

Please read instructions on reverse before completing form.

Form Approved OMB No. 2070-0060 Approval expires 11-30-93

<b>(A)</b> 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460 <b>Application for Pesticide:</b>	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number <div style="font-size: 24pt; text-align: center;">193624</div>
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**Section I**

1 Company/Product Number DowElanco/62719-86	2 EPA Product Manager Joanne I. Miller	3 Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4 Company/Product (Name) DowElanco/Curtail M	PM# 23	
5 Name and Address of Applicant (Include ZIP Code) DowElanco 9330 Zionsville Road Indianapolis, IN 46268  <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. _____  Product Name _____	

**Section II**

<input type="checkbox"/> Amendment - Explain below  <input type="checkbox"/> Resubmission in response to Agency letter dated _____  <input checked="" type="checkbox"/> Notification - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____  <input type="checkbox"/> "Me Too" Application  <input type="checkbox"/> Other - explain below
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**Explanation:** Use additional page(s) if necessary (For section I and Section II.)

1. Added a boxed Agricultural Use Requirements referral statement to the main label which references the Agricultural Use Requirements box in the proposed supplemental labeling (label booklet).
2. Corrected the REI in the Agricultural Use Requirements section to read 48 hours instead of 12 hours.

**Section III**

<b>1. Material This Product Will Be Packaged In:</b>					
Child Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No  If "Yes," Unit Package wgt _____ No per container _____	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No  If "Yes," Package wgt. _____ No per container _____	2 Type of Container <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
3 Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4 Size(s) of Retail Container _____		5 Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6 Manner in Which Label is Affixed To Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other ( _____ )		

**Section IV**

<b>1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)</b>		
Name Dennis H. Lade, Ph.D.	Title Product Registration Manager	Telephone No. (Include Area Code) (317) 337-4685

**Certification**

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete to the best of my knowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6 Date Application Received (Stamped)
Signature 	3 Title Product Registration Manager	_____
Printed Name Dennis H. Lade, Ph.D.	5 Date January 17, 1994	

2043

## **Curtail\* M**

EPA Reg. No. 62719-86

**Final Printed Labeling:** Label text based on EPA-accepted copy dated March 1, 1991, and WPS revisions dated December 9, 1993.

**\*WPS revisions were accepted 12/09/93 with comments (Serious Error(s) on Submitted Labeling). The following corrections were made to final printed labeling in accordance with EPA instructions:**

1. Added a boxed Agricultural Use Requirements referral statement to the main label which references the Agricultural Use Requirements box in the the proposed supplemental labeling (label booklet).
2. Corrected the REI in the Agricultural Use Requirements section to read 48 hours instead of 12 hours.

**Other by Non-notification 01/09/96:**

1. Grammatical use of the Trademark Curtail M and trademarks of others corrected in label text.
2. Deleted specific reference to the non-ionic surfactant "X-77" in "Use of Surfactants" paragraph.

\*Trademark of DowElanco

E-413

(Base label):

(logo) DowElanco

## Curtail\* M

**For Selective Control of Broadleaf Weeds in Wheat and Barley Not Underseeded with a Legume, Fallow Cropland, Grasses Grown for Seed, and Conservation Reserve Program (CRP) Acres.**

**Active Ingredient(s):**

clopyralid: 3,6-dichloro-2-pyridinecarboxylic acid .....	5.0%
MCPA: 2-methyl-4-chlorophenoxyacetic acid, 2-ethylhexyl ester .....	43.4%
Inert Ingredients .....	51.6%
Total .....	100.0%

Contains Petroleum Distillates

**Acid Equivalents:**

3,6-dichloro-2-pyridinecarboxylic acid - 5.0% - 0.42 lb/gal  
 2-methyl-4-chlorophenoxyacetic acid, 27.8% - 2.35 lb/gal

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**Precautionary Statements**

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**Hazards to Humans and Domestic Animals****Keep Out of Reach of Children****CAUTION      PRECAUCION**

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.)

**Causes Eye Injury • Harmful If Swallowed, Inhaled, Or Absorbed Through Skin****Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist.****Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category B on an EPA chemical resistance category selections chart.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as Barrier Laminate or Butyl Rubber
- Shoes plus socks

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

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### Engineering Controls Statements

When handlers use enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protections Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### User Safety Recommendations

Users should:

- 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.

### Statement of Practical Treatment

**If in eyes:** Flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

**If on skin:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**If swallowed:** Do not induce vomiting. Call a physician immediately.

### Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

### Physical or Chemical Hazards

**Combustible - Do not use or store near heat or open flame. Do not cut or weld container.**

### Agricultural Use Requirements

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

**Refer to label booklet for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations and Directions for Use including Storage and Disposal.**

**Notice:** Read the entire label. Use only according to label directions. **Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.**

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

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

EPA Reg. No. 62719-86

EPA Est. 464-MI-1

\*Trademark of DowElanco  
DowElanco • Indianapolis, IN 46268 U.S.A.

## Herbicide

Net Contents XXX

50413

(Datapack cover):

(logo) DowElanco

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Total .....	100.0%

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**Keep Out of Reach of Children**

### CAUTION      PRECAUCION

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 DowElanco • indianapolis, IN 46268 U.S.A.

## Herbicide

**Net Contents XXX**

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(Page 1 through end):

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**Precautionary Statements**

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**Hazards to Humans and Domestic Animals****CAUTION            PRECAUCION**

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**Causes Eye Injury • Harmful If Swallowed, Inhaled, Or Absorbed Through Skin**

**Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist.**

**Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category B on an EPA chemical resistance category selections chart.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as Barrier Laminate or Butyl Rubber
- Shoes plus socks

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

**Engineering Controls Statements**

When handlers use enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protections Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
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**Statement of Practical Treatment**

**If in eyes:** Flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

**If on skin:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**If swallowed:** Do not induce vomiting. Call a physician immediately.

**Environmental Hazards**

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

**Physical or Chemical Hazards**

**Combustible - Do not use or store near heat or open flame. Do not cut or weld container.**

### 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 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
- Chemical-resistant gloves such as Barrier Laminate or Butyl Rubber
- Shoes plus socks

### Storage And Disposal

Do not contaminate water, food, or feed by storage or disposal. Store above 10°F or warm and agitate before use.

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

**Container Disposal (Metal):** Do not reuse container. Triple rinse (or equivalent). Puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Container Disposal (Plastic):** Do not reuse container. Triple rinse (or equivalent). Puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### General Use Precautions

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

Apply only once per 12-month period, except for grass grown for seed.

This product can affect susceptible broadleaf plants directly through foliage and indirectly by root uptake from treated soil. Therefore, do not apply Curtail\* M herbicide directly to or allow spray drift to come in contact with vegetables, flowers, grapes, tomatoes, potatoes, beans, lentils, peas, alfalfa, sunflowers, soybeans, safflower, or other desirable broadleaf crops and ornamental plants or soil where these sensitive crops will be planted the same season.

Residues of Curtail M in treated plant tissue, including the treated crop or weeds, which has not decayed may affect succeeding susceptible crops.

Wheat, barley, oats, grasses or sugar beets (including beets grown for seed) may be planted less than 12 months after treatment.

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**Rotation Crop Restrictions:**

- Do not plant Wheat, barley, oats, grasses and corn within 30 days after an application of Curtail M.
- Do not plant sugar beets (including beets grown for seed) in the same growing season following an application of Curtail M.
- Do not plant alfalfa, asparagus, canola, cole crops, grain sorghum, onions, popcorn, safflower, sweet corn, and strawberries for 12 months after an application of Curtail M.
- Do not plant dry beans, soybeans and sunflowers for 12 months after an application of Curtail M, or 18 months if soils contain less than 2% organic matter and natural precipitation is less than 15 inches during the 12 months following treatment. For these areas, see "Special Conditions" below.

To avoid potential phytotoxicity all other crops including peas, lentils, potatoes, and broadleaf crops grown for seed should not be planted for 18 months after treatment unless the risk of injury is acceptable.

**Special Conditions:** Residues of Curtail M in plant tissues which have not completely decayed may affect succeeding susceptible crops. In areas defined previously as low in organic matter and precipitation, sensitive crops such as dry beans, soybeans, and sunflowers may be injured when planted 12 months after treatment. Unless the risk of injury is acceptable, these crops should not be planted until 18 months after treatment. The potential for injury may be reduced by burning, removal, or incorporation of treated crop residues with a minimum of 2 supplemental Fall irrigations.

**Avoid Spray Drift**

Applications should be made to avoid spray drift since very small quantities of the spray, which may not be visible, may severely injure susceptible crops during both growing and dormant periods. Use coarse sprays to minimize drift since, under adverse weather conditions, fine spray droplets may drift a mile or more. Fine droplets can present a drift hazard. A drift control or deposition agent such as Nalco-Trol may be used with this product to aid in reducing spray drift. If used, follow all use recommendations and precautions on the product label.

**Ground Application:** To minimize spray drift, apply Curtail M in a total spray volume of 10 or more gallons per acre as a large-droplet, low pressure spray. Refer to manufacturer's recommendations for additional information on gallons per acre, spray pressure, sprayer speed, nozzle types and arrangements, nozzle heights above the target canopy, etc., for respective application equipment. Spot treatments should only be applied with a calibrated boom to prevent misapplication. With ground equipment, spray drift can be lessened by keeping the spray boom as low as possible; by applying no more than 20 gallons of spray per acre; by using no more than 30 pounds spraying pressure with large droplet-producing nozzle tips; by spraying when wind velocity is low; and by stopping all spraying when wind exceeds 6 to 7 miles per hour. Do not apply with hollow cone-type insecticide or other nozzles that produce a fine-droplet spray.

**Aerial Application:** With aircraft, drift can be lessened by applying a coarse spray; by using no more than 30 pounds spray pressure at the nozzles; by using straight-stream nozzles directed straight back; by using a spray boom no longer than 3/4 the wing span of the aircraft; and by spraying only when wind velocity is less than 6 mph.

**Do Not Apply By Aircraft When An Air Temperature Inversion Exists.** Such a condition is characterized by little or no wind and with lower air temperature near the ground than at higher levels. The use of smoke device on the aircraft or continuous smoke column at or near site of application will indicate air direction and velocity, and whether a temperature inversion is present, which is shown by layering of the smoke.

**Do not move treated soil** and avoid situations where treated soil particles may blow into areas where susceptible crops are grown. Violent windstorms may move soil particles. If this product is on soil particles and they are blown onto susceptible plants, visible symptoms may appear. Serious injury is unlikely. The hazard of movement of this product on dust is reduced if treated fields are irrigated or if rain occurs shortly after application.

Straw from treated areas, or manure from animals which have grazed treated areas, cannot be used for composting or mulching on ground where susceptible crops may be grown the following season. To promote herbicide decomposition, plant material should be evenly incorporated or burned.



Do not use in a greenhouse. Excessive amounts of this herbicide in the soil may temporarily inhibit seed germination or plant growth.

Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

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

**Do not transfer livestock** from treated grazing areas onto sensitive broadleaf crop areas without first allowing 7 days of grazing on an untreated pasture. Otherwise, urine may contain enough clopyralid to cause injury to sensitive broadleaf plants.

### Weeds Controlled

Curtail M is recommended for selective, post-emergence control of the following broadleaf weeds in wheat and barley not underseeded with a legume and land in the Conservation Reserve Program (CRP).

Alfalfa	Mustard, wild
Artichoke, Jerusalem	Nightshade, cutleaf
Buckwheat, wild	Nightshade, hairy
Buffalobur <sup>1</sup>	Pennycress, field (fanweed)
Burdock, common	Pigweed, redroot
Chamomile, false (scentless)	Pineappleweed
Chamomile, mayweed (dogfennel)	Plantain
Clover, sweet	Radish, wild
Clover, red	Ragweed, common
Cocklebur, common	Ragweed, giant
	Salsify, meadow (goatsbeard)
Coffeeweed	Shepherdspurse
Cornflower (bachelor button)	Sicklepod
Dandelion	Smartweed, Pennsylvania
Dock, curly	Sorrel, red
Flixweed <sup>1</sup>	Sowthistle, annual
Groundsel, common	Sowthistle, perennial <sup>1</sup>
Hawksbeard, narrowleaf	Starthistle, yellow
Horseweed	Sunflower, common
Jimsonweed	Tansymustard, pinnate <sup>1</sup>
Knapweed, diffuse	Thistle, Canada
Knapweed, Russian <sup>1</sup>	Thistle, musk
Knapweed, spotted	Thistle, Russian (1-3 leaf) <sup>1</sup>
Kochia (2-4 leaf) <sup>1</sup>	Velvetleaf
Ladysthumb	Vetch
Lambsquarters, common	Volunteer beans
Lettuce, prickly	Volunteer lentils
Marshelder	Volunteer peas
Mustard, tumble (Jim Hill)	

<sup>1</sup>These weeds may only be suppressed. Suppression is a visual reduction in weed competition (reduced population or vigor) as compared to untreated areas. The degree of weed control and duration of effect will vary with weed size and density, spray rate and coverage, and growing conditions before, during and after the time of treatment. **For perennial weeds**, Curtail M will control the initial top growth and inhibit regrowth during the season of application (season-long control). At higher rates shown on this label,

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Curtail M may cause a reduction in shoot regrowth in the season following application; however, plant response may be inconsistent due to inherent variability in shoot regrowth from perennial root systems.

**Timing:** Apply to actively growing weeds. Extreme growing conditions such as drought or near freezing temperatures prior to, at and following time of application may reduce weed control and increase the risk of crop injury at all stages of growth. **Only weeds which are emerged at the time of application will be affected.** Wet foliage at the time of application may decrease control. Following application, Curtail M will be rainfast within 6-8 hours.

**Rate:** Generally, lower labeled application rates will be satisfactory for young, succulent growth of sensitive weed species. For less sensitive species, perennials and under conditions where control is more difficult (plant stress conditions such as drought or extreme temperatures, dense weed stands and/or larger weeds) the higher rates will be needed. Weeds in fallow or other areas where crop competition is not a factor will generally require higher rates to obtain control or suppression.

**Coverage:** Adequate spray coverage and drift control are important. Obtaining a balance between spray coverage and drift control may sometimes be difficult but can be achieved, provided the applicator understands the factors affecting coverage and drift. Factors affecting spray coverage include spray volume, crop canopy and weed density. As crop canopy and weed density increase, spray volume should be increased to obtain equivalent weed control. Refer to manufacturer's recommendations for information on the relationship between gallons per acre, spray pressure, sprayer speed, nozzle type and arrangement, nozzle height above the target canopy, droplet size and drift potential for respective application equipment. Do not apply less than 2 and not more than 40 gallons per acre total spray volume. For best results, apply 5 or more gallons per acre by air and 10 or more gallons per acre by ground. Reducing total spray volume may result in decreased coverage and weed control. Use enough total spray volume and a delivery system to provide thorough coverage and a uniform spray pattern. Do not apply where spray drift may be a problem due to proximity of susceptible crops or other desirable plants.

**Use of Surfactants:** Addition of wetting and/or penetration agents is not usually necessary when using Curtail M; however, if a surfactant will be added to the spray solution, use a non-ionic surfactant approved for use in growing crops of at least 80% active ingredient and **do not exceed 4 pints per 100 gallons of spray solution (0.5% v/v)**. Adding a surfactant to the spray mixture may increase effectiveness on weeds but may reduce selectivity to the crop, particularly under conditions which promote plant stress.

#### **Use With Sprayable Liquid Fertilizer Solutions:**

Curtail M is compatible with most non-pressurized liquid fertilizer solutions; however, if these solutions are to be sprayed with Curtail M, a compatibility test (jar test) should be made prior to mixing. Jar tests are particularly important when a new batch of fertilizer or pesticide is used, when water source changes, or when tank mixture ingredients or concentrations are changed. A compatibility test is performed by pouring the spray components (in the desired order and proportions) into a clear glass jar before mixing in the spray tank. Use of a compatibility aid such as Unite or Compex may help obtain and maintain a uniform spray solution during mixing and application. Agitation in the spray tank must be vigorous to compare with jar test agitation. For best results, liquid fertilizer rates should not exceed 50% of the total spray volume. Premix Curtail M with water and add to the liquid fertilizer/water mixture while agitating contents of the spray tank. Apply the spray the same day it is prepared while maintaining continuous agitation.

**NOTE:** Foliar-applied liquid fertilizers can cause yellowing or leaf burn of crop foliage.

#### **Wheat, Barley and Oats**

**Timing:** Apply Curtail M in the spring to actively growing wheat, barley or oats once 3 leaves have unfolded on the main stem up to the jointing stage (first node of main stem detectable). To control or suppress weeds listed above, make application after maximum emergence of the target weeds but before they exceed 3 inches in height or diameter (for rosettes). To obtain season-long control of perennial weeds such as Canada thistle, apply **after** the majority of the weed's basal leaves have emerged from the soil, but before bud stage. A later timing of application (when the grain is between the jointing and boot stages) may be used to treat later-emerging weeds; however, do not apply unless the risk of injury is acceptable. Do not apply after the boot stage.

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**NOTE:** Do not permit dairy animals or meat animals being finished for slaughter to forage or graze treated grain fields within 1 week after treatment. Do not harvest hay from treated grain fields.

**Rate:** Apply 1 3/4 to 2 1/3 pints of Curtail M per acre. The higher rate may be used when the condition of the weeds and/or crop at the time of treatment may prevent optimum control.

**Note:** Higher rates of Curtail M, or any application of Curtail M following a spring post-emergence treatment with 2,4-D or MCPA, may increase the risk of crop injury.

**Tank Mixtures for Wheat, Barley and Oats:** This product may be tank mixed with the following herbicides for control of additional weeds in wheat, barley and oats. Read and follow the label of each tank mix product used for precautionary statements, directions for use, weeds controlled and geographic and other restrictions. When tank mixing, use in accordance with the most restrictive of label limitations and precautions. No label dosages should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

Active Ingredient	Product	Formulation	Amount of Product Per Acre
chlorsulfuron	Glean	75% DF	1/6 to 1/4 wt oz
dicamba <sup>1,2</sup>	Banvel	4 lb/gal	1/8 to 1/4 pt
difenzoquat <sup>3</sup>	Avenge	2 lb/gal	2 1/2 to 4 pt
diuron	Direx 4L	4 lb/gal	1 to 1 1/2 pt
	Diuron 4L		
	Diuron 80 WDG	80% DF	1/2 to 1 lb
	Diuron DF	80% WP	
2,4-D <sup>2,3</sup>		4 lb/gal	Up to 1/2 pt
metribuzin <sup>3</sup>	Lexone DF	75% DF	2 1/2 to 4 wt oz
	Sencor DF		
metsulfuron methyl <sup>3</sup>	Ally	60% DF	1/10 wt oz
terbutryn <sup>3</sup>	Igran 80 WP	80% WP	6 to 10 wt oz
tribenuron methyl and thifensulfuron methyl <sup>3</sup>	Harmony Extra	75% DF	1/3 to 1/2 wt oz
tribuneron methyl <sup>3</sup>	Express	75% DF	1/6 to 1/4 wt oz

<sup>1</sup>Tank mixes of Banvel and Curtail M may be useful in broadening the annual weed control spectrum but may reduce control of perennials, such as Canada thistle.

<sup>2</sup>**Note:** Do not tank mix Curtail M with 2,4-D or dicamba unless the risk of crop injury is acceptable.

<sup>3</sup>Tank mix for application on wheat and barley only.

### Grasses Grown for Seed

**Timing:** Apply only to established grasses before the boot stage. Applications in the boot stage and beyond will result in increased injury. Do not apply to bentgrass unless injury can be tolerated. Potential for crop injury increases with higher rates. Re-treat as necessary but do not exceed 3 1/2 pints per acre of Curtail M per season. For control of late-emerging Canada thistle, a pre-harvest treatment may be made after grass seed is fully developed. Treatment of Canada thistle in the bud stage and later may result in less consistent control. Post-harvest fall treatments may be made to actively growing Canada thistle after the majority of basal leaves have emerged.

**Rate:** Use 1 3/4 to 3 1/2 pints of Curtail M per acre for control of annual weeds and Canada Thistle. The potential for crop injury exists due to the 2,4-D component of this product and must be balanced against the benefits of improved weed control.

DATE

**Tank Mixtures For Grasses Grown For Seed:** Curtail M at 1 3/4 pints per acre may be tank mixed with Banvel or Buctril to improve the control of certain weeds. Refer to the "Small Grains Table" for use rates and tank mix guidelines.

**Conservation Reserve Program (CRP) For Seeding To Permanent Grasses Only**

**Do not use Curtail M if legumes or bentgrass are a desired cover during CRP.**

**Timing:** Curtail M can be applied when perennial grasses have become established (tillering, with at least 1.5 inch long secondary roots, and good vigor). For control of weeds such as musk thistle, Canada thistle and knapweed (diffuse, spotted and Russian), apply to actively growing weeds after the majority of the basal leaves have emerged, but before bud stage. Later applications may result in less consistent control.

In fields with heavy weed density which are to be planted to CRP grasses, a pre-seeding application may be made. In general, cropland to be planted to CRP in the spring should be treated the previous fall and cropland to be planted to CRP in the fall should be treated the previous spring or summer. A pre-seeding treatment with Curtail M may cause visible injury and reduced seed production in some newly planted grass stands; however, grass stand establishment should be improved because of reduced weed competition. Wait at least 30 days after a treatment with Curtail M before seeding grasses.

After CRP, do not plant broadleaf crops in treated areas until an adequately sensitive bioassay shows that no detectable clopyralid is present in the soil.

**Rate:** Apply 1 3/4 to 4 3/4 quarts of Curtail M per acre. Do not exceed 1 3/4 quarts per acre for pre-seeding treatment.

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**Warranty Disclaimer**

DowElanco warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. DowElanco MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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**Inherent Risks of Use**

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of DowElanco or the seller. All such risks shall be assumed by buyer.

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**Limitation of Remedies**

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used

DowElanco shall not be liable for losses or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the "Warranty Disclaimer" above and this "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElanco or the seller is

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authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

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