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## **TOUCHDOWN®** Concentrate

Nonselective Foliar Systemic Herbicide for Weed Control in Nonbearing Trees and Vines, and Noncrop Areas Around the Farm

ACCEPTED

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Under the Federal Intecticitie.
Pungacide, and Redenticide Act, as amended, for the pesticide regionered ender the regionered ender

**COMPLETE DIRECTIONS FOR USE** 

EPA Reg. No. 10182-276

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Made in U.S.A. ICI Agricultural Products ICI Americas Inc. Wilmington, DE 19897

## KEEP OUT OF REACH OF CHILDREN

#### CAUTION

	. Wt.
Trimethylsulfonium carboxy methylaminomethylphosphonate*	
Total	
Contains 5.5 pounds active ingredient per gallon.	

#### STATEMENT OF PRACTICAL TREATMENT

If a known exposure occurs or is suspected, immediately initiate the recommended procedures below. If further treatment is required, contact a POISON CONTROL CENTER, a physician, or the nearest hospital.

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IF SWALLOWED: Immediately give several glasses of water and induce vomiting by gagging the victim with a finger placed on the back of the victim's tongue. Give fluids until vomitus is clear. Do not induce vomiting or give anything by mouth if victim is unconscious or convulsing.

IF ON SKIN: Flush with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if skin irritation occurs. Wash clothing before reuse.

IF IN EYES: Hold eyelids apart and flush eyes with large amounts of running water for at least 15 minutes. Get medical attention if irritation persists.

IF INHALED: Remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D (327-8633).

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure or accident call CHEMTREC 1-800-424-9300.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

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HARMFUL IF SWALLOWED, ABSORBED THROUGH THE SKIN OR INHALED. PROLONGED CONTACT MAY CAUSE SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTIONS. Avoid contact with skin, eyes or clothing. Wear rubber gloves when handling. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse.

## **ENVIRONMENTAL HAZARDS**

Keep out of lakes, ponds and streams. 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 when disposing 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.

## **OTHER PRECAUTIONS**

Caution must be taken when applying TOUCHDOWN® Concentrate herbicide to avoid drift or contact with nontarget plant species. Such contact may result in plant injury.

TOUCHDOWN Concentrate should not be mixed or stored in galvanized steel or unlined steel containers. Stainless steel, plastic-lined steel, plastic or fiberglass containers are acceptable for mixing and storing TOUCHDOWN Concentrate.

## **DIRECTIONS FOR USE**

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

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR (PEST) CONTROL, CROP INJURY OR ILLEGAL RESIDUES.

- Apply this product only as specified on the label.
- Do not apply by aircraft.
- · Do not apply this product through any type of irrigation system.

#### **GENERAL INFORMATION**

TOUCHDOWN Concentrate herbicide is a nonselective foliar systemic herbicide used to control a broad spectrum of emerged weeds. TOUCHDOWN Concentrate controls most grass and broadleaf weeds — both annual and perennial. TOUCHDOWN Concentrate may be used in nonbearing groves, orchards, or vineyards up to within 1 year of harvest; and in certain noncrop areas around the farm to control unwanted vegetation.

TOUCHDOWN Concentrate is formulated as a liquid concentrate which contains 5.5 pounds of active ingredient per gallon.

TOUCHDOWN Concentrate herbieide requires a 6-hour rain-free period after application. Rain occurring within six hours of application may reduce weed control.

## **APPLICATION DIRECTIONS**

#### Timing

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TOUCHDOWN Concentrate should be applied to actively growing emerged weeds when they are small. Weeds 6 inches in height are the easiest to control. Larger weeds may be more difficult to control. The exception to this is johnsongrass or bermudagrass. These grasses should be allowed to reach the seedhead stage before application.

When weeds have been mowed, thus removing much of the green foliage, allow the weeds to regrew to a height of at least 6 inches before spraying wait for 3-4 inches of new growth to appear before making an application of TOLICHWODN 4LC.

#### Rates

Follow recommended rates for TOUCHDOWN Concentrate 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**

When perennial broadleaf weeds such as Canada thistle, field bindweed, or difficult to control annual broadleaf weeds such as common ragweed or morningglory spp. are present, tankmixes with 2,4-D or Banvel® herbicide, where labeled, will help improve control. In general, labeled TOUCHDOWN Concentrate tankmixes with other products should be mixed as follows:

- 1. Fill sp. ay 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 Concentrate and nonionic surfactant to tank.
- 6. Fill remainder of spray tank.

Always refer to labels of other pesticide products for mixing directions and precautions which r.ay differ from those outlined here.

## **SPRAY ADDITIVES**

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## **Surfactants/Wetting Agents**

A surfactant or wetting agent proved for use on growing crops such as Ortho X 77\*, Triton AG-98, Activator 90, or Lo Dose IS REQUIRED with TOUCHDOWN Concentrate to improve coverage of weed foliage. All surfactants or wetting agents should contain at least 50% active ingredient. The concentration of active ingredient in a particular surfactant will determine how much should be added to the tank. Refer to table below for specific recommendations:

Surfactant % Active Ingredient	Rate of Surfactant Per 1 Gallon of Water	Rate of Surfactant** Per 100 Gallons of Water
75% or greater 50-74% Less than 50%	3/4 fl oz 1-1/2 fl oz DO NOT USE	2 quarts* 4 quarts DO NOT USE

<sup>\*2</sup> quarts = 0.5% V/V.

#### **Ammonium Sulfate**

Control of annual and perennial weeds with TOUCHDOWN Concentrate may be improved by adding dry ammonium sulfate at two (2) percent by weight or 17 lbs/100 gallons water in addition to nonionic surfactant. The addition of ammonium sulfate will generally improve control under conditions of adverse environmental stress. Do not reduce use rates of TOUCHDOWN Concentrate or nonionic surfactant when using ammonium sulfate.

## **APPLICATION EQUIPMENT & TECHNIQUES**

#### **Broadcast Application**

Apply TOUCHDOWN Concentrate to actively growing weeds at the broadcast lates indicated in the WEEDS CONTROLLED section. Applications should be made in 10 to 30 gallons of water per acre with conventional spray equipment, or in 2 to 10 gallons per acre with low volume equipment. Increase volumes if weed foliage is dense.

The use of flat-fan nozzles will result in the most effective application of TOU: CHOOWN Concentrate. Flat fans should be used at 30-50 psi. Flood nozzles are generally not as good as flat fans since they produce large uneven droplets. The use of flood nozzles may result in reduced weed control due to inadequate coverage.

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## **Spot Treatments**

For control of annual weeds listed use a 0.25% to 0.5% solution of TOUCHDOWN Concentrate plus nonionic surfactant in water to weeds less than 6 inches in height or runner length. For annual weeds over 6 inches, use a 0.5 to 1% solution. For perennials, such as nemp dogbane, field bindweed, dock, bermudagrass, milkweed, canada thistle, and for the weeds listed in Tables 4 and 5, use a 1.5 to 2% solution. Use a 3 to 5% solution when using motorized spot spray equipment (i.e. bean buggy or a rider bar). Spray the solution on actively growing foliage until uniformly wet but not to the point of runoff. Retreat if necessary 14-21 days later if regrowth occurs.

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

## **Spot Spray Recommendations**

## Amount of TOUCHDOWN Concentrate Herbicide for Hand-Directed Spot Spray\*

To Make This Volume

				<u> </u>	
Solution Strength	1 gallon	2 gallons	10 gallons	25 gallons	100 gailons
0.25% 0.5% 1% 1.5% 2% 3% 5%	1/3 fl oz 2/3 fl oz 1-1/3 fl oz 2 fl oz 2-2/3 fl oz 4 fl oz 6-1/2 fl oz	2/3 fl oz 1-1/3 fl oz 2-1/2 fl oz 4 fl oz 5-1/3 fl oz 8 fl oz 13 fl oz	3-1/3 fl oz 6-2/3 fl oz 12-1/2 fl oz 19-1/3 fl oz 1-1/2 pints 2-1/2 pints 4 pints	8 fl oz 1 pint 2 pints 3 pints 4 pints 6 pints 10 pints	2 pints 4 pints 1 gallon 1-1/2 gallons 2 gallons 3 gallons 5 gallons

<sup>\*</sup> See SPRAY APPLICATION directions for surfactants and amounts which can be used.

1/3 fl. oz. = 2 teaspoons

8 fl. oz. or 1/2 pint = 1 cup

1/2 fl. oz. = 1 tablespoon

16 fl. oz. = 1 pint

1 fl. oz. = 2 tablespoons

1 gallon = 8 pints

## Wiper Applications

TOUCHDOWN Concentrate 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. To prevent injury to the crop or desirable vegetation, precautions should be taken to avoid contact with these plants. 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.

## **Mixing Directions**

Mix 2-1/2 quarts of TOUCHDOWN Concentrate in 2 gallons of water. Apply this mixture to target weeds, while avoiding contact with desirable vegetation.

#### **GENERAL USE PRECAUTIONS**

TOUCHDOWN Concentrate 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 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.
- Do not tank mix TOUCHDOWN Concentrate with other pesticides or any other additives except as specified on this label or other supplemental labeling.
- Do not apply TOUCHDOWN Concentrate if rain is expected within six (6) hours.
- Thoroughly clean spray tank after each use.

## **NONBEARING CROPS**

## **GENERAL INFC 3MATION**

TOUCHDOWN Concentrate can be used to control annual and perennial weeds in nonbearing groves, orchards, or vineyards. Use TOUCHDOWN Concentrate during site preparation prior to planting and up to within 1 year of harvest. TOUCHDOWN Concentrate is recommended on the following nonbearing crops:

Acerola

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(West Indian Cherry)

Almonds

**Apples** 

**Apricots Artichokes** 

**Asparagus** 

**Avocados** 

Blackberry

Blueberry

Boysenberry

Cherries Crabapple

Cranberry **Dates** 

Dewberry

Elderberry

**Figs** 

**Filberts** 

Ginseng

Gooseberry

Grapes

Grapefruit

Guava

Jojoba

Huckleberry

Kiwi

Lemons

Limes

Loganberry

Macadamia

Mango

**Nectarines** 

Olives

Oranges

**Papayas** 

Passion Fruit

**Peaches** 

Pears

**Pecans** 

Persimmons

**Pistachios** 

Plums

**Pomegranates** 

Prunes

Raspberry

**Tangelos** 

**Tangerines** 

Walnuts

## **APPLICATION DIRECTIONS FOR NONBEARING TREES AND VINES**

Applications may be made with boom equipment, CDA, shielded sprayers, hand-held and high-volume wands, lances, orchard sprayers, or with wiper application equipment. See the **APPLICATION DIRECTIONS** section of this label for specific information on use of equipment, carriers, and nozzles.

Multiple applications may be necessary to control certain perennial weeds, and weeds originating from underground parts (rhizomes, stolons, tubers) that are initially untreated. TOUCHDOWN Concentrate does not provide residual weed control, and as such, weeds emerging after application will not be controlled. For residual weed control, tank mix TOUCHDOWN Concentrate with residual herbicides as prescribed in the TANK MIXTURES FOR NONBEARING TREES AND VINES section, or make multiple applications.

#### TANK MIXTURES FOR NONBEARING CROPS

TOUCHDOWN Concentrate can be tank mixed with the following herbicides 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.

**TOUCHDOWN Concentrate herbicide plus:** 

- \* DEVRINOL 50-DF herbicide
- \* Goal® 1.6E herbicide
- \* Karmex® WP herbicide
- \* Krovar® I herbicide
- \* Krovar II

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- \* Simazine/Caliber® 90 herbicides
- \* Simazine (80W, 4L, or Caliber 90) plus Surflan® herbicide (AS or 75W)
- \* Simazine 4L
- \* Simazine 80W
- \* Surflan AS
- \* Surflan 75W
- \* Goal 1.6E plus Surflan (AS or 75W)
- \* Goal 1.6E plus Simazine (80W, 4L, or Caliber 90)
- \* Goal 1.6E plus Surflan (AS or 75W) plus Simazine (80W, 4L, or Caliber 90)

Following are rates for the residual herbicides:

PRODUCT	RATE/ACRE
DEVRINOL 50-DF	8 fbs.
Goal 1.6E	1-1/4 to 5 qts.
Karmex WP	2 to 8 lbs.
Krovar I	2 to 8 lbs.
Krovar II	2 to 8 lbs.
Simazine, Caliber 90	1.1 to 10.6 lbs.

PRODUCT	RATE/ACRE
Simazine 80W	1-1/4 to 12 lbs.
Simazine 4L	2 to 9.6 qts.
Surflan AS	2 to 4 qts.
Surflan 75W	2-2/3 to 5-1/3 lbs.

Refer to the individual product labels for precautionary statements, restrictions, rates, and a list of weeds controlled.

## For control of emerged weeds in a tankmix:

- Use TOUCHDOWN Concentrate at 1-1/2 pints (24 fl.oz.) for the control of annual weeds that are less than 12 inches tall. When annual weeds are taller than 12 inches use 2-1/4 pints (36 fl.oz.) of TOUCHDOWN Concentrate herbicide.
- Use TOUCHDOWN Concentrate at 3 pints (48 fl.oz.) to 5-3/4 pints (92 fl.oz.) for suppression of perennial weeds. Perennial weeds may require multiple applications for control.
- Add an agriculturally approved nonionic surfactant when tank mixing TOUCHDOWN
   Concentrate with residual herbicides. See the SPRAY ADDITIVES section of this label for recommendations.

## **GENERAL USE PRECAUTIONS**

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Do not allow the spray, spray drift, or mist to contact green foliage or green bark on the trunk, suckers, open wounds, or other green parts of trees and vines.

Contact with any tree or vine part other than mature brown woody bark may cause crop injury.

Avoid contact with stumps as injury to adjacent trees may occur from root grafting.

If annual or perennial weeds have been mowed or grazed, wait for 3 to 4 inches of new growth to appear before making an application of TOUCHDOWN Concentrate. See the **WEEDS**CC\*\*TROLLED section for specific rates of application.

Do not apply more than a total of 4 pounds active ingredient of TOUGHDOWN Concentrate herbicide per acre per year.

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#### PERENNIAL GRASS SUPPRESSION IN ORCHARD FLOORS

## **BAHIAGRASS**

TOUCHDO'M Concentrate herbicide can be used to inhibit seedhead emergence and suppress vegetarize growth for approximately 40-50 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 Concentrate at 20-30 days after complete green-up or after moving to 4 inches tall. When a ringle application is planned, use 5 fluid ounces of TOUCHDOWN Concentrate per acre plus 0.5 to 1.0% v/v nonionic surfactant in 10-25 gallons of water. When

a sequential application is planned, use 3 fluid ounces per acre for the first application followed by another application of 3 fluid ounces per acre 40-50 days later.

## **BERMUDAGRASS**

## For Suppression Only:

## 1. East of the Rocky Mountains

Apply 5 to 11 fluid ounces of TOUCHDOWN Concentrate herbicide plus 0.5 to 1.0% v/v nonionic surfactant in 3-20 gallons of water per acre. Make the application 2 weeks after complete green-up or after 3-4 inches of regrowth following mowing. Use 5 fluid ounces per acre if a lesser degree of suppression is desired. A sequential application can be used when regrowth occurs if bermudagrass injury and stand reduction can be tolerated.

## 2. West of the Rocky Mountains

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Apply 11 fluid ounces of TOUCHDOWN Concentrate plus 0.5 to 1.0% v/v nonionic surfactant per acre in 3 to 10 gallons of water per acre. Make the application 2 weeks after complete green-up or a er 3-4 inches of regrowth following mowing. A sequential application can be used when the growth occurs if bermudagrass injury and stand reduction can be tolerated.

#### Partial Control and Burndown:

TOUCHDOWN Concentrate herbicide can be used for burndown and partial control of bermudagrass at 1-1/2 pints (24 fl.oz.) to 3 pints (48 fl.oz.) plus 0.5 to 1.0% v/v nonionic surfactant in 3 to 20 gallons of water per acre. Use 1-1/2 pints east of the Rocky Mountains and 3 pints west of the Rocky Mountains.

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 Concentrate herbicide. Add a nonionic surfactant at 0.5 to 1.0% v/v in 10 to 20 gallons of water. Add ammonium sulfate at 2% by weight or 17 pounds per 100 gallons of spray mix. For suppression of Kentucky bluegrass, use 5 fluid ounces of TOUCHDOWN Concentrate plus 0.5% to 1.0% v/v nonionic surfactant. Do not add ammonium solfate for suppression of Kentucky bluegrass.

## LOW VOLUME APPLICATION (FLORIDA AND TEXAS ONLY)

To control or suppress the perennial weeds listed in the following table below, apply the recommended rate of TOUCHDOWN Concentrate plus 0.5 to 1.0% v/v nonionic surfactant in 3 to 20 gallons of water per acre. Use higher gallonage if weed foliage is dense. Apply, when the weeds have 3 to 4 inches of regrowth after mowing and are actively growing.



## USES FOR TOUCHDOWN CONCENTRATE IN LOW VOLUME APPLICATIONS IN FLORIDA AND TEXAS ONLY

Weed Species	Rate of TOUCHDOWN Concentrate (Pints per Acre)			
	1-1/2	3	4-1/2	534
Bermudagrass*	В	NR	PC	С
Guineagrass Texas and Florida Ridge Florida Flatwoods	B NR	C B	CC	C
Paragrass	В	С	С	С
Torpedograss	S	NR	PC	С

<sup>\*</sup>For suppression use 1/2 pint per acre.

S = Suppression

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B = Bumdown

PC = Partial Control

C = Control

NR = Not Recommended

## CONSERVATION RESERVE COMPLIANCE OR FEDERAL SET-ASIDE PROGRAMS

(For use in compliance with the Federal Conservation Reserve Compliance or Federal set-aside programs)

Apply to annual and perennial grass and broadleaf weeds according to the **WEEDS CONTROLLED** section of this label.

TOUCHDOWN Concentrate may be tank mixed with other herbicides registered for this use.

## **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 omamentals or other desirable plants.
- Repeat applications may be necessary
- Do not exceed a total of 4 lbs. a.i. (5.8 pints of TOUCHDOWN Concentrate per acre per year.

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## **WEEDS CONTROLLED**

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

## TABLE 1

The following weeds are controlled by 0.5 to 1.5 pints (0.35 - 1.0 lbs ai) TOUCHDOWN Concentrate per acre:

## **COMMON NAME**

Bluegrass, Annual

Chickweed

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Cupgrass, Southwestern

Foxtail, Giant Foxtail, Green Jimsonweed Kochia Oats, Wild Puncturevine

Ryegrass, Italian (Annual)

Signalgrass Sowthistle

Spurge, Spotted Thistle, Russian Wheat, Volunteer

Witchgrass

## SCIENTIFIC NAME

Poa annua
Stellaria media
Eriochloa gracilis
Setaria faberi
Setaria viridis
Datura stramonium
Kochia scoparia
Avena fatua
Tribulus terrestris
Lolium multiflorum
Brachiaria spp.
Sonchus spp.
Euphorbia maculata
Salsola kali

Salsola kali Triticum spp. Panicum capillare

## TABLE 2

The following weeds are controlled by 1 to 2.5 pints (0.69 - 1.7 lbs ai) TOUCHDOWN Concentrate per acre:

## **COMMON NAME**

Alfalfa, Volunteer Barley, Little Barnyardgrass Com, Volunteer Crabgrass, Large

Eveningprimrose, Cutleaf

Goosegrass

Lambsquarters, Common

Mustard

Nightshade, Black

Panic Grass

Pigweed, Redroot Pineappleweed Quackgrass

Ryegrass, Perennial

Sicklepod

Smartweed, Pennsylvania

**Timothy** 

## SCIENTIFIC NAME

Medicago sativa Hordeum pusillum Echinochloa crus-galli

Zea mays

Digitaria sanguinalis Oenothera laciniata Eleusine indica Chenopodium album Brassica spp.

Solanum nigrum
Panicum spp.

Amaranthus retroflexus Matricaria matricarioides Agropyron repens Lolium perenne

Cassia obtusifolia

Polygonum pensylvanicum

Phleum pratense

#### TABLE 3

The following weeds are controlled by 1.5 to 3 pints (1.0 - 2.0 lbs ai) TOUCHDOWN Concentrate per acre:

#### **COMMON NAME**

## SCIENTIFIC NAME

Bromus tectorum

Xanthium spp.

Brome, Downy Cocklebur Dogbane, Hemp

Hophornbeam, Copperleaf Johnsongrass, Rhizome\* Johnsongrass, Seedling

Milkweed

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Purslane, Common

Radish, Wild Ragweed, Giant Shepherd's-purse Apocynum cannabinum Acalypha ostryaefolia Sorghum halepense Sorghum halepense Ascelepias spp. Portulaca oleracea Raphanus raphinstrum

Ambrosia trifida

Capsella bursa-pastoris

<sup>\*</sup>To control regrowth of rhizome johnsongrass, apply TOUCHDOWN Concertrate at or near seedhead stage or later.



#### TABLE 4

The following weeds are controlled by 2 to 4.5 pints (1.4 - 3.0 lbs ai) TOUCHDOWN Concentrate per acre:

#### **COMMON NAME**

#### SCIENTIFIC NAME

**Momingglory** 

Ragweed, Common

Sida, Prickly

Thistle, Canada

Ipomea spp.

Ambrosia artemisiifolia

Sida spinosa

Cirsium arvense

#### TABLE 5

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The following weeds are controlled by 3 to 5.8 pints (2.0 - 4.0 lbs ai) TOUCHDOWN Concentrate per acre:

## **COMMON NAME**

## SCIENTIFIC NAME

Bermudagrass\*
Bindweed, Field\*\*
Cogongrass
Fescue, Tall
Nutsedge, Yellow
Sesbania, Hemp
Velvetleaf

Cynodon dactylon
Convolvulus arvensis
Imperata cylindrica
Fescue arundianacea
Cyperus esculentus
Sesbania exaltata
Abutilon theophrasti

<sup>\*</sup>To control regrowth of bermudagrass, apply TOUCHDOWN Concentrate at or near seedhead stage or later.

<sup>\*\*</sup>To control regrowth of field bindweed, apply TOUCHDOWN Concentrate at or near flowering stage.

#### STORAGE AND DISPOSAL DIRECTIONS

PROHIBITIONS: Do not contaminate water, food, feed, fertilizer, or seeds by storage or disposal.

STORAGE: Keep container tightly closed when not in use.

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

## **CONTAINER DISPOSAL:**

Plastic - 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.

Metal - Triple rinse (or equivalent); then offer for recycling or reconditioning, or disposal in a sanitary landfill, or by other approved State and local procedures.

## FOR EZ HANDLER CONTAINERS

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 instructions.

#### **CONTAINER PRECAUTIONS**

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Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or wom threads on closure devices.

REFILL ONLY WITH TOUCHDOWN. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than TOUCHDOWN will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

**IMPORTANT:** Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product.

#### CONDITIONS OF SALE AND LIMITED WARRANTY:

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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.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label, subject to the inherent risks referred to above, when used in accordance with 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 or beyond the control of Seller and Buyer and User assume the risk of any such use. SELLER DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY.

When Buyer or User claims losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability or other legal theories), Buyer or User must promptly notify in writing Seller of any claims to be eligible to receive either of the remedies set forth below. The EXCLUSIV HEMEDY OF BUYER OR USER and the LIMIT OF LIABILITY of Seller will be, at the election of Seller, refund of the purchase price paid for product bought, or replacement of amount of product used. SELLER SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT AND SELLER'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE.

This product is sold only for uses stated on its label. No express or implied license is granted to use or sell this product under any patent in any country except as specified. Country: United States of America. U.S. Patent No. 4,315,765.

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Banvel® is a trademark of Sandoz Crop Protection Corporation.
Surflan® is a trademark of Elanco Products Incorporated.



# TOUCHDOWN® CONCENTRATE EPA Reg. No. 10182-276

Page 3	Deleted existing "wetlands" statement. Added "Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark" per the 3/15/90, 3/18/91, and 3/19/91 letters from R. J. Taylor.
Page 4	Changed statement about amount of regrowth following mowing in AFPLICATION DIRECTIONS Section.
Page 5	Deleted list of adjuvants. Changed volume from 1 to 10; to 2 to 10 gallons.
Page 6	Added rate ranges; deleted Bean Buggy; and changed retreatment instructions in the Spot Treatments section.
Page 7	Added certain crops to the NONBEARING CROPS list. These were previously approved on 2/28/91 for TOUCHDOWN EPA Reg. No. 10182-324.
Page 8	Added DEVRINOL 50DF herbicide to the tank mix list.
Page 9	Added rates in (fl. ozs.) as well as in pints.
Page 10	Added in the GENERAL USE PRECAUTIONS section the following statement, "Do not apply more than a total of 4 pounds active ingredient of TOUCHDOWN® Concentrate herbicide per acre per year."
Page 11	Added title to table for low volume applications in Florida and Texas. Reduced maximum rate in table to 5 3/4 pints per acre (4 lbs ai/A).
Page 14	Added two footnotes to Table 5. These statements are already approved on TOUCHDOWN, EPA Reg. No. 10182-324 and are added here for consistency.
Page 15	Added section for EZ Handler Containers.
Page 16	Added Registered Trademarks.