

Drexel®

# IMITATOR® 18% Concentrate

**ACTIVE INGREDIENT:**

Glyphosate in the form of its isopropylamine salt* .....	18.0%
<b>OTHER INGREDIENTS:</b> .....	82.0%
<b>TOTAL:</b> .....	100.0%

\*Equivalent to 13.33% or 1.19 pounds per gallon of the acid, glyphosate.

## KEEP OUT OF REACH OF CHILDREN CAUTION

See **FIRST AID** Below

EPA Reg. No. 19713-629

EPA Est. No. 19713-XX-XXX      Net Content: \_\_\_\_\_

FIRST AID	
<b>IF IN EYES:</b>	
<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>	
Have the container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.	

PRECAUTIONARY STATEMENTS	
<b>Hazards to Humans and Domestic Animals</b>	
<b>CAUTION:</b> Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes or clothing.	
<b>PERSONAL PROTECTIVE EQUIPMENT (PPE)</b>	
Applicators and other handlers must wear long-sleeved shirt and long pants and shoes plus socks.	
Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.	

USER SAFETY RECOMMENDATIONS	
Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.	

**ENVIRONMENTAL HAZARDS**

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface water. Applying this product in calm weather when rain is not predicted for 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage system.

**PRODUCT INFORMATION**

This product is a nonselective systemic herbicide that will kill almost all annual and perennial weeds, grasses, vines, brush, stumps, and other unwanted plants, even difficult-to-kill weeds. It is absorbed by the plants through its leaves and moves down to the roots killing the plant. This product has no soil residual activity.

Mix this product with water and use to control weeds around buildings, vacant lots, storage and recreational areas, gravel or ground bark mulch, flower beds, ornamentals and shrubs, shade trees; along

fences, sidewalks, driveways or walkways, patios, and other areas in your yard. This product can also be used for large jobs such as lawn renovation/restoration and garden/ornamental plot preparation.

<b>Kills:</b>	• Weeds and grasses
<b>For Use:</b>	<ul style="list-style-type: none"> <li>• On driveways or walkways; patios</li> <li>• Around flowers, shrubs or trees (including fruit trees), vegetables</li> <li>• Along fences</li> <li>• Around structures</li> </ul>
<b>In Large Areas:</b>	<ul style="list-style-type: none"> <li>• For lawn replacement/renovation</li> <li>• For garden/ornamental replacement/plot preparation</li> </ul>

**WEEDS CONTROLLED**

INCLUDES: Bahiagrass, Barnyardgrass, Bermudagrass, Canada thistle, Chickweed, Common ragweed, Crabgrass, Dandelion, Fescues, Field bindweed, Field sandbur, Foxtail, Johnsongrass, Kentucky bluegrass, Kudzu, Lambsquarters, Orchardgrass, Perennial ryegrass, Poison ivy, Poison oak, Quackgrass, Red clover, Sheperdspurse, Smooth bromegrass, Sowthistle, White clover, and Yellow nutsedge.

[OR ALTERNATE TEXT]

**WEEDS CONTROLLED**

Controls weeds and grasses including:

GENERAL WEED CONTROL (ANNUALS)	
Annual bluegrass	Little bitter cress
Barnyardgrass	Lettuce (prickly)
Beggarweed	London rocket
Black medic	Maiden cane
Blue toadflax	Mallow
Brassbuttons	Mayweed
Bromegrass	Mouseear chickweed
Burclover	Mustard
Buttercup	(blue, tansy, tumble, wild)
Creeping beggarweed	Pennycress (field)
Chickweed	Pennsylvania smartweed
Common groundsel	Pigweed (redroot, smooth)
Common plantain	Prostate spurge
Crabgrass	Puncturevine
Diffuse lovegrass	Ragweed (common)
Dogfennel	Ryegrass (annual)
Evening primrose	Sandbur (field)
Fall panicum	Sheperdspurse
Fiddleneck	Smooth cat's ear
Filaree	Sowthistle
Florida pusley	Spotted spurge
Foxtail	Sprangletop
Garden spurge	Tansy ragwort
Goosegrass	Teaweed
Henbit	Texas panicum
Horseweed/Marestail	Witchgrass
Knotweed	
Lambsquarters	

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Manufactured By:  
**Drexel Chemical Company**  
 P.O. BOX 13327, MEMPHIS, TN 38113-0327  
**SINCE 1972**

TOUGH WEED CONTROL (BRUSH, PERENNIALS, AND WOODY PLANTS)	
Alder	Maple
Ash	Milkweed
Aspen	Nightshade, silverleaf
Bahiagrass	Nimbleweed
Bentgrass	Nutsedge (purple, yellow)
Bermudagrass	Oak species
Bindweed (field)	Oldenlandia
Blackberries	Orchardgrass
Bluegrass (Kentucky)	Oxalis
Broadleaf plantain	Pampasgrass
Broom (French, Scotch)	Pennywort
Bromegrass (smooth)	Persimmon
Buckwheat	Poison hemlock
Cattail	Poison ivy
Ceanothus	Poison oak
Chamise	Poplar
Cherry species	Primrose
Clover (red, white)	Quackgrass
Cocklebur	Quacking Aspen
Cogongrass	Ragweed
Common mullein	Raspberry
Common ragweed	Red clover
Coyote brush	Rose (multiflora)
Creeping bentgrass	Ryegrass (perennial)
Creeping Charlie	Sage
Curly dock	Sagebrush
Dallisgrass	Salmonberry
Dandelion	Sassafras
Dewberry	Smooth bentgrass
Elderberry	St. Augustine grass
Elm	Sumac
Eucalyptus	Sweetgum
False dandelion	Thistle (artichoke, Canada)
Fescue species	Thimbleberry
Field bindweed (wild morningglory)	Timothy
Guineagrass	Torpedograss
Hawthorne	Tree tobacco
Hazel	Trumpet creeper
Honeysuckle	Vaseygrass
Horsenettle	Virginia creeper
Horseradish	White clover
Iceplant	White top
Johnsongrass	Wild barley
Kikuyugrass	Wild oats
Knapweed	Wild sweet potato
Kudzu	Willow
Lantana	Yellow starthistle
Locust	Zoyzia

### DIRECTIONS FOR USE

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

KEEP PEOPLE AND PETS OFF TREATED AREAS UNTIL SPRAY HAS DRIED.

NOTICE: ALL VEGETATION CONTACTED BY THIS PRODUCT CAN BE INJURED OR DESTROYED. Make sure this product does not contact desirable lawn, grasses, flowers, vegetables, shrubs or trees and other desirable plants. Do not contact green bark of trees or shrubs. If necessary, use cardboard or plastic to shield plants. If desirable plant is contacted, immediately rinse with water.

### WHEN TO USE

- Anytime weeds are actively growing. (Initial symptoms on most treated weeds usually show within 1 week (in 2 to 4 days) and complete kill in 1 to 2 weeks. Larger more weeds may take up to 4 weeks for complete kill.)
- For best results, apply on a warm, sunny day when daytime temperature is more than 60°F and no rain forecast for 24 hours. Reapply if rain occurs within 6 hours (2 hours) after application. (Rainfall or watering 6 (2) hours after application will not wash away effectiveness.) Hard-to-control weeds (such as Bermudagrass) may require a repeat application, if they regrow.
- When air is calm.

### WHERE TO USE

	Use Instructions
<b>Weed Control:</b> Along fences, paths, sidewalks, driveways, patios, around ornamental plantings, flower beds, shrubs, trees, around buildings/structures, and in brick and gravel walkways.	Use to trim and edge landscape areas. DO NOT use for spot weed control in lawns since this product kills all green plants including lawn grass.
<b>Spot Spraying/Trim and Edge:</b> In and around ornamental trees, flower beds, fruit and nut trees, grapevines, shrubs, fences, driveways and walkways.	DO NOT use for spot weed control in lawns since this product kills all green plants including lawn grass. Allow 21 days before eating the fruits or nuts.
<b>Landscaping:</b> For preparing areas for planting ornamentals, shrubs, trees, desert landscapes, rock gardens, flower beds or similar plantings	Treated areas can be planted/replanted 1 day after application of this product.
<b>Lawn Renovation:</b> Replacement of worn out lawns	<ul style="list-style-type: none"> <li>Under dry conditions, water lawn every other day for a week before using this product.</li> <li>For best results, apply in the Spring or Fall when daytime temperatures are at least 60°F.</li> <li>Do not mow for 7 days before and after application.</li> <li>After 7 days, prepare the soil for planting by raking or rototilling the lawn. Rake up and remove loosened thatch or debris. Mix in starter fertilizer and other amendments, if needed. Apply seed according to directions in the seed package or install sod. Grass seed must have good contact with soil to germinate.</li> </ul>
<b>For Lawn Replacement</b>	<p>Use this product to kill lawn and weeds before planting new lawn.</p> <ul style="list-style-type: none"> <li>Skip one mowing before spraying.</li> <li>If soil is dry, water before application and 2 to 3 days after application.</li> <li>Reapply if green patches remain after 7 days.</li> <li>Wait 7 days after last application to rake, till or replant with seed or sod.</li> </ul> <p>[Alternate text]</p> <ul style="list-style-type: none"> <li>Wait 7 days for lawn and weeds to die. Repeat if necessary.</li> <li>Rake or till to prepare area for planting seed or sod.</li> </ul>
<b>Garden/Ornamental Bed Preparation for Planting:</b> Berries and small fruits, Flowers, Shrubs and Trees, Vegetables	See "WHEN TO RESEED OR REPLANT SPRAYED AREAS" section of the label for listing of ornamentals, vegetables, berries and small fruits that may be planted after spraying this product.
<b>Brush Control</b>	Use when brush is green and growing. If plants are more than 5 feet tall, cut back and spray regrowth. Brush sprayed in the Fall may not be fully controlled after the following season. A second application may be required for hard-to-control species.

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	Use Instructions
<b>Stump Treatment:</b> This treatment will control or suppress many types of woody brush and trees such as Alder, Bluegum, Eucalyptus, Giant reed, Madrone, oak, Saltcedar, Sweet gum, and Tan oak.	Stumps can be treated to prevent re-growth. For best results, treat when vegetation is actively growing and within 5 minutes of being cut down. Cut the stump close to the soil surface. Drive 4 to 5 nail holes into the stump. Flood the stump with undiluted product.
	<ul style="list-style-type: none"> <li>• Cut vine to 3 to 4 feet high if vine is growing up a pole, fence or mature tree trunk and spray to thoroughly cover remaining vine.</li> <li>• Cut vine at the base, if vine is climbing a shrub and green bark and spray its re-growth. Shield shrub and green bark from spray with cardboard or plastic.</li> <li>• <b>For Kudzu:</b> Apply this product in mid to late summer when vines are mature and actively growing for best results. A second application may be required.</li> <li>• <b>For Wild Blackberry:</b> Spray actively growing plants anytime. Dead canes should be cut down and removed. Reapplication is often needed to kill deep roots.</li> <li>• <b>For Poison Ivy and Poison Oak:</b> Contact with these plants anytime of the year can cause allergic reactions. Spray actively growing plants anytime, but at least 4 weeks prior to first killing frost in the Fall. Reapply if new growth appears. Wear rubber gloves to handle dead plants. Dispose of plants and rubber gloves in tightly sealed garbage bags.</li> </ul>

## HOW TO USE

Spray to evenly wet the weed. To apply, use:

- Plastic, aluminum, fiberglass, plastic-lined steel, or stainless steel tank sprayer
- Hand-trigger sprayer
- Ortho® Dial N' Spray®
- Ortho Spray-ette®
- Other hose-end sprayer recommended for weed killers

Important: Do not use or store solutions of this product in galvanized steel or unlined steel sprayers, or apply through any type of irrigation system or with sprinkler can.

Rinse sprayer and flush all sprayer components with water 3 times after use. Spray rinse water on bare soil or gravel. Sprayer may be used to apply other products after very thorough cleaning.

To determine the amount of this product to be used, use the following table:

APPLICATOR	MIXING INSTRUCTIONS	AREA TO TREAT
Tank Sprayer	Use 6 fl. ozs. (12 tbsp.) in 1 gallon of water.	Covers 300 sq. ft. (30 ft. x 10 ft.)
Hand-trigger sprayers	Use 2 tbsp. in 24 ozs. of water.	Use for spot treatments or single weeds.
Ortho Dial N Spray	Add 6 fl. ozs. (12 tbsp.) to sprayer jar. DO NOT add water. Set dial to 6 fl. ozs. and spray.	Covers 300 sq. ft. (30 ft. x 10 ft.)
Ortho Spray-ette	Add 24 fl. ozs. to sprayer jar. Fill to the 4 gallon mark and spray.	Covers 1200 sq. ft. (30 ft. x 40 ft.)
<b>Note:</b> For easy to kill weeds such as seedlings, use 3 fl. ozs. (6 tbsp.) to 1 gallon of water. 1 fl. ozs. = 2 tablespoons (tbsp.)		

Close cap tightly after use.

## [Alternate Mixing Instructions for Measuring Cap Container]

Measuring Cap: To open, squeeze cap sides at the points indicated while unscrewing. The measuring cap has four levels indicated inside. The following table and the measuring cap should be used to determine the amount of this product needed. Close cap tightly after use. No need to rinse.

Level 1 = 1 teaspoon (tsp.)

Level 2 = 1 tablespoon (tbsp.) = 3 tsp.

Level 3 = 1 fl. oz. (2 tbsp.)

Level 4 = 2 fl. ozs. (4 tbsp.)

APPLICATOR	MIXING INSTRUCTIONS	AREA TO TREAT
Tank Sprayer	Fill cap to Level 4 three times (12 tbsp.). Add to 1 gallon of water.	For lawn renovation, covers 300 sq. ft. (30 ft. x 10 ft.)
Hand-trigger sprayers	Fill cap to Level 3 and add to 24 ozs. of water.	Use for spot treatments or single weeds.
Ortho Dial N' Spray	Fill cap to level 4 three times (12 tbsp.) and add to sprayer jar. DO NOT add water. Set dial to 6 fl. ozs. and spray.	For lawn renovation, covers 300 sq. ft. (30 ft. x 10 ft.)
Ortho Spray-ette	Fill cap to Level 4 twelve times (24 fl. ozs.) and add to sprayer jar. Fill to the 4 gallon mark and spray.	For lawn renovation, covers 1200 sq. ft. (30 ft. x 40 ft.)
Note: For easy to kill weeds such as seedlings, use 3 fl. ozs. (6 tbsp.) to 1 gallon of water.		

## WHEN TO RESEED OR REPLANT SPRAYED AREAS

- All ornamental flowers, trees and shrubs may be planted **1 day** after application.
- The following berries may be planted **1 day** after application: Blackberry, Blueberry, Boysenberry, Cranberry, Currant, Dewberry, Elderberry, Gooseberry, Huckleberry, Loganberry, Ollalieberry and Raspberry (black & red).
- The following fruits, herbs and vegetables may be planted **1 day** after application: Artichoke (Jerusalem), Beans (all), Beet greens, Broccoli, Brussels sprouts, Cabbage (all), Carrots, Cauliflower, Celery, Chard (Swiss), Chicory, Collards, Endive, Horseradish, Kale, Kohlrabi, Leeks, Lentils, Lettuce, Mustard greens, Okra, Onions, Parsley, Parsnips, Potatoes, Rape greens, Turnip, Yams.
- The following fruits, herbs and vegetables may be planted **3 days** after application: Corn, Cucumber, Eggplant, Garlic, Gourds, Melons (all), Peas (all), Peppers (all), Pumpkins, Squash (summer & winter), Tomatillo, Tomato (by seed), Watercress.
- Lawn grasses may be planted **7 days** after application.
- Tomatoes from transplants and unlisted fruits, herbs and vegetables may be planted **30 days** after application.

**APPLICATIONS IN UNCULTIVATED AREAS (Forestry, Utility Rights-of-way, Roadsides, Airports, Railroads, Ditchbanks, Lumberyards, Manufacturing sites, Municipal sites, Residential areas, Substations, Petroleum tank farms and pumping installations, Warehouse areas, Schools, Sports complexes, Office complexes, Recreational areas, Parks, Parking areas, Storage areas, Commercial sites, Wildlife management areas, CRP areas, Industrial Sites)**

## TREE INJECTION APPLICATIONS:

Apply the equivalent of 2 mL of this product for each 2 inches of trunk diameter. This is best achieved by applying this product either to a continuous frill around the tree or to cuts spaced evenly around the tree below all branches. As tree diameter increases in size, better results are achieved by applying to a continuous frill or more closely spaced cuttings.

Avoid application techniques that allow runoff to occur from frill or cut areas in species that freely exude sap after frilling or cutting. In species like this, make frill or cut at an oblique angle so as to produce a cupping effect. Use undiluted product. For best results, applications should be made during periods of active growth and after full leaf expansion.

### CUT STUMP APPLICATIONS:

Woody vegetation may be controlled by treating freshly cut stumps of trees and resprouts with this product using suitable equipment to ensure thorough coverage of the entire cambium. Apply this product undiluted immediately after cutting trees. Delay in applying this product may result in reduced performance. For best results, trees should be cut during periods of active growth and full leaf expansion. Cut vegetation close to the soil surface. Avoid wash off of product from treated stumps by rainfall or other means within 6 hours of application.

### WOODY BRUSH AND TREES CONTROLLED:

When applied as directed under the conditions described, this product will control or partially control most woody brush and tree species, some of which are listed below:

Alder ( <i>Alnus</i> spp.)	Poplar ( <i>Populus</i> spp.)
Coyote brush ( <i>Baccharis consanguinea</i> )	Saltcedar ( <i>Tamarix</i> spp.)
Dogwood ( <i>Cornus</i> spp.)	Sweetgum ( <i>Liquidambar styraciflua</i> )
Eucalyptus ( <i>Eucalyptus</i> spp.)	Sycamore ( <i>Platanus occidentalis</i> )
Madrone ( <i>Arbutus menziesii</i> )	Tan oak ( <i>Lithocarpus densiflorus</i> )
Maple ( <i>Acer</i> spp.)	Willow ( <i>Salix</i> spp.)
Oak ( <i>Quercus</i> spp.)	

### APPLICATION IN WETLAND SITES

This product may be applied as directed around water and in wetland areas including land adjacent to and surrounding domestic water supply reservoirs, supply streams, lakes and ponds.

Consult local public water control authorities before applying this product around public water. Permits may be required to treat in such areas.

DO NOT apply this product directly to water.

## STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

**PESTICIDE STORAGE:** Keep container closed to prevent spills and contamination. Store in original container in cool, dry place.

#### CONTAINER DISPOSAL:

**Nonrefillable Containers (rigid material; less than 5 gallons):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Nonrefillable Containers (rigid material; 5 gallons or greater):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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## STORAGE AND DISPOSAL (Cont'd.)

**Refillable Containers:** Refillable container. Refill this container with this pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

#### For Residential and Home & Garden Use:

**PESTICIDE DISPOSAL:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. If empty, place in trash or offer for recycling if available. If partially filled, call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

### WARRANTY—CONDITIONS OF SALE

Our directions for use of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically directed, and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with the directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with the directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

IMITATOR is a registered trademark of Drexel Chemical Company. All other brand names, product names, or trademarks belong to their respective holders.