

PM 23 8340-45

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<p>US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS 767) WASHINGTON, DC 20460</p> <p>NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</p>	<p>EPA REGISTRATION NO. 8340-45 DATE OF ISSUANCE 15 NOV 1992 TERM OF ISSUANCE (Conditional, Expires April 1, 1996) NAME OF PESTICIDE PRODUCT Dakota® herbicide</p>
<p>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</p> <p>Hoechst Celanese Corporation P.O. Box 2500 Route 202-206 Summerville, NJ 08876-1258</p>	
<p>NOTE: Changes in labeling formula 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 U.S. EPA registration number.</p>	
<p>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.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p>	
<p>Registration is in no way to be construed as an indorsement or approval of this product by this 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.</p>	
<p>This product is conditionally re-registered in accordance with FIFRA section 3(c)(7)(-), provided that you:</p>	
<ol style="list-style-type: none"> 1. Submit and/or cite all data required for registration/re-registration or your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data. 2. Submit data to change the registration of technical 1-methoxyprop-ethyl to an unconditional FIFRA section 3(c)(5) registration. The data requirement was listed on the notice of registration of that product registration, EPA Registration No. 8340-43. 3. Add the phrase, "EPA Registration No. 8340-45" to your label before you release the product for shipment. 4. Submit five (5) copies of the final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for further description of final printed labeling. 	
<p>If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.</p>	
<p>enclosure</p>	<p>Joanne L. Miller Product Manager (23) Fungicide-Herbicide Branch Registration Division (H-7505C)</p>
<p><input type="checkbox"/> ATTACHMENT IS APPLICABLE</p> <p>SIGNATURE OF APPROVING OFFICIAL <i>Joanne L. Miller</i> DATE <i>11/16/92</i></p>	

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Revised: October 23, 1992

DAKOTA[®] HERBICIDE**FOR POSTEMERGENCE CONTROL OF GREEN FOXTAIL
AND BROADLEAF WEEDS IN SPRING AND WINTER WHEAT****ACTIVE INGREDIENTS:**

fenoxaprop-ethyl: (±)-ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy] propanoate3.01%*

MCPA Isooctyl Ester: Isooctylester of 2-methyl-4-chlorophenoxyacetic acid.....50.06%**

(Equivalent to 32.10% of pure 2-methyl-4-chlorophenoxyacetic acid equivalent)

INERT INGREDIENTS:46.93%

TOTAL: 100.00%

*Equivalent to 0.27 pound of pure fenoxaprop-ethyl per gallon

**Equivalent to 2.84 pounds of pure 2-methyl-4-chlorophenoxyacetic acid per gallon

KEEP OUT OF REACH OF CHILDREN.**WARNING****SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.****SEE ATTACHED FOLDER FOR COMPLETE DIRECTIONS OF USE AND
ADDITIONAL INFORMATION.**

EPA REG. NO. 8340-

EPA EST. NO. 8340-CN-01

NET CONTENTS:

HOECHST CELANESE CORPORATION

Route 202-206

P.O. Box 2500

Somerville, NJ 08876-1258

Hoechst **BEST AVAILABLE COPY**

PRECAUTIONARY STATEMENTS

WARNING

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates or nontarget plants. 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.

For a spill emergency, call Chemtrec at 1-800-424-9300.

GROUNDWATER CONTAMINATION

Most cases of groundwater contamination involving phenoxy herbicides such as MCPA have been associated with mixing/loading and disposal sites. Caution should be exercised when handling MCPA pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

CLEANING OF EQUIPMENT

When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells or other water sources.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Do not induce vomiting. Contains petroleum distillates. Call a physician. Gastric lavage should be supervised by trained personnel because of the possible pulmonary damage via aspiration of the solvent. If possible, bring the container and labeling to attending physician.

If in Eyes: Flush eyes with plenty of water for 15 minutes. Get medical attention immediately.

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

If Inhaled: Remove victim to fresh air. Apply artificial respiration if necessary.

For emergency medical assistance, call (908) 231-4125.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Keep container tightly closed when not in use. Avoid cross-contamination with other pesticides.

Do not store over 100°F or below 10°F. Do not use or store near heat or open flame.

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: Empty containers should be triple rinsed into the spray tank during the spray operation. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT NOTICE: DISCLAIMER

Read "IMPORTANT NOTICE: DISCLAIMER" before buying or using. If terms are not acceptable, return at once unopened.

The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended or other influencing factors in the use of the product, all of which are beyond the control of the seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Seller harmless for any claims relating to such factors.

HOECHST-ROUSSEL AGRI-VET COMPANY warrants only that the product conforms to the chemical description on the label and is reasonably fit for the purpose stated on the label when used in accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions or under abnormal conditions, or under conditions not reasonably foreseeable to HOECHST-ROUSSEL AGRI-VET COMPANY and user assumes the risk of any such use. HOECHST-ROUSSEL AGRI-VET COMPANY MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY. In no case shall HOECHST-ROUSSEL AGRI-VET COMPANY be liable for consequential, special, indirect or incidental damages resulting from the use or handling of this product. The foregoing conditions of sale and warranty can be varied only by an agreement in writing signed by a duly authorized representative of HOECHST-ROUSSEL AGRI-VET COMPANY.

DIRECTIONS FOR USE

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

GENERAL INFORMATION

Dakota® Herbicide is a postemergence herbicide for the control of green foxtail (pigeongrass) and certain broadleaf weeds in spring and winter wheat (including durum wheat).

APPLICATION DIRECTIONS

Dakota® Herbicide controls annual grassy and broadleaf weeds listed in the following table.

Ground Application: Do not apply when winds are gusty, or when conditions will favor movement of spray particles off the desired spray target. To avoid drift and insure consistent weed control, apply Dakota® Herbicide with the spray boom as low as possible while maintaining a uniform spray pattern. Apply a minimum of 5 gallons of spray solution per acre, using a spray pressure of 30-40 PSI with flat fan nozzle tips. Ground speed for application should not exceed 10 mph. Do not apply with hollow cone type insecticide or other nozzles that produce a fine droplet spray. **Under dense weed/crop canopies, high spray volume (15-20 gpa) is required for obtaining thorough coverage.**

Aerial Application: Calibrate the spray equipment prior to use. Dakota® Herbicide should be applied in a minimum of 5 gallons of water per broadcast acre. To get uniform spray coverage, use nozzles to provide 200-350 micron size droplets. **DO NOT** use raindrop nozzles. Aerial applications with this product should be made at a maximum height of 10 feet above the crop with low drift nozzles at a maximum pressure of 40 psi and wind speed not exceeding 10 mph to assure accurate application within the target area. Avoid application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur.

Avoid application to humans or animals. Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin, and should wash thoroughly before eating and at the end of each day's operation.

PRECAUTIONS TO BE TAKEN TO AVOID SPRAY DRIFT

Do not allow spray from aerial equipment to drift onto adjacent land or crops. When drift may be a problem, do everything possible to reduce spray drift, including the following:

- Do not spray if wind speeds are or become excessive. Do not spray if the wind is 10 mph or greater. If sensitive crops or plants are downwind, extreme caution must be used under all conditions. Do not spray if winds are gusty.
- Use extreme caution when conditions are favorable for drift (high temperatures, drought, low relative humidity), especially when sensitive crops are located nearby.
- Drift from aerial applications of the herbicide is likely to result in damage to sensitive plants adjacent to the treatment site. This damage can occur at levels below the concentrations which can be detected with chemical analysis.
- Do not apply when a temperature inversion exists. If inversion conditions are suspected, consult with local weather services before making an application.
- Use the lowest number of nozzles practical with the largest possible orifice size within the specified range to obtain the minimum 5 gallon per acre spray volume. Application height and boom length should be set according to manufacturer's instructions to minimize drift.
- Reduce the volume of spray mixture by using higher flow rate nozzles. Using lower pressure with the appropriate nozzle to obtain higher volumes will also reduce spray drift.
- Apply as close to target plants as practical while maintaining a good spray pattern for adequate coverage.

RATE RECOMMENDATION CHART	
Grass Species	Fl.Oz./Acre
Green Foxtail Foxtail Millets (volunteer) Common, Siberian, Hungarian, German Millet	16.0
Broadleaf Weeds Annual Sowthistle Common Lambsquarters Field Pennycress Pigweed (suppression) Purslane Ragweed Shepherdspurse Tumble (Jim Hill) Mustard Wild Mustard Wild Radish	16.0

Dakota® Herbicide contains the herbicide MCPA as one of the active ingredients. Equipment used in applying MCPA phenoxy herbicide requires special cleaning if it is used for applying non-phenoxy herbicides. Failure to properly clean your equipment could result in undesirable growth effects or injury to sequentially sprayed plants. Use repeated flushings with soap and warm water or suitable chemical cleaner.

TIMING OF APPLICATION

Wheat: Apply Dakota® Herbicide to spring wheat from the 3 leaf stage to the end of tillering (6 leaf) stage of growth. Winter wheat should have a minimum of three tillers before application. DO NOT spray spring or winter wheat after jointing begins.

Weeds: Dakota® Herbicide will control susceptible grassy weeds in the 2-leaf to 2-tiller stage of growth. Annual broadleaf weeds must not exceed 4 inches in height. Application should be made to young, actively growing weeds. Dakota® Herbicide controls emerged grassy and broadleaf weeds.

MIXING INSTRUCTIONS

1. Assure the spray tank is thoroughly clean.
2. Fill the spray tank with one-half of the total amount of clean water required for the application and start the agitation or by-pass system.
3. Add the recommended amount of Dakota® Herbicide and continue agitation.
4. Triple rinse the emptied container into the spray tank.
5. Add the remaining amount of water while agitation continues. Spray immediately.

OPTIMUM CONDITIONS FOR GREEN FOXTAIL CONTROL

Green foxtail (pigeongrass) is controlled over a wide range of soil moisture conditions. However, foxtail showing drought stress and exhibiting rolled leaves ("onion leaf") should not be sprayed as poor control may result.

TANK MIX COMBINATIONS

Dakota® Herbicide may be tank mixed with one of the listed herbicides for broader spectrum weed control in wheat. Refer to the following chart for the approved broadleaf tank mix partners and the correct rates of application for Dakota® Herbicide.

Dakota® Herbicide may be tank mixed with either Furadan® 4 F or Sevin® XLR PLUS insecticides if timing for insect and weed control are proper.

TANK MIX RECOMMENDATION CHART (All rates listed in ounces/acre)			
Dakota® Herbicide	Product	Tank Mix Partner* Formulation	Rate
16.0 fl.oz.	Banvel	4.0 lb./gal.	2.0 fl.oz.
	Banvel SGF	2.0 lb./gal.	4.0 fl.oz.
	Tordon	22K	1.5 fl.oz.
22.0 fl.oz.	Amber	75DF	0.28 oz.
	Buctril **	2EC	12.0-16.0 fl.oz.
	Express	75DF	0.17 oz.
	Harmony Extra	75DF	0.3 oz.
	Stinger	3.0 lb./gal.	5.3 fl.oz.

* No more than one tank mix partner can be mixed with Dakota Herbicide.

** The addition of Buctril 2EC Herbicide to Dakota® Herbicide may cause temporary yellowing and/or height reduction to the wheat.

Refer to these specific product labels for all use and precautionary statements.

USE PRECAUTIONS FOR DAKOTA® HERBICIDE

1. DO NOT apply to rye, oats or corn.
2. Rainfall within 1 hour after an application may cause a reduction in weed control.
3. DO NOT apply more than 1 application in a growing season.
4. DO NOT apply Dakota® Herbicide within 70 days of harvesting wheat.
5. DO NOT apply this product through any type of irrigation system.
6. DO NOT tank mix Dakota® Herbicide with other herbicides, surfactants, or liquid fertilizers unless specifically recommended on this label.
7. Dakota® Herbicide contains the active ingredients fenoxaprop-ethyl and MCPA ester. Do not use when there is hazard from drifting mists. (Coarse sprays are less likely to drift.) Vapors from this product may injure susceptible plants in the immediate vicinity.
8. Cool, wet conditions at the time of application may result in temporary stunting or chlorosis of the wheat.
9. DO NOT apply any pesticides other than those listed on this label within 5 days of a Dakota® Herbicide application or reduced grassy weed control may occur.

Banvel and Banvel SGF are registered trademarks of Sandoz Crop Protection Corporation.

Buctril and Sevin XLR PLUS are registered trademarks of Rhone-Poulenc Ag Company.

Amber is a registered trademark of CIBA-GEIGY Corporation.

Furadan 4 F is a registered trademark of FMC Corporation.