

PM 25

10182-429

NOTIFICATION

6-26-98

10428

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-95



United States
Environmental Protection Agency
Washington, DC 20460

☐ Registration
☐ Amendment
☒ Other

OPP Identifier Number

232437

Application for Pesticide - Section I

1. Company/Product Number 10182-429	2. EPA Product Manager James A. Tompkins	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) TOUCHDOWN 5 Herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) ZENECA Ag Products PO Box 15458 Wilmington, DE 19850-5458 Attn: Becky RHodes <input type="checkbox"/> Check if this is a new address		6. Expedited Review. 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"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION

JUN 26 1998

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Please see cover letter for details of notification.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____	
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2.5, 30 and bulk		5. Location of Label Directions <input type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Becky Rhodes	Title Regulatory Product Manager	Telephone No. (Include Area Code) 423-982-8379
2. Signature 		6. Dots Application Received (Stamped)
3. Title Regulatory Product Manager		
4. Typed Name Becky RHodes		
5. Date 6/11/98		

2 of 28



FEDERAL EXPRESS

Zeneca Ag Products

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P.O. Box 15458
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Telephone (302) 886-1000
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June 11, 1998

Mr. Jim Tompkins
Product Management Team (25)
Fungicide-Herbicide Branch
Registration Division (H7505C)
Office of Pesticide Programs
Document Processing Desk
U.S. Environmental Protection Agency
Crystal Mall 2, Room 266A
1921 Jefferson Davis Highway
Arlington, VA 22202

Dear Mr. Tompkins:

Re: TOUCHDOWN® 5 Herbicide
EPA Registration Number: 10182-429
NOTIFICATION
Final Printed Label

ZENECA Inc. herewith submits two copies of final printed labeling for TOUCHDOWN 5 Herbicide, EPA Reg. No. 10182-429. This submission includes a revised label booklet (Code 04005937). This Final Printed label corresponds to the most recently approved draft labeling in the agency's letter dated November 3, 1997 and supersedes the label booklet (Code 04004524) submitted on November 17, 1997. Other label components submitted on November 17, 1997 (container labeling for a 2.5 gallon, 30 gallon, and bulk container) continue to be used as final printed labeling.

Please be advised that this labeling is being submitted as a NOTIFICATION under the provisions of 40 CFR, Part 152.46(a) as the following changes were made and/or revisions incorporated:

1. The name has been changed from TOUCHDOWN BTU Herbicide to TOUCHDOWN 5 Herbicide. A substitution of the Brand Name request was submitted on November 17, 1997.
2. All crops and uses approved for use are included except the use in Chemical Fallow - Ecofallow systems.
3. On page 2, the PERSONAL PROTECTIVE EQUIPMENT section has been moved per the Agency's letter of 11/3/97.
4. On page 3, the User Safety Recommendations and the AGRICULTURAL USE REQUIREMENTS section have been placed in a box per the Agency's letter of 11/3/97.
5. On page 5, the phrase "v/v of finished spray volumes" has been added in the Surfactants/Wetting Agents section for clarity. The phrase (Not for use in California) has been removed from the



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Ammonium Sulfate section. The application Volume for Ground has been changed from 10 to 30 gallons of water to 10 to 20 gallons of water. The "Add an agriculturally approved nonionic surfactant...recommendations" statement has not been included.

6. On page 6, in the Spot Treatments section, the phrase "volume TOUCHDOWN 5/Volume total solution" has been added per the Agency's letter of November 3, 1997.
7. On page 7, in the SPOT SPRAY DILUTION TABLE, the amount of TOUCHDOWN 5 used to make a 3% spray solution in 25 gallons has been changed from 8 to 6 pints. This was a typographical error.
8. On page 11, the statement under the NONBEARING CROPS section has been revised per the Agency's letter of November 3, 1997 to read "...up to 1 year prior to harvest" instead of "...up to 1 year of harvest."
9. On page 12, an "X" has been placed in all of the additional tank mix partners appropriate for lemons per the Agency's letter of November 3, 1997. The same has been done for peaches as applied to "Stone Fruit (All)."
10. On page 15 Table 1 has been reformatted for ease of reading. In addition, all rate recommendations for weeds listed at a maximum height/length of 12 inches and 6-12 inches have been consolidated into one column. All rate recommendations for sicklepod greater than 2 inches have been deleted.

If there are any questions concerning this submission, please contact Becky Rhodes at 423-982-8379, or call Deb Touzell, 302-886-1226.

Sincerely,



Becky Rhodes
Regulatory Product Manager

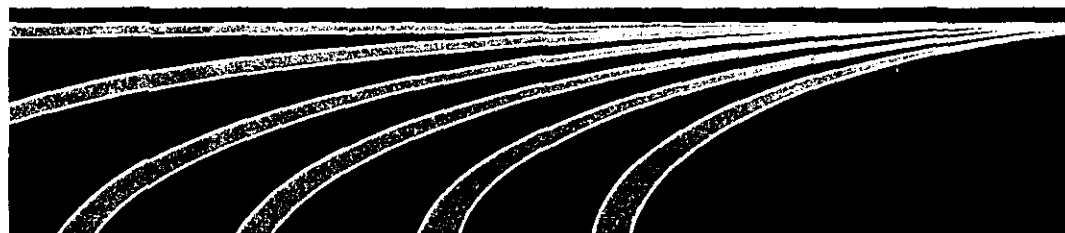
NOTIFICATION

JUN 26 1998

ZENECA Ag Products

Touchdown[®] 5

HERBICIDE



NONSELECTIVE FOLIAR SYSTEMIC HERBICIDE FOR WEED CONTROL •

ACTIVE INGREDIENT:

Sulfonium, trimethyl-salt with N-(phosphonomethyl)glycine (1:1)* ... 48.6%

INERT INGREDIENTS: ... 51.4%

Total ... 100.0%

*Sulfosate

Contains 5 pounds active ingredient per gallon.

EPA Reg. No. 10182-429

COMPLETE DIRECTIONS FOR USE

KEEP OUT OF REACH OF CHILDREN

CAUTION

See inside for Statement of Practical Treatment and
Precautionary Statements

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NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. 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 manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of ZENECA or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold ZENECA and Seller harmless for any claims relating to such factors.

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leaf 28

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

CALL ZENECA'S MEDICAL EMERGENCY INFORMATION NETWORK AT 1-800-327-8633 (1-800-F-A-S-T-M-E-D) FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE.

CALL CHEMTREC AT 1-800-424-9300 FOR A CHEMICAL EMERGENCY such as a spill, leak, fire, or accident.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: long-sleeved shirt and long pants, socks and shoes, and waterproof gloves.

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.

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

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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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

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

In case of spill, ISOLATE the spill. Absorb spill with inert absorbent material such as clay or Fuller's earth. Sweep up used absorbent and place in an appropriate chemical waste container. Flush spill area with water. Observe all local, State, and Federal laws and regulations regarding disposal, spill, cleanup, removal, or discharge.

DRIFT: Caution must be taken when applying TOUCHDOWN 5 to avoid drift or contact with *nontarget plant species*. Such contact may result in plant injury.

DIRECTIONS FOR USE

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

- Apply this product only as specified on the label.
 - *Do not apply this product through any type of irrigation system.*
 - Do not exceed a total of 6 1/3 pints of TOUCHDOWN 5 per acre per year.
- 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 4 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.
- Waterproof gloves.
- Shoes plus socks.

GENERAL INFORMATION

TOUCHDOWN 5 is a nonselective foliar systemic herbicide used to control a broad spectrum of emerged grass and broadleaf weeds, both annual and perennial, in:

- conservation compliance;
- corn;
- soybeans;
- bearing orange, grapefruit, lemon, lime, citron, kumquat, tangelo, and tangerine groves;
- any variety of bearing table, wine, or raisin grapes;
- bearing almond, beechnut, Brazil nut, butternut, cashew, chestnut, chinquapin, filbert, hickory nut, macadamia nut, pecan, and walnut groves;
- bearing apricot, cherry, nectarine, peach, plum, plumcot, and prune;
- nonbearing groves, orchards, or vineyards up to 1 year of harvest; and
- *certain noncrop areas around the farm*

TOUCHDOWN 5 is formulated as a liquid concentrate which contains 5 pounds active ingredient per gallon.

Heavy rainfall or irrigation shortly after application may require retreatment.

NOTE: Stainless steel, plastic-lined steel, plastic or fiberglass containers are acceptable for mixing and storing TOUCHDOWN 5. TOUCHDOWN 5 should not be mixed or stored in galvanized steel or unlined steel containers. TOUCHDOWN 5 is not compatible with carbon steel and neoprene or butyl rubber.

APPLICATION DIRECTIONS

Timing

TOUCHDOWN 5 should be applied to actively growing emerged weeds. Annual weeds of 6 inches or less in height are typically the easiest to control. Generally, perennial weeds should be treated at the flowering or seedhead stage.

When annual weeds have been mowed or grazed, wait for 3-4 inches of new growth to appear prior to application. When perennial weeds have been mowed or grazed, allow new growth to reach recommended stage prior to application.

Rates

Follow recommended rates for TOUCHDOWN 5 listed in the **WEEDS CONTROLLED** section. Use the higher label rates when weeds are dense or large. Also, use higher application volumes and pressures when weed vegetation is dense.

Tankmixes with Residual Herbicides

Refer to crop sections for recommended tankmixes. It is recommended that the compatibility of any tankmix combination be tested on a small scale such as a jar test before actual tank mixing. Tankmixes of TOUCHDOWN 5 with other pesticides, fertilizers, or any other additives except as specified on this label or other approved ZENECA supplemental labeling may result in tankmix incompatibility or unsatisfactory performance.

For Control of Annual Weeds with a Tankmix: Apply TOUCHDOWN 5 at 1 1/2 pints for the control of annual weeds that are less than 12 inches tall and actively growing. When annual weeds are taller than 12 inches or under stress, use 2 1/3 pints of TOUCHDOWN 5 herbicide.

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For Control of Perennial Weeds with a Tankmix: Apply TOUCHDOWN 5 at 2 1/2 to 6 1/2 pints for the control or suppression of perennial weeds. Refer to the **WEEDS CONTROLLED** section for application rates and timing for specific perennial weeds. Perennial weeds may require multiple applications for control. If multiple applications are required, then no more than 6 1/2 pints of TOUCHDOWN 5 should be applied per year.

In general, TOUCHDOWN 5, should be tank mixed as follows:

1. Fill spray tank 1/2 full with clean water.
2. Begin tank agitation and continue throughout mixing and spraying.
3. Add dry formulations (WP, DF, etc.) to tank.
4. Add liquid formulations (SC, EC, L, etc.) to tank.
5. Add TOUCHDOWN 5.
6. Fill remainder of spray tank.

Always refer to labels of other pesticide products for mixing directions and precautions which may differ from those outlined here. Use in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

SPRAY ADDITIVES

Surfactants/Wetting Agents

A nonionic surfactant or wetting agent (approved for use on growing crops) may be used at levels up to 0.25% v/v of finished spray volumes. All nonionic surfactants or wetting agents should contain at least 75% active ingredient.

Ammonium Sulfate

Control of annual and perennial weeds with TOUCHDOWN 5 may be improved by adding dry ammonium sulfate at 1 - 2% by weight or 8.5 - 17 pounds per 100 gallons of water. Use ammonium sulfate in conservation compliance programs, in noncrop areas, in nonbearing crops, in citrus, and for preplant/preemergence applications. DO NOT reduce use rates of TOUCHDOWN 5 when using ammonium sulfate.

APPLICATION EQUIPMENT & TECHNIQUES

Broadcast Applications

Ground

Apply TOUCHDOWN 5 to actively growing weeds at the broadcast rates indicated in the **WEEDS CONTROLLED** section. Applications should be made in 10 to 20 gallons of water per acre with conventional spray equipment, or in 3 to 10 gallons per acre with low volume equipment. Use higher volumes if weed foliage is dense.

Flat-fan nozzles will result in the most effective application of TOUCHDOWN 5. Flat fans should be used at 30 to 50 psi. Flood nozzles may result in reduced weed control due to inadequate coverage.

Air

Apply TOUCHDOWN 5 to actively growing weeds by air equipment in a minimum of 3 gallons of water per acre. Refer to the **WEEDS CONTROLLED** section for rates and timing of application.

All aerial equipment must be properly maintained and washed to remove product residues after use.

Spray should be released at the lowest height consistent with weed control and flight safety. Applications more than 10 feet above the canopy should be avoided.

Use the largest droplet size consistent with good weed control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.

Drift control additives may be used with TOUCHDOWN 5. Read and follow the manufacturer's directions for use.

Do not make aerial applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Do not apply when winds exceed 15 MPH or there are wind gusts as this could cause drift to adjacent nontarget vegetation.

Spot Treatments

For annual weeds less than 6 inches, use a 0.75% solution (volume TOUCHDOWN 5/volume total solution). For annual weeds over 6 inches, use a 1.25% solution. Use a 2% solution for most perennials except as noted in the **SPOT TREATMENT OF HARD TO CONTROL WEEDS** table. When using motorized spot spray equipment (rider bar), use a 3% solution. Spray the solution on actively growing weeds until uniformly wet but not to the point of runoff. Retreat 14-21 days later if regrowth occurs.

SPOT TREATMENT OF HARD TO CONTROL WEEDS

WEED SPECIES	SCIENTIFIC NAMES	HANDGUN % SOLUTION	APPLICATION TIMING AND REMARKS
Balsamapple*	<i>Momordica charantia</i>	1-1.25%	Actively growing
Guineagrass*	<i>Panicum maximum</i>	1-1.25%	Actively growing, 7-leaf stage
Lantana-largeleaf*	<i>Lantana camara</i>	1-1.25%	Actively growing, at or beyond bloom
Paragrass*	<i>Brachiaria mutica</i>	1.5-2%	Actively growing, seedhead
Pampasgrass*	<i>Erianthus ravanhae</i>	1.5-2%	Actively growing, at or beyond boot
Sweet Potato, Wild*	<i>Ipomoea pandurata</i>	2%	Actively growing, at or beyond bloom
Torpedograss*	<i>Panicum repens</i>	1.75-2%	Actively growing, at or beyond seedhead
Vaseygrass*	<i>Paspalum urvillei</i>	1.75-2%	Actively growing, at seedhead

*Repeat treatment may be required to provide control.

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

TOUCHDOWN 5 HERBICIDE SPOT SPRAY DILUTION TABLE

Solution Strength	To Make This Volume				
	1 gallon	2 gallons	10 gallons	25 gallons	100 gallons
0.75%	1 fl oz	2 fl ozs	9 fl ozs	1 1/2 pints	3 quarts
1%	1 1/3 fl ozs	2 1/2 fl ozs	12 1/2 fl ozs	2 pints	1 gallon
1.25%	1 2/3 fl ozs	3 1/3 fl ozs	1 pint	2 1/2 pints	• 5 quarts
1.5%	2 fl ozs	3 3/4 fl ozs	1 1/4 pints	3 pints	6 quarts
1.75%	2 1/4 fl ozs	4 1/2 fl ozs	1 1/2 pints	3 1/2 pints	7 quarts
2%	2 2/3 fl ozs	5 1/3 fl ozs	1 3/4 pints	4 pints	2 gallons
3%	4 fl ozs	8 fl ozs	2 1/2 pints	6 pints	3 gallons

1/3 fl oz = 2 teaspoons

1/2 fl oz = 1 tablespoon

1 fl oz = 2 tablespoons

8 fl ozs or 1/2 pint = 1 cup

16 fl ozs = 1 pint

1 gallon = 8 pints

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Wiper Application

TOUCHDOWN 5 may be applied using a wiper or "wick" applicator for selective control or suppression of annual and perennial weeds which become taller than the crop or desirable vegetation. Mix 1 quart of TOUCHDOWN 5 in 1 gallon of water. Precautions should be taken to avoid contact with crops or desirable vegetation. Equipment should be operated at speeds of 5 mph or less. Use slower speeds where weeds are dense. For improved control, make two applications in opposite directions. Do not use wiper applications in corn or in bearing grape vineyards.

GENERAL USE PRECAUTIONS

- TOUCHDOWN 5 requires actively growing green plant tissue to function. Application to drought-stressed weeds or weeds with little green foliage (i.e., mowed or cut weeds), may result in reduced weed control.
- Do not till or mow within 3 days following application.
- *DO NOT spray if conditions of thermal inversion exist, or if wind direction and speed may cause spray to drift onto adjacent areas. Drift minimization is the responsibility of the applicator. Consult with local and State agricultural authorities for information regarding avoiding or minimizing spray drift.*
- It is recommended that the spray system be thoroughly cleaned with water and a commercial tank cleaner after each use.
- Rotational crops may be planted back into TOUCHDOWN 5 treated areas 35 days after application.
- Do not exceed a total of 6 1/3 pints of TOUCHDOWN 5 per acre per year.
- Do not graze or harvest treated cover crops for feed.

CONSERVATION COMPLIANCE

(For use in compliance with the Federal Conservation Compliance Programs)

- Apply for control of annual and perennial grass and broadleaf weeds. Refer to **WEEDS CONTROLLED** section for use rates.
- Prior to application, remove existing vegetation by grazing, mowing, burning, etc. Allow 3 to 4 inches of new growth before application of TOUCHDOWN 5.
- TOUCHDOWN 5 may be tank mixed with other herbicides registered for this use.

FALLOWLAND AND POST HARVEST USE

TOUCHDOWN 5 may be applied to fallowland and to fields following harvest to control annual and perennial weeds. Refer to **WEEDS CONTROLLED** section for use rates. Repeat applications may be necessary to control weeds emerging after application. Use the higher rate on heavy or sodded infestations. Allow sufficient time for regrowth to occur after harvest prior to application. Avoid application after plants have been exposed to severe frost. Rotational crops may be planted back into TOUCHDOWN 5 treated areas 35 days after application.

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CORN (Field Corn, Popcorn, and Seed Corn)

MINIMUM OR NO-TILLAGE SYSTEMS

TOUCHDOWN 5 is a nonselective systemic herbicide for use as a broadcast spray to control emerged annual and perennial weeds in fields planted to minimum or no-till corn. Apply as a broadcast application before, during, or after planting, but before crop emergence. TOUCHDOWN 5 can also be applied to corn as a spot spray.

Follow the directions listed in the **APPLICATION DIRECTIONS**, **SPRAY ADDITIVES**, and **APPLICATION EQUIPMENT AND TECHNIQUES** sections. Refer to the **WEEDS CONTROLLED** section for rates.

GENERAL USE PRECAUTIONS FOR CORN

- Do not apply within 90 days of harvest of corn grain or corn fodder.
- Do not use on sweet corn.
- Do not apply more than 6 1/3 pints per acre per year as a combination of broadcast sprays prior to crop emergence and as spot spray applications.

TANK MIXTURES FOR CORN

TOUCHDOWN 5 can be tank mixed with the following pesticides. Several of the herbicides listed provide preemergence control or suppression of annual weeds. UAN may be used as a carrier at 10-70 gallons per acre with 2,4-D, Banvel®, or any residual herbicides on the following list. AMBUSH®, KARATE®, and WARRIOR® are insecticides which can be tank mixed with TOUCHDOWN 5 for control of labelled pests.

TOUCHDOWN 5 plus:

AMBUSH	Dual®	Hornet™	Micro-Tech®
Atrazine	Dual II®	KARATE	Prowl®
Banvel	Extrazine® 11	Lariat®	Simazine
Bicep®	Frontier®	Lasso®	SURPASS® EC
Bicep II®	FULTIME™	Lightning™	SURPASS 100
Bladex®	Guardsman®	Linex®	TOPNOTCH™
Broadstrike®	Harness®	Lorox®	WARRIOR
Bullet®	Harness Xtra	Marksman®	2,4-D
Clarity®			

Refer to individual product labels for precautionary statements, restrictions, rates, and a list of weeds controlled. Refer to the **WEEDS CONTROLLED** section for rates of TOUCHDOWN 5 to use in a tankmix.

14428

SOYBEANS

MINIMUM OR NO-TILLAGE SYSTEMS

TOUCHDOWN 5 is a nonselective systemic herbicide for use as a broadcast spray to control emerged annual and perennial weeds in minimum or no-till planted soybeans. Apply as a broadcast application before, during or after planting, but before crop emergence. **TOUCHDOWN 5** can be applied to soybeans as a spot spray and by wiper or wick. Follow directions listed in the **APPLICATION DIRECTIONS**, **SPRAY ADDITIVES**, and **APPLICATION EQUIPMENT AND TECHNIQUES** sections. Refer to **WEEDS CONTROLLED** section for rates.

GENERAL USE PRECAUTIONS FOR SOYBEANS

- Spot application must be made at least 8 weeks before harvest.
- Wiper or wick application must be made at least 7 days before harvest.
- Avoid contact with soybean foliage.
- Do not apply more than 6 2/3 pints per acre per year as a combination of broadcast sprays prior to crop emergence and as spot spray and wiper applications.

TANK MIXTURES FOR SOYBEANS

TOUCHDOWN 5 can be tank mixed with the following pesticides. Several of the herbicides listed provide preemergence control or suppression of annual weeds. **WARRIOR** is an insecticide which can be tank mixed with **TOUCHDOWN 5** for control of labelled pests.

TOUCHDOWN 5 plus:

2,4-D	Dual	Linex	Scepter®
Authority™	Dual II	Lorox	Sencor®
Authority Broadleaf	Frontier	Lorox Plus	Squadron®
Broadstrike	FUSION®	Partner®	Steel™
Canopy®	Gemini®	Preview®	Turbo®
Canopy XL	Lasso	Prowl	WARRIOR
Command®	Lexone®	Pursuit® Plus	

Refer to individual product labels for precautionary statements, restrictions, rates, and a list of weeds controlled. Refer to the **WEEDS CONTROLLED** tables for rates of **TOUCHDOWN 5** to use in a tankmix.

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BEARING AND NONBEARING CROPS

BEARING CROPS

TOUCHDOWN 5 can be used to control annual and perennial weeds in the following bearing crops:

Almonds	Lemon
Apricot	Lime
Beech Nuts	Macadamia Nuts
Brazil Nuts	Nectarine
Butternuts	Orange
Cashews	Peach
Cherry, Sweet	Pecans
Cherry, (Sour, Tart)	Plum (<i>Prunus domestica</i> , <i>Prunum</i> spp.)
Chestnuts	Plum, Chickasaw
Chinquapins	Plum, Damson
Citron	Plum, Japanese
Filberts (Hazelnuts)	Plumcot
Grapefruit	Prune (Fresh)
Grapes, (All)	Tangelo
Hickory Nuts	Tangerine
Kumquat	Walnuts, Black and English

NONBEARING CROPS*

TOUCHDOWN 5 can be used to control annual and perennial weeds in the following nonbearing groves, orchards, or vineyards:

Acerola (West Indian Cherry)	Jojoba
Almonds	Kiwi
Apple	Lemons
Apricots	Limes
Artichokes	Loganberry
Asparagus	Macadamia
Avocados	Mango
Bananas	Nectarines
Blackberry	Olives
Blueberry	Oranges
Boysenberry	Papayas
Cherries	Passion Fruit
Coffee	Peaches
Crabapple	Pears
Cranberry	Pecans
Dates	Persimmons
Dewberry	Pistachios
Elderberry	Plantains
Figs	Plums
Filberts	Pomegranates
Ginseng	Prunes
Gooseberry	Raspberry
Grapes	Tangelos
Grapefruit	Tangerines
Guava	Walnuts
Huckleberry	

*TOUCHDOWN 5 can be used during site preparation prior to planting and up to 1 year prior to harvest.

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APPLICATION DIRECTIONS FOR BEARING CITRUS, GRAPES, NUTS, STONE FRUIT, AND NONBEARING CROPS

Applications may be made with boom equipment, shielded sprayers, hand-held and high-volume wands, lances, orchard sprayers, or with wiper application equipment. Follow directions listed in the **APPLICATION DIRECTIONS**, **SPRAY ADDITIVES**, and **APPLICATION EQUIPMENT AND TECHNIQUES** sections of this label. Refer to the **WEEDS CONTROLLED** section for application rates and timing. For hard to control weeds, refer to **SPOT TREATMENT** section.

If annual weeds have been mowed or grazed, allow 3-4 inches of new growth to appear prior to application. If perennial weeds have been mowed or grazed, allow new growth to reach recommended stage prior to application.

Multiple applications may be necessary to control certain perennial weeds, and weeds originating from underground parts (rhizomes, stolons, tubers) that are initially untreated, but do not apply more than 6 1/3 pints of TOUCHDOWN 5 per acre per year. TOUCHDOWN 5 does not provide residual weed control, and as such, weeds emerging after application will not be controlled. For residual weed control, tank mix TOUCHDOWN 5 with residual herbicides as prescribed in the **TANK MIXTURES FOR BEARING CITRUS, GRAPES, NUTS, STONE FRUIT, AND NONBEARING CROPS** section, or make multiple applications.

TANK MIXTURES WITH RESIDUAL HERBICIDES FOR BEARING CITRUS, GRAPES, NUTS, STONE FRUIT, AND NONBEARING CROPS

TOUCHDOWN 5 can be tank mixed with herbicides listed in the following table for control or suppression of emerged annual and perennial weeds. The following residual herbicides provide preemergence control of weeds listed on the individual product labels. The "X" denotes in which bearing crops certain tankmixes can be used. All tankmixes listed can be used in the nonbearing crops listed on this label. Refer to the individual product labels for precautionary statements, restrictions, recommended rates, and a list of weeds controlled. Refer to the **Tankmixes with Residual Herbicides** section of the label for TOUCHDOWN 5 rates and timing information.

TOUCHDOWN 5 plus:	CITRUS (ALL)	GRAPES (ALL)	LEMONS	NUTS (ALL)	ORANGES/ GRAPEFRUIT (ALL)	PEACHES	STONE FRUIT (ALL)
DEVRINOL® 50-DF Herbicide	X	X	X	X	X	X	X
Direx® 4L Herbicide	X	X	X	X	X		
Goal® 1.6E Herbicide		X		X		X	X
Karmex® DF Herbicide	X	X	X	X	X	X	
Krovar® (I or II) Herbicide	X		X	X	X		
Prowl or Prowl 3.3 EC Herbicide	X		X	X	X		
Simazine (4L, 80W, or Caliber®) Herbicide		X	X		X		
Sim-Tro® 4L	X		X	X	X		
Solicam® DF	X	X	X	X	X	X	X
Surflan (AS or 75W)	X		X	X	X	X	X
Simazine (4L, 80W, or Caliber 90) plus Surflan (AS or 75W)		X	X		X		
Goal 1.6E plus Surflan (AS or 75W)				X		X	X
Goal 1.6E plus Simazine (80W, 4L, or Caliber 90)		X					
Goal 1.6E plus Surflan (AS or 75W) plus Simazine (80W, 4L, or Caliber 90)				X		X	X

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PERENNIAL GRASS SUPPRESSION OF ORCHARD FLOORS

BAHIA GRASS

TOUCHDOWN 5 can be used to inhibit seedhead emergence and suppress vegetative growth for approximately 40 to 50 days with a single application. By using a sequential application, suppression of vegetative growth and inhibition of seedhead emergence can be extended to 120 days. Applications must be made prior to seedhead emergence. Apply TOUCHDOWN 5 at 20 to 30 days after complete green-up or after mowing to 4 inches tall. When a single application is planned, use 5 fluid ounces of TOUCHDOWN 5 per acre in 10 to 20 gallons of water. When a sequential application is planned, use 3 1/2 fluid ounces per acre for the first application followed by another application of 3 1/2 fluid ounces per acre 40 to 50 days later.

BERMUDAGRASS

For Suppression Only:

East of the Rocky Mountains:

Apply 5 to 12 fluid ounces of TOUCHDOWN 5 in 3 to 20 gallons of water per acre. Make the application 2 weeks after complete green-up or after 3 to 4 inches of regrowth following mowing. Use 5 to 8 fluid ounces per acre if a lesser degree of suppression is desired. A sequential application can be used when regrowth occurs.

West of the Rocky Mountains:

Apply 12 fluid ounces of TOUCHDOWN 5 plus a nonionic surfactant/wetting agent per acre in 3 to 10 gallons of water per acre. Make the application 2 weeks after complete green-up or after 3 to 4 inches of regrowth following mowing. A sequential application can be used when regrowth occurs. See the **SPRAY ADDITIVES** section for recommendations for surfactants and wetting agents.

For Partial Control and Burndown:

TOUCHDOWN 5 can be used for burndown and partial control of bermudagrass at 1 1/2 to 3 1/2 pints in 3 to 20 gallons of water per acre. Use 1 1/2 pints east of the Rocky Mountains and 3 1/2 pints plus a nonionic surfactant/wetting agent west of the Rocky Mountains. See the **SPRAY ADDITIVES** section for recommendations for surfactants and wetting agents.

Use this treatment only if reduction of the bermudagrass stand can be tolerated. Allow at least 21 days for complete burndown.

COOL SEASON GRASS COVERS

For suppression of orchardgrass, fine fescue, tall fescue, and quackgrass, apply 6 fluid ounces of TOUCHDOWN 5 in 10 to 20 gallons of water per acre. Add ammonium sulfate at 1-2% by weight or 8.5-17 pounds per 100 gallons of spray mix.

For suppression of Kentucky bluegrass, use 5 fluid ounces of TOUCHDOWN 5. Do not add ammonium sulfate for suppression of Kentucky bluegrass.

LOW VOLUME APPLICATION (FLORIDA AND TEXAS ONLY)

To control or suppress the perennial weeds listed in the following table, apply the recommended rate of TOUCHDOWN 5 in 3 to 20 gallons of water per acre. Use 10-20 gallons per acre if weed foliage is dense. Apply when weeds are actively growing. Refer to the **WEEDS CONTROLLED** section for application timing for specific perennial weeds. If perennial weeds have been mowed or grazed, allow new growth to reach recommended growth stage prior to application.

USES FOR TOUCHDOWN 5 IN LOW VOLUME APPLICATIONS IN FLORIDA AND TEXAS ONLY

Weed Species	Rate of TOUCHDOWN 5 (Pints Per Acre)			
	1 1/2	3 1/3	4 3/4	6 1/3
Bermudagrass	B	B	PC	C
Guineagrass				
Texas and Florida Ridge	B	C	C	C
Florida Flatwoods	NR	B	C	C
Paragrass	B	C	C	C
Torpedograss	NR	S	PC	PC

B = Burndown

C = Control

NR = Not Recommended

PC = Partial Control

S = Suppression

GENERAL USE PRECAUTIONS FOR BEARING CITRUS, GRAPES, NUTS, STONE FRUIT, AND NONBEARING CROPS

- Do not allow the spray, spray drift, or mist to contact foliage, fruit, branches, canes, suckers, open wounds or green bark, or other green parts of trees and vines. Contact with any tree or vine part other than mature brown woody bark can result in severe crop injury.
- Avoid contact with stumps as injury to adjacent trees may occur from root grafting.
- For peaches grown in the south and southeast regions: Apply with a shielded applicator which prevents contact with foliage, suckers, or bark of trees. SEVERE INJURY WILL OCCUR IF ANY PORTION OF THE PEACH TREE IS CONTACTED WITH SPRAY OR SPRAY DRIFT.
- For grapes grown in the Great Lakes and northeast regions: Apply prior to the end of bloom stage to avoid injury or apply with shielded equipment.
- Allow at least 13 days from the last application to harvest of citrus and stone fruit.
- Allow at least 14 days from the last application to harvest of grapes.
- Allow at least 20 days from the last application to harvest of nuts.

WEEDS CONTROLLED

All weeds listed below are controlled by spray and hand-directed spot applications of TOUCHDOWN 5. For spray application, use the indicated rates. See DIRECTIONS FOR USE for mixing and application instructions.

TABLE 1
ANNUAL WEED CONTROL -- TOUCHDOWN 5 RATES

WEED SPECIES	SCIENTIFIC NAMES	PINTS PER ACRE			
		MAXIMUM HEIGHT/LENGTH (inches)			
		2	4	6	12
Amaranth, livid	<i>Amaranthus lividus</i>				1 1/4
Amaranth, slender	<i>Amaranthus viridis</i>				1 1/4
Amaranth, spiny	<i>Amaranthus spinosus</i>				1 1/4
Barley	<i>Hordeum vulgare</i>				2/3
Barnyardgrass	<i>Echinochloa crus-galli</i>			1 1/4	
Bluegrass, annual	<i>Poa annua</i>			3/4	
Bluegrass, bulbous	<i>Poa bulbosa</i>			3/4	
Black nightshade	<i>Solanum</i> sp.			1 1/4	
Brome, downy	<i>Bromus tectorum</i>			3/4	
Brome, Japanese	<i>Bromus japonicus</i>			3/4	
Camphorweed	<i>Heterotheca subaxillaris</i>			2 1/2	
Carolina geranium	<i>Geranium carolinianum</i>			2 1/2 - 4 1/2	
Cheat	<i>Bromus secalinus</i>			3/4	
Chickweed, common	<i>Stellaria media</i>			3/4	
Chickweed, mouseear	<i>Cerastium vulgatum</i>			3/4	
Cocklebur, common	<i>Xanthium strumarium</i>			3/4	
Corn	<i>Zea mays</i>			3/4	
Crabgrass	<i>Digitaria</i> sp.				3/4
Cutleaf eveningprimrose	<i>Oenothera laciniata</i>			2 1/2 - 4 1/2	
Fall panicum	<i>Panicum dichotomiflorum</i>			1 1/2	2 1/3
Filaree	<i>Erodium</i> sp.				2 1/3
Fleabane, rough	<i>Erigeron strigosus</i>			1 1/2	2 1/3
Foxtails	<i>Setaria</i> sp.				2/3
Goatgrass, jointed	<i>Arripops cylindrica</i>			3/4	
Goosegrass	<i>Elysius indica</i>				1 1/2
Groundsel, common	<i>Senecio vulgaris</i>			3/4	
Henbit	<i>Lamium amplexicaule</i>			3/4	

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TABLE 1 (cont.)
ANNUAL WEED CONTROL - TOUCHDOWN 5 RATES

WEED SPECIES	SCIENTIFIC NAMES	PINTS PER ACRE			
		MAXIMUM HEIGHT/LENGTH (inches)			
		2	4	6	12
Hopbroomrape, coralroot	<i>Acaulyptha ostryifolia</i>		1 1/2		
Horseweed/Marestail	<i>Conyza canadensis</i>			3/4	1 1/4
Johnsongrass, seedling	<i>Sorghum halepense</i>				3/4
Kochia	<i>Kochia scoparia</i>			3/4	2 1/3
Lambsquarters, common	<i>Chenopodium album</i>			3/4	1 1/4
Lettuce, prickly	<i>Lactuca serriola</i>			1 1/4	
Morningglory	<i>Ipomoea</i> sp.	1 1/2			
Mustard, blue	<i>Chorispora tenella</i>			2/3	
Mustard, tansy	<i>Descurainia pinnata</i>			2/3	
Mustard, tumble	<i>Sisymbrium altissimum</i>			2/3	
Mustard, wild	<i>Brassica kaber</i>			2/3	
Oats, wild	<i>Avena fatua</i>				3/4
Pennycress, field	<i>Thlaspi arvense</i>			3/4	
Panicum, Texas	<i>Panicum texanum</i>				3/4
Pigweed, redroot	<i>Amaranthus retroflexus</i>				3/4
Pigweed, smooth	<i>Amaranthus hybridus</i>				3/4
Prickly sida (Teaweed)	<i>Sida spinosus</i>		1 1/2		
Pusley, Florida	<i>Richardia scabra</i>			1 1/2	
Ragweed, common	<i>Ambrosia artemisiifolia</i>				1 1/2
Ragweed, giant	<i>Ambrosia trifida</i>				1 1/2
Red rice	<i>Oryza sativa</i>		1 1/2		
Rocket, London	<i>Sisymbrium irio</i>			3/4	
Rye	<i>Secale cereale</i>				2/3
Ryegrass, Italian	<i>Lolium multiflorum</i>			1 1/4	
Sandbur, field	<i>Cenchrus incertus</i>				2/3
Shattercane	<i>Sorghum bicolor</i>				2/3
Shepherdspurse	<i>Capsella bursa-pastoris</i>			1 1/4	
Sicklepod	<i>Cassia obtusifolia</i>	1 1/2			
Signalgrass, broadleaf	<i>Bracharia platyphylla</i>			1 1/4	
Smartweed (ladythumb)	<i>Polygonum persicaria</i>			1 1/4	

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TABLE 1 (cont.)
ANNUAL WEED CONTROL - TOUCHDOWN 5 RATES

WEED SPECIES	SCIENTIFIC NAMES	PINTS PER ACRE				
		2	4	6	12	
Smartweed, Pennsylvania	<i>Polygonum pennsylvanicum</i>			1/4		
Sowdistle, annual	<i>Soichus olitracous</i>			1/2		2/3
Spanishneedles	<i>Bulbous lupinata</i>					1/2
Sprangletop	<i>Leptochloa sp.</i>			1/2		2/3
Spurge, annual	<i>Euphorbia sp.</i>			3/4		1/2
Stinkgrass	<i>Eragrostis ciliaris</i>					2/3
Sunflower, common	<i>Helianthus annuus</i>			1/2		2/3
Thistle, Russian	<i>Salsola iberica</i>			1/2		2/3
Velvetleaf *	<i>Abutilon theophrasti</i>			2/3		
Waterhemp, common	<i>Amaranthus retro</i>					3/4
Waterhemp, tall	<i>Amaranthus hybridus</i>					3/4
Wheat	<i>Triticum aestivum</i>			1/4		1/4
Witchgrass	<i>Panicum capillare</i>					3/4
Woody cudgrass	<i>Eriochloa villosa</i>			3/4		

TABLE 2
ANNUAL WEED CONTROL – TOUCHDOWN 5 RATES IN A TANKMIX
WITH 0.25 LBS AI/A OF BANVEL OR 0.5 LBS AI/A OF 2,4-D

WEED SPECIES	SCIENTIFIC NAMES	MAXIMUM HEIGHT/LENGTH	TOUCHDOWN 5 PINTS PER ACRE
Lettuce, prickly Morningglory Ragweed, common Ragweed, giant Smartweed, Pennsylvania Velvetleaf	<i>Lactuca serriola</i> <i>Ipomoea</i> sp. <i>Ambrosia artemisiifolia</i> <i>Ambrosia trifida</i> <i>Polygonum pennsylvanicum</i> <i>Achillea theophrasti</i>	6"	3/4
Cocklebur, common Fleabane, rough Horseweed/Marestail Kochia Lambquarters, common Sunflower, common Thistle, Russian	<i>Xanthium strumarium</i> <i>Erigeron strigosus</i> <i>Conyza canadensis</i> <i>Kochia scoparia</i> <i>Chenopodium album</i> <i>Helianthus annuus</i> <i>Salsola iberica</i>	12"	

Read and follow Banvel and 2,4-D labels

TABLE 3
PERENNIAL WEED CONTROL – TOUCHDOWN 5 RATES

WEEDS SPECIES	SCIENTIFIC NAMES	PINTS PER ACRE	APPLICATION TIMING AND REMARKS
Alfalfa	<i>Medicago sativa</i>	2 1/3	At 6 to 8" or more after final cutting in fall. Deep till after 7 days
Artichoke, Jerusalem*	<i>Helianthus tuberosus</i>	6 1/3	Actively growing, at or after flowering
Bahiagrass	<i>Paspalum notatum</i>	4 2/3	Actively growing, seed head stage
Bermudagrass	<i>Cynodon dactylon</i>	6 1/3	Actively growing, seed heads present
Bindweed, field	<i>Convolvulus arvensis</i>	6 1/3	Actively growing, at or after flowering
Bluegrass, Kentucky	<i>Poa pratensis</i>	3 1/3	Actively growing, boot to early seed head
Brackenfern	<i>Pteridium aquilinum</i>	6 1/3	Fronds fully expanded and at least 18" long
Bromegrass, smooth	<i>Bromus inermis</i>	3 1/3 - 4 2/3	Actively growing, boot to early seed head
Canarygrass, reed	<i>Phalaris arundinacea</i>	4 2/3	Actively growing, boot to head
Cattail	<i>Typha</i> sp.	6 1/3	Actively growing, early head to early bud
Clover, red	<i>Trifolium pratense</i>	6 1/3	Actively growing, early head to early bud
Clover, white	<i>Trifolium repens</i>	6 1/3	Actively growing, early head to early bud

*Partial Control

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TABLE 3 (cont.)
PERENNIAL WEED CONTROL - TOUCHDOWN 5 RATES

WEEDS SPECIES	SCIENTIFIC NAMES	PINTS PER ACRE	APPLICATION TIMING AND REMARKS
Cogongrass*	<i>Imperata cylindrica</i>	6 1/3	Actively growing, late summer/fall greater than 18"
Crowfootgrass	<i>Dactyloctenium aegyptium</i>	2 1/3	Actively growing, less than 6"
Dandelion	<i>Taraxacum officinale</i>	3 2/3	Actively growing, early bud
Dayflowers*	<i>Commelina</i> sp.	5	Actively growing, less than 4 inches in height
Dock, curly	<i>Rumex crispus</i>	3 1/3	Actively growing, early bud
Dogbane, hemp	<i>Apocynum cannabinum</i>	6 1/3	Actively growing, late bud to flower
Dogfennel	<i>Eupatorium capillifolium</i>	3 1/3	Actively growing, less than 12 inches in height
Fescue	<i>Festuca</i> sp.	4 1/3	Actively growing, boot to early seedhead
Goatweed	<i>Scoparia dulcis</i>	4 2/3	Actively growing, less than 7" tall
Guineagrass *	<i>Panicum maximum</i>	4 2/3	Actively growing, 7 leaf
Horsenettle	<i>Solanum carolinense</i>	6 1/3	Actively growing, early head to early bud
Johnsongrass	<i>Sorghum halepense</i>	2 1/3	Actively growing, boot to head or prior to frost
Milkweed, common	<i>Asclepias syriaca</i>	4 2/3	Actively growing, late bud to flower
Muhly, wirestem	<i>Muhlenbergia frondosa</i>	3 1/3	Actively growing, 8" in height or more, actively growing
Mullein, common	<i>Verbascum thapsus</i>	6 1/3	Early head to early bud
Nutsedge, purple	<i>Cyperus rotundus</i>	4 2/3	Actively growing, flower
Nutsedge, yellow	<i>Cyperus esculentus</i>	2 1/3 + 2 1/3	Make sequential applications when actively growing, 3-5 leaf, less than 6" tall
Orchardgrass	<i>Dactylis glomerata</i>	3 1/3 - 4 1/3	Actively growing, minimum height of 12" in spring, 6" in fall
Paragrass	<i>Bracharia mutica</i>	3 1/3	Actively growing, seedhead stage
Phaseybean*	<i>Phaseolus lathyroides</i>	6 1/3	Actively growing, less than 8" tall
Quackgrass	<i>Alopyrum repens</i>	1 1/2	Actively growing, less than 5" tall - retreatment may be required
		4	Actively growing, greater than 5" tall
Redvine*	<i>Brunnicha ovata</i>	2 1/3	Actively growing, greater than 16" tall in September/October
Ryegrass, perennial	<i>Lolium perenne</i>	2 1/3	Actively growing, boot to head or prior to frost
Smallflowered Alexanderggrass	<i>Bracharia subquadrifera</i>	3 1/3 - 4 2/3	Actively growing, less than 4 inches in height
Smartweed, swamp	<i>Polygonum coccineum</i>	2 1/3	Actively growing, early bud
Spurge, leafy	<i>Euphorbia esula</i>	3 2/3	Actively growing, greater than 12" tall in late summer or fall

*Partial Control

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TABLE 3 (cont.)
PERENNIAL WEED CONTROL - TOUCHDOWN 5 RATES

WEEDS SPECIES	SCIENTIFIC NAMES	PINTS PER ACRE	APPLICATION TIMING AND REMARKS
Switchgrass	<i>Panicum virgatum</i>	2 1/3	Actively growing, boot to head stage
Thistle, Canada	<i>Cirsium arvense</i>	4 2/3	Actively growing, beyond bud stage
Timothy	<i>Phleum pratense</i>	4 2/3	Actively growing, boot to head
Torpedograss*	<i>Paracum rufum</i>	6 1/3	Actively growing, at or beyond seedhead
Trumpet creeper*	<i>Cathartes radicans</i>	3 1/3	Actively growing, late September/October
Vaseygrass	<i>Paspalum urvillei</i>	2 1/3	Actively growing, less than 12 inches in height
Virginia Creeper	<i>Parthenocissus quinquefolia</i>	6 1/3	Actively growing, full leaf expansion
Wheatgrass, Western	<i>Agropyron smithii</i>	4 2/3	Actively growing, boot to head

*Partial Control

TABLE 4
PERENNIAL WEED CONTROL - TOUCHDOWN 5 RATES IN A TANKMIX WITH
0.25 LBS AI/A OF BANVEL OR 0.5 LBS AI/A OF 2,4-D

WEEDS SPECIES	SCIENTIFIC NAMES	PINTS PER ACRE	APPLICATION TIMING AND REMARKS
Bindweed, field	<i>Convolvulus arvensis</i>	1 1/2	Actively growing, at or after flowering
Dandelion	<i>Taraxacum officinale</i>	3/4	Actively growing, early bud
Dock, curly	<i>Rumex crispus</i>	3/4	Actively growing, early bud
Dogbane, hemp	<i>Apocynum cannabinum</i>	1 1/2	Actively growing, late bud to flower
Milkweed, common	<i>Asclepias syriaca</i>	1 1/2	Actively growing, late bud to flower
Milkweed, honeyvine	<i>Amorpha alba</i>	3 1/3	Actively growing, late bud to flower
Smartweed, swamp	<i>Polygonum coccineum</i>	3/4	Actively growing, early bud
Spurge, leafy*	<i>Euphorbia esula</i>	3/4	Actively growing, greater than 12" tall in late summer or fall

*Partial Control

Read and follow Banvel and 2,4-D labels

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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. Keep people and pets off treated areas until spray solution has dried.

FARMSTEAD (NONCROP)

- Applications can be made in noncrop areas around the farm such as:

Farmyards	Rights-of-way
Soil Bank Land	Barrier Strips
Farm Buildings	Equipment Areas
Fuel Storage Areas	Fence Rows

- Apply to annual and perennial grass and broadleaf weeds according to the **WEEDS CONTROLLED** section of this label.
- Avoid contact with the foliage of ornamentals or other desirable plants.
- Repeat applications may be necessary.

STORAGE AND DISPOSAL

PESTICIDE STORAGE: Do not contaminate water, food, or feed by storage and disposal. Keep container tightly closed when not in use. For help with any spill, leak, fire, or accident involving this material, call CHEMTREC 1-800-424-9300.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or 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.

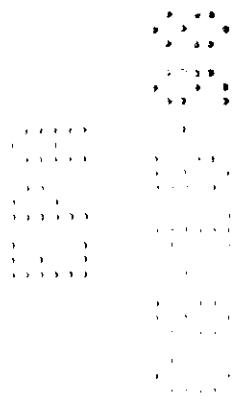
FOR RECYCLABLE/REFILLABLE CONTAINERS:

Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices. After filling and before transporting, check for leaks. Do not refill or transport damaged or leaking container.

CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

Container Is Not Safe for Food, Feed, or Drinking Water!

2004/08



Made in U.S.A.

ZENECA Ag Products

ZENECA Inc.
Wilmington, Delaware 19850-5458

04005937
109701 (Rev. 5/98)

ZENECA Ag Products

Touchdown[®] 5

HERBICIDE



NONSELECTIVE FOLIAR SYSTEMIC HERBICIDE FOR WEED CONTROL

ACTIVE INGREDIENT:

Sulfonium, trimethyl-salt with N-(phosphonomethyl)glycine (1:1)* ... 48.6%

INERT INGREDIENTS: ... 51.4%

Total ... 100.0%

*Sulfosate

Contains 5 pounds active ingredient per gallon.

EPA Reg. No. 10182-429

COMPLETE DIRECTIONS FOR USE

KEEP OUT OF REACH OF CHILDREN

CAUTION

See attached booklet for
complete Directions for Use

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