-	-	-	-
Mustard, tansy	6"	-	-	-	-
Mustard, tumble	6"	-	-	-	-
Mustard, wild	6"	-	-	-	-
Pigweed	-	12"	-	-	-
Rye, volunteer/cereal <sup>2</sup>	-	6"	12"	-	-
Ryegrass, Italian	-	-	-	6"	12"
Sandbur, field	-	6"	12"	-	-
Shattercane	12"	-	-	-	-
Shepherdspurse	-	6"	-	-	-
Sowthistle, annual	-	6"	-	-	-
Spurge, annual	-	6"	-	-	-
Stinkgrass	-	-	12"	-	-

Texas panicum	-	12"	-	-	-
Thistle, Russian	-	-	6"	12"	-
Wheat <sup>2</sup>	-	6"	18"	-	-
Wild oats	-	12"	-	-	-
Witchgrass	-	-	12"	-	-

<sup>1</sup> For control of downy brome in no-till systems, use 24 fluid ounces per acre.

<sup>2</sup> Performance is better if application is made before this weed reaches the boot stage of growth.

<sup>3</sup> Use 24 ounces per acre of this product to control wild buckwheat in the cotyledon to 2-leaf stage. Use 32 ounces per acre to control 2 to 4-leaf wild buckwheat. For improved control of wild buckwheat over 2 inches in size, use sequential treatments of 32 ounces followed by 32 ounces of this product or refer to the tank mix section of this label.

<sup>4</sup> Treatment of kochia in the "puffball" stage will result in reduced control.

**Annual Weeds -- Tank Mixtures with 2,4-D, Banvel or Tordon 22K Herbicides**

12 to 24 fluid ounces of this product plus 0.25 pound a.i. of Banvel or 0.5 pound a.i. of 2,4-D or 1 to 2 ounces of Tordon 22K per acre will control the following weeds with the maximum height or length indicated: 6": prickly lettuce, marestalk/horseweed (*Coryza canadensis*), morningglory (*Ipomoea spp.*), kochia (Banvel only); wild buckwheat (Tordon 22K only); 12" -- cocklebur, lambsquarters, pigweed, Russian thistle.

12 fluid ounces of this product plus 0.25 pound a.i. of Banvel or 0.5 pound a.i. of 2,4-D per acre will control foxtail up to 18".

Refer to the specific product labels for crop rotation restrictions and cautionary statements of all products used in tank mixtures. Some crop injury may occur if Banvel or Tordon 22K is applied within 45 days of planting.

**Annual Weeds -- Tank Mixtures with Atrazine or Bladex Herbicides for Fallow and Reduced Tillage Systems**

For use only in Colorado, Kansas, Nebraska, Oklahoma, Oregon, South Dakota, and Washington. In Oregon and Washington, do not exceed 1 pound atrazine per acre.

16 ounces of this product plus 1 to 2 pounds of atrazine or 2.4 to 4 pounds of cyanazine per acre will control the following weeds: Barnyardgrass (requires 26 ounces for control), Downy brome, Green foxtail, Lambsquarters, Prickly lettuce (*Lactuca serriola*), Tansy mustard, Pigweed, Field sandbur (*Cenchrus spp.*), Stinkgrass, Russian thistle (*Salsola kali*), Volunteer Wheat, Witchgrass (*Panicum capillare*) and Kochia (add 4 fluid ounces Banvel for control).

**Hand-Held and High-Volume Equipment**

For control of weeds listed in the annual weeds rate tables, apply a 0.5 percent solution of this product to weeds less than 6 inches in height or runner length. Apply prior to seedhead formation in grass or bud formation in broadleaf weeds. For annual weeds over 6 inches tall, or unless otherwise specified, use a 1 percent solution.

When using application methods that result in less than complete coverage, use a 5 percent solution.

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**PERENNIAL WEEDS RATE TABLE  
(Alphabetically by Species)**

Apply to actively growing perennial weeds.

**Note:** If weeds have been mowed or tilled, do not treat until plants have resumed active growth and have reached the recommended stages.

Repeat treatments may be necessary to control weeds regenerating from underground parts or seed. Repeat treatments must be made prior to crop emergence.

Unless otherwise stated, allow 7 or more days after application before tillage.

Best results are obtained when soil moisture is adequate for active weed growth.

Weed Species	Rate (qt/acre)	Water Volume (gpa)	Hand-Held (% Solution)
<b>Alfalfa</b>	<b>1 - 2</b>	<b>3 - 10</b>	<b>2%</b>
Make applications after the last hay cutting in the fall. Allow alfalfa to regrow to a height of 6 to 8 inches or more prior to treatment. Applications should be followed with deep tillage at least 7 days after treatment, but before soil freeze-up.			
<b>Bindweed, field</b>	<b>0.5 - 5.0</b>	<b>3 - 20</b>	<b>2%</b>
Do not treat when weeds are under drought stress as good soil moisture is necessary for active growth.  For suppression, apply 16 fl oz of this product plus 0.5 pound a.i. of 2,4-D or 0.25 pound a.i. of Banvel in 3 to 10 gallons of water per acre for ground applications and 3 to 5 gallons of water per acre for aerial applications. Apply by air in fallow and reduced tillage systems only. Applications should be delayed until maximum emergence has occurred and when vines are between 6 and 18 inches in length.			
<b>Blueweed, Texas</b>	<b>3 - 5</b>	<b>3 - 40</b>	<b>2%</b>
Apply 4 to 5 quarts of this product per acre. Apply when plants are at or beyond full bloom. New leaf development indicates active growth. For best results, apply in late summer or fall. Fall treatments must be applied before a killing frost.			
<b>Bromegrass, smooth</b>	<b>1 - 2</b>	<b>3 - 40</b>	<b>2%</b>
Apply 2 quarts of this product in 10 to 40 gallons of water per acre when most plants have reached boot-to-early seedhead stage of development. For partial control in pasture or hay crop renovation, apply 1 to 1.5 quarts of this product in 3 to 10 gallons of water per acre. Apply to actively growing plants when most have reached 4 to 12 inches in height.			
<b>Johnsongrass</b>	<b>0.5 - 3.0</b>	<b>3 - 40</b>	<b>1%</b>
In annual cropping systems apply 1 to 2 quarts of this product per acre. Apply 1 quart of this product in 3 to 10 gallons of water per acre. Use 2 quarts of this product when applying 10 to 40 gallons of water per acre. On farmstead sites or areas where annual tillage (no-till) is not practiced, apply 2 to 3 quarts of this product in 10 to 40 gallons of water per acre.  For best results, apply when most plants have reached the boot-to-head stage of growth or in the fall prior to frost. Allow 7 or more days after application before tillage.  For burndown of Johnsongrass, apply 1 pint of this product in 3 to 10 gallons of water per acre before the plants reach a height of 12 inches. For this use, allow at least 3 days after treatment before tillage.			

Spot treatment (partial control or suppression): Apply a 1 percent solution of this product when Johnsongrass is 12 to 18 inches in height. Coverage should be uniform and complete.			
<b>Nightshade, silverleaf</b>	<b>2</b>	<b>3 - 10</b>	<b>2%</b>
Applications should be made when at least 60 percent of the plants have berries. Fall treatments must be applied before a killing frost.			
<b>Quackgrass</b>	<b>1 - 3</b>	<b>3 - 40</b>	<b>2%</b>
In annual cropping systems, or in pastures and sods followed by deep tillage: Apply 1 quart of this product in 3 to 10 gallons of water per acre. For 10 to 40 gallons of water per acre, apply 2 quarts of this product. Spray when quackgrass is 6 to 8 inches in height. Do not till between harvest and fall applications or in fall or spring prior to spring application. Allow 3 or more days after application before tillage. In pastures or sods, use a moldboard plow for best results.  In pastures, sods or noncrop areas where deep tillage does not follow application: Apply 2 to 3 quarts of this product in 10 to 40 gallons of water per acre when the quackgrass is greater than 8 inches tall.			
<b>Ryegrass, perennial</b>	<b>1 - 3</b>	<b>3 - 40</b>	<b>1%</b>
In annual cropping systems apply 1 to 2 quarts of this product per acre. Apply 1 quart of this product in 3 to 10 gallons of water per acre. Use 2 quarts of this product when applying 10 to 40 gallons of water per acre. On farmstead sites or areas where annual tillage (no-till) is not practiced, apply 2 to 3 quarts of this product in 10 to 40 gallons of water per acre.  For best results, apply when most plants have reached the boot-to-head stage of growth or in the fall prior to frost.			
<b>Spurge, leafy</b>	<b>-</b>	<b>3 - 10</b>	<b>2%</b>
For suppression, apply 16 fluid ounces of this product plus 0.5 pound a.i. 2,4-D in 3 to 10 gallons of water per acre in the late summer or fall. If mowing has occurred prior to treatment, apply when most of the plants are 12 inches tall.			
<b>Thistle, Canada</b>	<b>2 - 3</b>	<b>3 - 40</b>	<b>2%</b>
Apply when most plants are at or beyond the bud stage of growth. After harvest, mowing, or tillage in the late summer or fall, allow at least 4 weeks for initiation of active growth and rosette development prior to the application of this product. Fall treatments must be applied before a killing frost. Allow 3 or more days after application before tillage.  For suppression, apply 1 quart of this product in 3 to 10 gallons of water per acre in the late summer or fall after harvest, mowing or tillage. Allow rosette regrowth to a minimum of 6 inches in diameter before treating. Applications can be made as long as leaves are still green and plants are actively growing at the time of application. Allow 3 or more days after application before tillage.  <b>Note:</b> Mixtures of 2,4-D with glyphosate products may result in reduced control of this weed. User should consider local conditions and previous local recommendations when applying this product. Based on historical performance, users in the Pacific Northwest are advised to avoid use of this product where this weed is the dominant species being treated.			
<b>Wheatgrass, western</b>	<b>2 - 3</b>	<b>3 - 40</b>	<b>2%</b>
For best results, apply when most plants have reached the boot-to-head stage of growth.			

**Hand-held or high volume equipment:** For best results, use a 2 percent solution on harder-to-control perennials, such as bermudagrass, dock, field bindweed, hemp dogbane, milkweed and Canada thistle. When using application methods that result in less than complete coverage, use a 5 percent solution for perennial weeds and a 5 to 10 percent solution for woody brush and trees.

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**Terms and Conditions of Use**

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If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. To the extent permitted by law, otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

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2. Replacement of amount of product used.

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