

15-OCT-2004 Notification received of a label change. See below for this change.

20-MAR-2007 - Allergen statement updated

**MON 7985®
HERBICIDE**

Granular herbicide for Fall and Spring treatment to control wild oats and wild millet (green and yellow foxtail) in Spring and Durum Wheat, Spring Barley, Rapeseed (including Canola), Flax (not including low linolenic acid varieties), and Mustard.

REGISTRATION NO. 22664 PEST CONTROL PRODUCTS ACT

COMPLETE DIRECTIONS FOR USE

AGRICULTURAL

READ THE LABEL BEFORE USING

IMPORTANT NOTE: Before use, recalibrate application equipment.

GUARANTEE: TRIALLATE - 10% TRIFLURALIN - 3%

NET CONTENTS: Warning, contains the allergen soy.



®Registered trademark of Monsanto Company U.S.A.

Monsanto Canada Inc. is a registered user.

©Monsanto Company 1994

**MONSANTO CANADA INC.
67 Scurfield Blvd.
Winnipeg, Manitoba R3Y 1G4**

**GOWAN COMPANY □
370 SOUTH MAIN STREET □
YUMA AZ 85364 □
UNITED STATES**



Read the entire label before using this product.

Use only according to label directions.

Read NOTICE before buying or using. If notice terms are not acceptable, return at once unopened.

GROUP 3 8 HERBICIDES

NOTE: Populations of green foxtail tolerant to trifluralin have developed in a number of fields in Western Canada which have a long history of repeated trifluralin use. Trifluralin or ethalfluralin containing products (i.e. ADVANCE(R), HERITAGE(R), RIVAL(R), TREFLAN(R), TRIFLUREX(R), MON 7985®, MON 7985, and EDGE(R)) will not control trifluralin-tolerant green foxtail. To delay selection or reduce the spread of trifluralin-tolerant green foxtail, avoid use of these products repeatedly in the same field, or use a separate non-trifluralin herbicide application for control of trifluralin-tolerant green foxtail.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

MAY CAUSE SKIN AND EYE IRRITATION.

MAY BE HARMFUL IF SWALLOWED.

Wash thoroughly after handling.

Do not take internally.

Do not get in eyes or on skin or on clothing.

Launder clothes before reuse.

If this control product is to be used on a commodity that may be exported to the U.S., and you require information on acceptable residue levels in the U.S., contact 1-866-375-4648 or www.cropro.org/.

FIRST AID

IF IN EYES, **IMMEDIATELY** flush with plenty of water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or contact a poison control centre **IMMEDIATELY**.

IF ON SKIN, **IMMEDIATELY** flush with plenty of water for at least 15 minutes; remove contaminated clothing. Wash clothing before reuse.

IF SWALLOWED, induce vomiting by tickling the back of the throat with a finger or blunt object. If necessary, give syrup of ipecac at dose of 15 mL to children 1-5 years and 15 to 30 mL to older children and adults. Then give at least 300 mL of water to children and 720 mL to adults. Get medical attention or contact a poison control centre

IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF INHALED, remove individual to fresh air. Seek medical attention if breathing difficulty develops.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically

STORAGE

Keep MON 7985 herbicide bag closed to prevent spills and contamination.

Avoid contamination of seed, feed and foodstuffs.

DISPOSAL

Thoroughly empty the contents of the container into the application device.

Make the empty container unsuitable for further use.

Dispose of the container in accordance with provincial requirements.

For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the Provincial Regulatory Agency in case of a spill, and for the cleanup of spills.

NOTICE TO BUYER -- Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to person or property arising from the use or handling of this product and accepts the product on that condition.

NOTICE TO USER -- This control product is to be used only in accordance with the directions on this label. It is an offense under the Pest Control Products Act to use a control product under unsafe conditions.

GENERAL INFORMATION

This granular herbicide is recommended for wild oat and wild millet (green and yellow foxtail) control in spring and durum wheat, spring barley, rapeseed (including canola), flax (not including low linolenic acid varieties) and mustard only. Other crops should not be treated with this product as injury may occur.

This product should be applied according to the recommendations on this label. See the "**Directions For Use**" section for additional information.

Application equipment must be properly calibrated. Application of an excessive rate of granular MON 7985 herbicide may injure the crop, whereas application of too low a rate may result in poor weed control. Before applying this product, be sure the soil is in good working condition. Clay soils may require additional tillage to obtain good tilth. Application to a field which is wet, lumpy, rough or ridged will result in reduced weed control and promote crop thinning. See the "**Field Preparation**" section for additional information.

The initial incorporation of this product into the soil must be completed within 24 hours after application. The incorporation should not be deeper than 5 cm as deeper incorporation tends to dilute the product, thus decreasing weed control and increasing the risk of crop injury. See the "**How To Incorporate**" section for additional information.

When using granular MON 7985 herbicide, an untreated strip should be left for proof of results. Wild oat control may be evaluated by removing a surface 2.5 to 5 cm of soil at the time of germination to inspect the number of wild oats that were killed before emergence. This product is primarily absorbed by wild oat shoots from the treated layer of the soil. Wild

oats are usually controlled before they emerge through the soil. Occasionally, and particularly under dry conditions and/or cool soil temperatures, some wild oats may emerge and reach the 3 to 4 leaf stage before dying. Wild Millet seedlings will generally be controlled as they germinate.

Rainfall of at least 1.5 cm within 2 weeks after seeding in the spring is required to ensure maximum performance.

Under conditions of prolonged cool soil temperatures at the time of germination, or extreme drought in spring, this product may not maintain the usual high standard of weed control.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, MON 7985 Herbicide is a Group 3 and 8 herbicide. Any weed population may contain or develop plants naturally resistant to MON 7985 Herbicide and other Group 3 or 8 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of MON 7985 Herbicide or other Group 3 or 8 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Monsanto Canada at 1-667-4944 or at www.farmcentral.com.

HOW TO APPLY AND CALIBRATE EQUIPMENT

Granular MON 7985 herbicide must be applied through a ground broadcast applicator such as a grass seed attachment or a specially designed ground broadcast applicator. This product can also be applied by an airplane capable of applying small quantities of granules evenly.

GROUND EQUIPMENT: It is important that the applicator be calibrated properly to deliver the desired amount of this product to avoid applying too little or too much material. To give even distribution, scatter plates (similar to those used for applying granules in band) must be attached to each delivery tube or outlet in such a manner to give overall coverage. To calibrate, attach cloth or strong plastic bag over each spreader plate or delivery tube. Operate over normal terrain to be treated at 6 to 8 km/h. Collect the granules from all outlets after covering the desired distance.

For example: If a 4.25 m applicator is being used, stake off a distance of 200 m in the field to be treated. After attaching a bag to each outlet, collect the granules while driving the distance. Check to see that each outlet disperses the same amount of granules. Combine all samples and weigh. For the above set of conditions, the quantities of granules that should be collected for the following recommended rates for broadcast treatment are:

Recommended Rate			
Amount to	11 kg/ha	14 kg/ha	17 kg/ha
be collected	0.9 kg	1.2 kg	1.5 kg

If more or less than the desired quantity is collected, adjust opening accordingly and again collect the granules while driving the staked off distance. Continue this procedure until the proper amount is delivered.

To calibrate applicators using air pressure to disperse the granules, follow directions as outlined by the manufacturer.

AERIAL APPLICATION

Directions for Use

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices, or equivalent electronic positioning systems (GPS).

Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even target coverage. Apply only under conditions of good practice specific to aerial application as outlined in the *National Aerial Pesticide Application Manual*, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.

Operator Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the Monsanto Canada Custom Care Line at 1-800-667-4944 or obtain technical advice from the distributor or your provincial agricultural representative.

For aerial applications, attachments designed for applying low volumes of granules must be used. Appropriate modifications should be made to equipment to ensure precise application. It is also necessary to properly calibrate equipment to ensure uniformity of application and proper rate. Before beginning aerial application of granular MON 7985 Herbicide be sure to refer to the Monsanto Aerial Applicators Manual for information on equipment modifications and calibration procedures. This manual is available from Monsanto Canada Inc., 67 Scurfield Blvd., Winnipeg, Manitoba, Canada R3Y 1G4.

See the “**Directions for Use**” section of this label for application rates and additional

information.

FIELD PREPARATION

Before applying this product be sure the soil is in good working condition. All deep tillage by cultivation or double disc implements must be completed prior to application of this product. If excessive trash is present, additional tillage or other appropriate trash management practice will be necessary to reduce the trash cover to an acceptable level before application as too much trash can make uniform incorporation difficult.

If the soil is excessively wet or lumpy, making proper incorporation difficult, cultivation with suitable tillage equipment may be required before application and incorporation to improve the soil conditions. If ridging is a problem, suitable tillage is recommended prior to application to eliminate the ridging and ensure uniform distribution of the herbicide.

HOW TO INCORPORATE

This product must be incorporated into the soil, using suitable tillage equipment, in order to provide weed control. Two incorporation operations at right angles to one another are necessary for thorough mixing of this product in the soil. The first incorporation should be completed within 24 hours of application, except for the Fall Surface application. The second incorporation may then be done during the fall or delayed until the spring.

Do not incorporate this product more than 5 cm. This can be accomplished by setting the tillage equipment to work the soil not deeper than 7.5 cm to 10 cm. Shallow incorporation is necessary to prevent dilution of the product, thus decreasing weed control and increasing the risk of crop injury.

Harrowing does not provide effective incorporation if compact soil prevents penetration of harrow teeth or if trash accumulates in the harrow section or if harrows bounce.

FALL INCORPORATION

This product must be incorporated as described in the "**How To Incorporate**" Section of this label.

Only one incorporation is required in the fall. The second incorporation may be done either in the fall (prior to soil freeze-up) or in the spring. If the second incorporation is done in the spring it may be done any time until crop emergence. If the second incorporation is conducted after seeding it should be done with a harrow or other suitable tillage equipment adjusted to a depth so as not to disturb the seed. If ridging is a problem after seeding, one harrowing is recommended to eliminate the ridging and ensure uniform distribution of the herbicide.

SPRING INCORPORATION

Before Seeding

This product must be incorporated as described in the "**How To Incorporate**" section of this label.

This product may be incorporated prior to the seeding of any labelled crop. See the "**Directions For Use**" section for exceptions. The second incorporation may then be done any time until crop emergence. If the second incorporation is conducted after seeding it should be done with a harrow or other suitable tillage equipment adjusted to a depth so as not to disturb the seed. If ridging is a problem after seeding, one harrowing is recommended to eliminate the ridging and ensure uniform distribution of the herbicide.

NOTE

FOR THE BEST RESULTS ON SPRING APPLICATIONS, DELAY THE SECOND INCORPORATION FOR AT LEAST 48 HOURS FOLLOWING THE FIRST. Under conditions of prolonged cool soil temperatures or extreme drought a longer delay may be utilized to maximize control.

DIRECTIONS FOR USE

This product can be applied prior to the seeding of Spring and Durum wheat, spring barley, rapeseed (including canola), mustard and flax (not including low linolenic acid varieties).

Fall Treatment

Fall applications of this product must be made after September 15 and until soil freeze-up. Applications made before September 15 may result in reduced effectiveness of the herbicide. See the "**Field Preparation**", "**How To Incorporate**" and "**Important Seeding Requirements**" sections of this label for additional information.

GRANULAR MON 7985 RATES (kg/ha) (Fall)

Crop	Less Than	2-4%	4-6%	6-8%	Greater than	Seeding Depth
	2% OM	OM	OM	OM	8% OM	
Spring and Durum Wheat	-	11	14	14	17	6-7.5cm*
Spring Barley	11	14	14	17	17	6-7.5cm*

Rapeseed, (including Canola) Flax**, Mustard	14	14	14	17	17	As desired
--	----	----	----	----	----	------------

*This seeding depth will ensure placement below the treated layer.

DO NOT SEED DEEPER THAN 7.5 cm.

** Does not include low linolenic acid varieties.

OM = Organic Matter.

Spring Treatment

This product can be applied before seeding labelled crops, except as noted in the table below.

See the "Field Preparation", "How To Incorporate" and "Important Seeding Requirements" sections of this label for additional information.

GRANULAR MON 7985 RATES (kg/ha) (Spring)

Crop	Application Timing	Less than 2% OM	2-4% OM	4-6%OM	Greater than 6% OM	Seeding Depth
Spring and Durum Wheat	Before Seeding	-	-	11	14	6-7.5cm*
Spring Barley	Before Seeding	-	11	14	17	6-7.5cm*
Rapeseed (including Canola), Flax**, Mustard	Before Seeding	14	14	17	17	As desired

*This seeding depth will ensure placement below the treated layer.

** Does not include low linolenic acid varieties

OM = Organic Matter

IMPORTANT SEEDING REQUIREMENTS

1. For Wheat or Barley, hoe drills and double disc press drills can be used on all soil types that are indicated in the rate charts.
2. Wheat or barley may be seeded into an application of this product using a discer seeder or air seeder, only in the Red River Valley of Manitoba in soils with greater than 4 percent organic matter. If an air seeder is used it must be equipped with a depth control device to ensure accurate seed placement, otherwise crop injury may occur.
3. Do not apply this product to soil which is to be seeded to wheat under the following conditions: in Fall or Spring to soil with less than 2 percent Organic Matter as indicated in the rate charts.
4. Substantial thinning in wheat and barley following treatment has been known to occur especially under conditions of heavy rainfall and/or cold weather after application and before crop emergence. **THE SEED MUST BE PLACED JUST BELOW THE GRANULAR MON 7985 HERBICIDE TREATED SOIL LAYER.** Thinning may reduce crop yield but in most cases it is more than offset by tillering. **DO NOT SEED DEEPER THAN 7.5 cm.**
5. To ensure an even crop stand, increase the usual seeding rate of wheat or barley by 10 percent, especially if soil conditions are cold or dry.

ATTENTION

Some wheat or barley injury may be noted on eroded knolls.

Under normal conditions MON 7985 Herbicide carryover will not harm crops grown in rotation. As a precaution, domestic oats, sugarbeets and small-seeded annual grasses such as Timothy, Canary Seed Grass and Creeping Red Fescue should not be grown in rotation following a MON 7985 treated crop.

Do not apply MON 7985 herbicide for wheat on land which has been treated with trifluralin since June 1 of the previous year.

CAUTION: Do not graze the treated crops or cut for hay; there are insufficient data available to support such use.

For additional information on this or other Monsanto agricultural products, call the Monsanto Canada Custom Care Line at: 1-800-667-4944.

In case of emergency involving this product, call Monsanto collect, day or night:

Accidents/spills/medical emergencies..... (314) 694-4000
or.....1-800-332-3111
or CANUTEC.....(613) 996-6666

Printed in U.S.A.

Advance, Edge, Heritage and Treflan are registered trademarks of Dow AgroSciences Canada Inc.
Rival is a registered trademark of Aventis CropScience Canada Inc.
Triflurex is a registered trademark of Makhteshim-Agan of North America Inc.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.