

# TRIMEC® 937 HERBICIDE

### ACTIVE INGREDIENTS:

*Isooctyl (2-ethylhexyl) ester of 2,4-dichlorophenoxyacetic acid.....	32.45%
**Isooctyl ester of 2-(2,4-dichlorophenoxy) propionic acid.....	31.80%
***Dicamba: 3,6-dichloro-o-anisic acid.....	5.38%
INERT INGREDIENTS:****.....	30.37%
TOTAL	100.00%

### THIS PRODUCT CONTAINS:

- \*2.0 lbs. 2,4-Dichlorophenoxyacetic acid equivalent per gallon or 21.54%
- \*\*2.0 lbs. 2-(2,4-Dichlorophenoxy) propionic acid equivalent per gallon or 21.54%
- \*\*\*0.5 lb. 3,6-dichloro-o-anisic acid equivalent per gallon or 5.38%
- \*\*\*\*Contains Petroleum Distillates
- Isomer Specific by AOAC Method
- TRIMEC® is a registered trademark of PBI/GORDON CORPORATION

**KEEP OUT OF REACH OF CHILDREN**

## WARNING

See next panel for Statement of Practical Treatment and additional Precautionary Statements.

**NET CONTENTS      U.S. GALLONS**

785,786/ APXXXXXX  
 EPA REG. NO. 2217-758  
 EPA EST. NO. 2217-KS-1  
 MANUFACTURED BY:



**ACCEPTED**  
 APR 28 1998  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 2217-758

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**READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans & Domestic Animals**

**WARNING:** Causes substantial but temporary eye injury. Wear goggles, face shield, or safety glasses when handling. Do not get in eyes, on skin or on clothing. If eye exposure occurs, flush with water and get immediate medical attention. Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing vapor.

**FOR INDUSTRIAL SITES ONLY -**

**Clothing Requirement Statements:** When mixing, loading, or applying this product, or repairing or cleaning equipment used with this product, wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection. For aerial applicators in an enclosed cockpit and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required.

**Personal Hygiene Statements:** Wash hands, face and arms with soap and water as soon as possible after mixing, loading, or applying this product. Wash hands, face and arms with soap and water before eating, smoking, or drinking. Wash hands and arms before using toilet. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application of this product without cleaning first. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower.

**FOR TURF SITES ONLY -**

**Clothing Requirement Statements:** When using this product, wear long-sleeved shirt, long pants, socks, shoes, chemical resistant gloves and eye protection. It is recommended that safety glasses include front, brow and temple protection.

**Personal Hygiene Statements:** After using this product, rinse gloves before removing. remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

**Statement of Practical Treatment**

**IF IN EYES:** Flush with water for 15 minutes and get immediate medical attention.

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

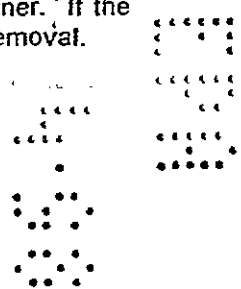
**IF SWALLOWED:** Call a physician or Poison Control Center immediately. Contains petroleum solvent. Do not induce vomiting because of danger of aspirating liquid into lungs, causing serious damage and chemical pneumonitis. If spontaneous vomiting occurs, keep head below hips to prevent aspiration, and monitor for breathing difficulty.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**Engineering Control Statements:**

**Containers over 1 gallon and less than 5 gallons:** Persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron.

**Containers of 5 gallons or more:** Do not open-pour product from this container. A mechanical system (such as probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.



**ENVIRONMENTAL HAZARDS:**

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. For terrestrial uses, 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 washwater. When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources. Do not apply when weather conditions favor drift from target area.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D and 2,4-DP have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D and 2,4-DP pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

If spills occur, collect the material and dispose of by following disposal instructions on this label.

**PHYSICAL OR CHEMICAL HAZARD:** Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

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

**STORAGE & DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** Keep from freezing. Store in original container in a locked storage area inaccessible to children and pets.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned stay out of smoke.

**~~ROADSIDES, RIGHTS-OF-WAY, RAILROADS, FIREBREAKS,  
FENCEROWS, INDUSTRIAL SITES AND OTHER SIMILAR NONCROP AREAS~~**

Trimec® 937 Herbicide is recommended to control perennial broadleaf weeds and undesirable woody plants established in noncropland. It is effective for buckbrush, poison ivy, multiflora rose, and sumac established in the uncultivated areas presented below.

**UNCULTIVATED AGRICULTURAL AREAS AND UNCULTIVATED NONAGRICULTURAL AREAS:**

**A. Recommended Noncropland Sites:**

- **Barrier strips:**
- **Farmyards:**
- **Fencerows or fence lines:**
- **Firebreaks:**
- **Highway rights-of-way (principal, interstate, county, private, and unpaved roads):** Roadsides, roadside ditches, road shoulders, road embankments, dividers, and medians.
- **Industrial sites:** Lumberyards, tank farms, fuel or equipment storage areas.
- **Municipal, state, and federal lands:** Airports and military installations.
- **Railroad rights-of-way:**
- **Recreation areas:** Fairgrounds, golf courses, parks, and areas adjacent to athletic fields.
- **Uncultivated, nonagricultural areas:** Waterways or drainageways that channel surface runoff, non-irrigation ditchbanks, boundaries/margins or transitional areas between lowlands and uplands.
- **Utility rights-of-way:** Telephone, pipeline, electrical powerlines, and communication transmission lines.

**B. Prohibitions for Noncropland Sites:**

- Do not apply to any body of water such as lakes, streams, rivers, ponds, reservoirs, or estuaries (salt water bays). Do not apply to any shorelines (noncropland sites adjacent to the edges of a body of water) for lakes, streams, rivers, ponds, reservoirs, or estuaries (salt water bays).
- Do not apply to wetlands (swamps, bogs, potholes, or marshes).
- Do not apply to agricultural irrigation water or on agricultural irrigation ditchbanks and canals.
- Do not apply to agricultural drainage water or on agricultural ditchbanks.

**INSTRUCTIONS:**

To effectively control brush, all leaves, stems and suckers should be thoroughly wetted to the ground. Apply when plants come into full leaf (spring) until plants begin to go dormant. Best results are obtained when brush and broadleaf weeds are young and actively growing. Do not cut brush until the herbicide has translocated throughout the plant causing root death.

**USE PRECAUTIONS:**

Do not apply this product through any type of irrigation system. Avoid spray drift to cotton, soybeans, tomatoes, tobacco, grapes, fruit trees, flowers, or garden crops and all other hormone herbicide sensitive desirable plants. Do not apply herbicide when wind speed is sufficient to cause drift. Do not apply herbicide when air temperature inversion exists. An air inversion may be detected by creating a smoke column and observing a layering effect. Do not apply when temperatures exceed 85°F and humidity is high. To aid in avoiding spray drift, use coarse sprays and low pressure. Do not use nozzles which produce fine spray droplets under high pressure. The use of thickening agents or anti-drift additives and drift reducing equipment may be of value in preventing spray drift. Care should be taken not to make applications where runoff could carry the chemical to food crops or grazing lands where cattle, sheep, goats, swine or poultry would be exposed.

**SPRAY PREPARATION AND TANK MIXTURES:**

**Water Spray** - Add one-half the required amount of water to the spray tank, then add Trimec® 937 Herbicide slowly with agitation, and complete filling the tank with water. To prevent separation of the emulsion, mix thoroughly and continue agitation while spraying.

**Full Oil Spray** - Use diesel oil, No. 1 or No. 2 fuel oil, kerosene, mineral oil, or basal oils. Add one-half the required amount of oil to the spray tank, then add Trimec® 937 Herbicide with agitation and complete filling the tank with oil. Mix thoroughly and provide adequate agitation during mixing and spraying.

**Tank Mixing with Garlon® 4 Herbicide - Trimec® 937 Herbicide can be mixed with Garlon® 4 Herbicide for use in, roadsides, rights-of-way, railroads, fencerows, industrial sites and other similar noncrop areas. Garlon® 4 Herbicide is a butoxyethylester formulation containing 4.0 pounds per gallon of the active ingredient triclopyr. A mixture of Trimec® 937 Herbicide and Garlon® 4 Herbicide should be used in accordance with the more 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. Aerial applications of this tank mixture can be made with helicopter only.**

Three steps for tank mixing with Garlon® 4 Herbicide are suggested. First, add one-third of the required amount of diesel oil or water to the spray tank. Next, add the Trimec® 937 Herbicide slowly with agitation, then add another one-third of the carrier to the tank. Finally, add slowly the Garlon® 4 Herbicide and the balance of the carrier. Do not mix the chemicals simultaneously and continue the agitation during each step.

**High Volume -** Mix 0.5 to 1.0 gallon of Trimec® 937 Herbicide per 100 gallons of water and apply 100 to 300 gallons of spray per acre. The dosage rate and the spray volume depend upon the height and density of the brush and/or weeds. For small broadleaf weeds use the low dosage rate and the low spray volume. Heavy dense stands of brush require the high dosage rate and the high spray volume.

For small applications with small tank sprayers use 1.0 to 1.5 fluid ounces of product per gallon of water.

**Aerial Foliage Method -** Mix 0.5 to 2.0 gallons of Trimec® 937 Herbicide in enough water to make 15 to 25 gallons total spray mixture per acre. Use enough water to ensure uniform wetting of plants.

**Basal Bark Method -** Apply with low volume backpack sprayer or power equipment. Volume sprayed per acre will depend on method used and number of stems per acre. Use a coarse spray to avoid drift.

**High Volume (Basal Bark) -** For high volume applications, apply a coarse spray as a drench treatment to the base of stems and trunks up to a height of 18 to 24 inches. Total coverage of the stems and root collars is essential. Spray until runoff and pooling at the ground line is noticed.

Mix 3.0 to 5.0 gallons of Trimec® 937 Herbicide with 95 to 97 gallons of oil (diesel oil, No. 1 or No. 2 fuel oil, kerosene, or mineral oil). Spray volumes will depend up on the sizes, types, and densities of the species present.

**Low Volume (Basal Bark) -** For low volume applications, apply a uniform spray pattern to all sides of the stems and trunks up to a height of 18 to 24 inches. Treat the entire circumference of the tree.

Mix a full oil spray containing 33% Trimec® 937 Herbicide, 10 to 20% surfactant, and 47 to 57% diesel oil. Suggested surfactants include Cide-Kick, Cide-Kick II, or other surfactants/penetrants appropriate for oil soluble herbicides. Substitutes for diesel oil as a diluent include the following basal oils: Androc Oil, Hy-Grade I, Arborchem Basal Oil, JLB Oil Plus, and other blends formulated for basal bark applications.

**Cut Surface - Stump -** This method can be used at anytime of the year, but is more effective when applied as soon as possible after trees are cut. Spray the entire stump, particularly bark and exposed roots. Complete control requires a thorough drenching. Use this method after original or capital clearing. It is the primary step toward a chemical brush control program on newly cleared highways and rights-of-way. Spray is most effective and economical on tree stumps with diameters larger than 3 to 4 inches.

Mix 0.5 to 1.0 gallon of Trimec® 937 Herbicide with 25 gallons of diesel oil, basal oils, penetrant oils, or mineral oil. Apply to freshly cut tree stumps with a low volume knapsack sprayer using a cone nozzle. Spray thoroughly the cut surfaces, bark, and exposed roots. Treat the entire circumference of the tree. Drench until runoff to the soil surface is noticed.

For painting freshly cut stumps, mix 2 quarts of Trimec® 937 Herbicide with 1.0 gallon of basal oil and thoroughly paint all surfaces of the stump.

**Frill Treatment -** This treatment is recommended for culling trees with trunk diameters greater than 5 to 6 inches. Make a frill by using an axe to cut overlapping notches in a continuous ring around the trunk near its base. Cut through the bark, but do not remove chips.

Mix 3.0 to 4.0 gallons of Trimec® 937 Herbicide in 100 gallons of diesel oil or mineral oil and treat freshly cut frills at anytime of the year. Spray or pour the spray mixture into the frills without runoff.

BRUSH CONTROLLED:		
Ash	Cherry	Multiflora Rose
Aspen	Cottonwood	Oak
Birch	Dogwood	Pine
Blackberry	Elm	Shortleaf Pine
Black Cherry	Gooseberry	Spruce
Black Locust	Honey Locust	Sumac
Bramble	Honeysuckle	Sycamore
Buckbrush	Kudzu	Wild Plum
Cedar	Maple	Willow
WEEDS CONTROLLED:		
Bedstraw	Knotweed	Ragweed
Bindweed	Kochia	Sheep Sorrel
Black Medic	Lambsquarters	Shepherdspurse
Buckhorn	Lespedeza	Smartweed
Burdock	Mallow	Speedwell
Chicory	Morningglory	Spurge
Chickweed	Mustard	Sunflower
Clover	Nettle	Thistle
Cocklebur	Oxalis	Trumpet Vine
Dandelion	Peppergrass	Velvetleaf
Dock	Pigweed	Wild Carrot
Ground Ivy	Plantain	Wild Garlic
Healall	Poison Ivy	Wild Lettuce
Henbit	Poison Oak	Wild Onion
Jimsonweed	Purslane	Yarrow

**ORNAMENTAL LAWNS & TURF (COOL SEASON GRASSES OTHER THAN BENTGRASS):**

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

**Re-entry Statement** - Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment area until spray has dried or dust has settled.

**USE PRECAUTIONS:**

Avoid drift of spray mist to vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants. Do not pour spray solutions near desirable plants. Do not use on carpetgrass, dichondra, St. Augustinegrass, bentgrass, nor on lawns or turf where desirable clovers are present. Use only lawn type sprayers. Avoid fine sprays; coarse sprays are less likely to drift. Do not spray roots of ornamentals and trees. Do not exceed specified dosages for any area; be particularly careful within the dripline of trees and other ornamental species. Do not apply to newly seeded grasses until well established. Do not spray when air temperatures exceed 85°F. Seed can be sown 3 to 4 weeks after application. Care should be taken not to make applications where runoff could carry the chemical to food crops or grazing lands where cattle, sheep, goats, swine or poultry would be exposed.

**INSTRUCTIONS:**

Maximum control of weeds will be obtained from spring or early fall applications when weeds are actively growing. Avoid spraying during long, excessively dry or hot periods unless adequate irrigation is available. Do not irrigate within 24 hours after application.

**General Application** - Apply 2.0 to 3.0 pints of product in 20 to 260 gallons of water per acre (0.75 to 1.1 fluid ounces of product in 0.5 to 6.0 gallons of water per 1,000 square feet). Use higher rates when using the higher volume of water per acre.

The maximum application rate to turf is 0.8 pounds 2,4-D acid equivalent per acre per application per site. The maximum number of broadcast applications per treatment site is 2 per year.

**Controlled Droplet Applicator** - Add 1.5 pints to the Herbi container and fill with water. Spray contents over 33,000 square feet. Avoid overlapping between spray patterns.

**Small Area Applications** - Not recommended for hose end sprayers. Spray at anytime during the growing season when weeds are actively growing. On new lawns wait until the grass has hardened off, usually after it has been mowed at least three times. Poor weed control may result if spray is applied during drought or just before rain. Do not water within 24 hours after treatment.

**Spray Preparations For Hand Operated Sprayers**

Amount of Product to Use:		Area To Treat	
Tablespoons	Fluid Ounces	Gallons of Water	Square Feet
1½	¾	1	1,000
3	1½	2	2,000
4½	2¼	3	3,000

Garlon® Herbicide is a registered trademark of Dow AgroSciences, L.L.C.  
Cide-Kick and Cide-Kick II, JLB Oil Plus are products of JLB International Chemical, Inc.  
Arborchem Basal Oil is a product of Arborchem Products Co.  
Hy-Grade I is a product of CWC Chemical, Inc.  
Androc Oil is a product of Androc Products, Inc.

**LIMITED WARRANTY AND DISCLAIMER**

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

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**APPENDIX**

***I. Advertising claims that may be presented on the retail container label or on the labeling accompanying the product.***

- ◆ A Brush Killer & Broadleaf Weed Herbicide
- ◆ For Broadleaf Weed Control In Turf
- ◆ One Gallon Covers Up To 4 Acres. - 8 Ounces Covers Up to 11,000 Square Feet
- ◆ Controls: ash, aspen, bramble, kudzu, oak, willows, dandelion, chickweed, knotweed, plantain, henbit, spurge and many other species of brush and broadleaf weeds including those listed on this label.