

UNIROYAL

UNIROYAL DINOSEB-5

Dinitro Herbicide

An oil-soluble, emulsifiable Dinitro concentrate for controlling most annual weeds and grasses, also used as a harvesting aid for potatoes and seed crops of forage legumes and soybeans.

Active ingredient: 2,4-dichlorophenoxybutyric acid 54.4%
Inert ingredients 45.6%
Contains 5 pounds of 2,4-dichlorophenoxybutyric acid per gallon.

DANGER

KEEP OUT OF REACH OF CHILDREN.

Do not get in eyes, on skin or clothing. Avoid breathing spray mist. Do not take internally. Do not wear contaminated clothing or shoes. Keep away from farm animals and pets. SEE OTHER WARNINGS AND FIRST AID TREATMENTS INSIDE.

Do not use in or near open flame or heat or open flame.

MAY BE FATAL IF SWALLOWED OR ABSORBED THROUGH SKIN.

Net Contents 5 Gallons

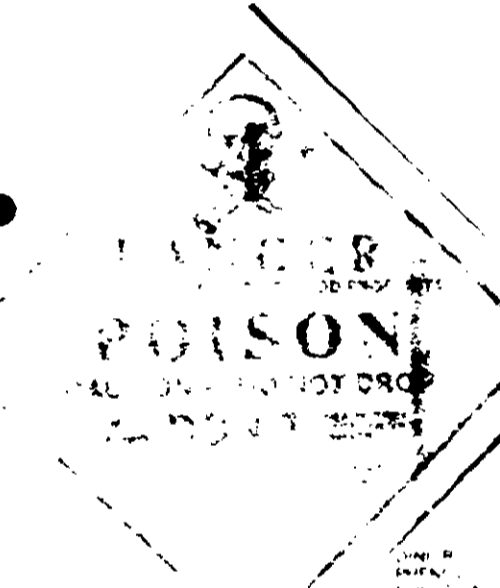
Manufacturer for:
UNIROYAL HERBICIDE
Division of UNIROYAL, INC.
Naperville, IL, U.S.A.

100-10

GROUND COVER DIRECTED SPRAY

Apply UN ROYAL DIPOSEB to weeds, shrubs, and vines... including almonds, figs, peaches, cherries, blueberries, and grapes... in orchards, vineyards, and nurseries... Use 5 gallons of UN ROYAL DIPOSEB per acre... Mix 50 gallons of water to make 100 gallons of spray... Apply as a directed spray... Do not apply to young trees... Do not apply to grass or treated ground cover...

HOPS: For control of the adult aphid plagues of hop plants... Obtain by mixing 200 gallons of water to 5 gallons of UN ROYAL DIPOSEB... Apply when mowing and until spraying is finished... Repeat as necessary... Do not apply to young plants in mature replantings...



IMPORTANT: This product contains a highly toxic ingredient... Do not breathe dust or spray... Do not get in eyes, on skin, or on clothing...

- POISON -

SYMPTOMS OF POISONING: Irritation of eyes, burning, throat pain, fever... Seek medical attention immediately... Call your physician or poison control center.

FIRST AID: Have patient lie down in coolest spot available... If SWALLOWED, SEND FOR A PHYSICIAN... If SPLASHED IN EYES, immediately flush eyes with plenty of water... If SPILLED ON SKIN, immediately remove contaminated clothing... Do not use treated area for 14 days after harvest.

NOTE TO ATTENDING PHYSICIAN: Active ingredient is a metabolic inhibitor. Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS

This product is toxic to fish and wildlife... Do not apply to water bodies... Do not apply to areas that will be grazed by livestock... Note: Use proper disposal methods for equipment and containers...

WARRANTY AND DISCLAIMER

The user warrants that the product conforms to its chemical description and is free from adulteration... The user assumes all responsibility for any damage to property or loss of crops... The user agrees to hold the manufacturer harmless...

EPA REG. NO. 334-247
EPA EST. NO. 65300-AL-01

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UNIROYAL DINOSEB-5

An oil soluble, emulsifiable Dinitro concentrate for controlling most annual weeds and grasses; also used as a harvesting aid for potatoes and seed crops of forage, legumes and soybeans.

UNIROYAL

COMPOSITION

Active ingredient:	(percent by weight)
dinoseb (2-sec-butyl-4,6-dinitrophenol)	54.4%
Inert ingredients:	45.6%
TOTAL	100.0%

Contains 5 pounds of 2-sec-butyl-4,6-dinitrophenol per gallon

PRECAUTIONARY STATEMENTS - HAZARDS TO HUMANS **DANGER**

May be fatal if swallowed or absorbed through the skin. Do not get in eyes, on skin or clothing. Avoid breathing spray mist. Do not take internally. Do not wear contaminated clothing or shoes. Keep away from farm animals and pets.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not apply directly to any body of water. Birds and other wildlife in treated areas may be killed. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

STORAGE AND DISPOSAL

PESTICIDE DISPOSAL: Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

PHYSICAL OR CHEMICAL HAZARDS

Keep away from heat and open flame.

DIRECTIONS FOR USE

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

KEEP OUT OF REACH OF CHILDREN. **DANGER**

Not for Use or Storage In or Around the Home

NOT BE FATAL IF SWALLOWED OR ABSORBED THROUGH SKIN.
Do Not Get in Eyes, on Skin, on Clothing - Avoid breathing Spray Drift or Vapors.
Do Not Take Internally - Do Not Wear Contaminated Clothing or Shoes
Keep Away from Heat and Open Flame



POISON



STATEMENT OF PRACTICAL TREATMENT

SYMPTOMS OF POISONING: Excessive Fatigue, Sweating, Thirst and Fever. If symptoms of poisoning develop from any type of exposure, SEND FOR A PHYSICIAN

FIRST AID: Have patient lie quiet in coolest spot available. If feverish, cool with cold compresses or by immersion in cool water.

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. Do not induce vomiting or give anything by mouth to an unconscious person.

If Applied in Eyes: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention. If

Spilled on Skin: immediately remove contaminated clothing, including shoes, and wash skin with soap and plenty of water. If symptoms of poisoning develop, send for a physician and treat as in FIRST AID above. Discard contaminated clothing and shoes or clean them thoroughly before re-use. **NOTE TO ATTENDING PHYSICIAN:** Active ingredient is a metabolic stimulant. Treat symptomatically.

See side panel for additional precautionary statements.

EPA REG. NO. 400-140

EPA EST. NO. 41358-A1-01

Net Contents:

10-12-82

UNIROYAL CHEMICAL - Division of UNIROYAL, Inc.
Naugatuck, Connecticut 06770

GENERAL INFORMATION

UNIROYAL DINOSEB-5 when used with the proper amount of oil and water, will control many of the common herbaceous weeds and grasses. Use enough spray to wet all weed growth THOROUGHLY, as it acts by contact only. The lower dosages of oil and weed killer given below will be satisfactory for control of small seedling annual grasses such as crabgrass, foxtail and barnyard (water) grass and of small seedling annual weeds such as pigweed, mustard, lambsquarters and sorrel. Coarse grasses such as chickweed, mayweed, mallow, pineapple weed, sweet fennel and wild carrot will require higher dosages, particularly when mature and hard to kill. Grass control requires use of the higher amounts of oil, which creeps down the stems to kill the crowns and prevent re-sprouting. **NOTE:** Contact weed killers kill annuals, but perennials must be re-treated as new growth develops. Re-treat perennials only in non-crop areas specified below except for use on grapes, bush fruits and hops as directed below. Control will be best in warm weather.

MIXING INSTRUCTIONS

FOR OIL-WATER SPRAYS, add approximately 1/2 of water needed for the batch to the sprayer tank. In a separate container, thoroughly pre-mix the proper amount of UNIROYAL DINOSEB-5 and oil. With vigorous agitation, add this pre-mix to the water. Add the remaining amount of water. Agitation must be maintained during mixing and application to keep the spray uniformly mixed. **FOR OIL SPRAYS,** drain all water from sprayer tank, lines and pump. Add a small amount of oil to the tank, circulate through the pump system, then completely drain the system and discard the liquid. This is to remove any water remaining in the sprayer. Add desired amount of oil to the tank. With agitation, add the proper amount of UNIROYAL DINOSEB-5. Moderate agitation will maintain a uniform spray mix. **NOTE:** Small amounts of water in UNIROYAL DINOSEB-5 - oil sprays may result in extremely thick gel-like emulsions which are difficult to apply. This problem can be avoided by carefully following the mixing instructions outlined.

DIRECTIONS FOR USE

GENERAL WEED CONTROL

USE ON NON-CROP AREAS SUCH AS: Air-fields, Walks, Fence Lines, Roadsides, Driveways, Dry Yards, Railroads, Waste Places, and around Industrial Establishments, Pote Yards and Oil Tank Areas. Use 2 to 6 pints of UNIROYAL DINOSEB-5 in 5 to 30 gallons of oil made up to 100 gallons with water. Spray weed growth thoroughly.

CONTACT PRE-PLANT OR PRE-EMERGENCE WEED CONTROL

UNIROYAL DINOSEB-5 may be used to kill tiny weeds that emerge before certain crops. When practical, forming the land several days before seeding will result in more weeds being up at the time of spraying. For use on land prior to planting the following large seeded crops or for use on the already planted crops: beans, soybeans, corn, cucurbits, potatoes, and gladiolus, spray at least one day before first emergence of the crop using 2-4 pints of UNIROYAL DINOSEB-5 per acre. Mix this amount with 2-5 gallons of herbicidal oil and 30 gallons of water and apply as a fine spray to insure wetting of the weeds. For season long weed control other herbicides will also be needed.

STALE SEEDBEDS (PREVIOUSLY TILLED FIELDS)

Preplant or preemergence control of emerged weeds in beans, soybeans, potatoes, corn, and gladiolus: UNIROYAL DINOSEB-5 may be used to control small annual broadleaf weeds and annual grasses that have emerged on stale seedbeds (previously tilled fields) prior to planting beans, soybeans, potatoes, gladiolus, or corn. For aerial application use 2 to 4 pints of UNIROYAL DINOSEB-5 in 3 to 5 gallons of diesel oil or herbicidal oil per acre. With ground equipment use 2 to 4 pints of UNIROYAL DINOSEB-5 plus 4 to 8 gallons of diesel oil or herbicidal oil in 20 to 30 gallons of water per acre. Apply after weeds have emerged. Plant the crops just before or soon after spraying. Only annual weeds that are up at time of spraying will be killed. For season-long weed control other herbicides will be needed. NOTE: Any crop plants that are up at time of spraying may be seriously injured or killed.

SOYBEANS PLANTED IN SMALL GRAIN STUBBLE

Preplant or preemergence control of emerged weeds in soybeans planted with minimum or no tillage in small grain stubble. In areas where planting of soybeans directly in small grain stubble with minimum or no tillage is practiced, UNIROYAL DINOSEB-5 can be used to burn down existing vegetation before or just after planting. For aerial application use 2 to 4 pints of UNIROYAL DINOSEB-5 in 2 to 5 gallons of diesel oil or herbicidal oil per acre. With ground equipment use 2 to 4 pints of UNIROYAL DINOSEB-5 plus 2 to 5 gallons of diesel oil or herbicidal oil in 20 to 30 gallons of water per acre. Only annual weeds that are up at time of spraying will be killed. For season-long weed control other herbicides will be needed also. NOTE: Any crop plants that are up at time of spraying may be seriously injured or killed.

GRAPES AND BUSH FRUITS

Apply spray containing UNIROYAL DINOSEB-5 when weeds are growing well but before they are 6 inches high.

ON GRAPES: Application can be made up to 3 to 4 weeks after bloom. For use in the spring before bloom or in the fall after harvest, use 2 to 4 pints of UNIROYAL DINOSEB-5 in 10 to 20 gallons of oil made up to 100 gallons with water. For treating during bloom and up to 3 to 4 weeks after bloom, use no more than 2 pints of UNIROYAL DINOSEB-5 per 100 gallons of spray. Use up to 150 gallons per acre to give good spray coverage. Apply only as a directed spray to the weeds and soil in such a way as to avoid contacting grape foliage, blossoms or fruiting clusters. It is often desirable to limit spray application to a 1-2 foot band directly under the grape trellis where weed control problem is severe and soil cannot be easily cultivated. For such band treatments, the gallonage per acre should be reduced proportionately. Repeat if needed, but make no more than 3-4 applications in a single season. NOTE: Use only on plantings 2 years or older. Do not apply within 30 days before harvest.

ON BUSH FRUITS: Such as blackberries, currants, gooseberries, and raspberries, use 2 to 4 pints of UNIROYAL DINOSEB-5 in 10 to 20 gallons of oil, made up to 100 gallons with water. Apply at the rate of 125 to 150 gallons of spray per acre in the fall after harvest or in the spring before bloom. Use directed spray and do not treat young canes desired for permanent plants. Make one or two repeat applications as needed. NOTE: Use only on plantings 2 years old or older. Do not apply within 30 days before harvest.

ALFALFA

Apply to established stands during the dormant season or after grazing in winter to control winter annual weeds or apply immediately after the first cutting but before regrowth starts to control dodder and summer annual weeds. For aerial application, use 3-6 pints UNIROYAL DINOSEB-5 in 5-20 gallons of diesel oil or herbicidal oil per acre. For ground equipment use 3-6 pints of UNIROYAL DINOSEB-5 in 10-50 gallons of diesel or herbicidal oil and make up to 100 gallons with water. Spray the mixture to thoroughly wet all weed foliage using approximately 100 gallons per acre. The higher dosage and large amounts of oil are needed where grassy weeds are the major problem. NOTE: Do not graze or feed forage from treated area within 6 weeks after application.

ALFALFA, TREFOIL, CLOVER, PEAS AND SOYBEANS GROWN FOR SEED: (PRE-PLANT SPRAYING TO FACILITATE HARVEST.) Apply 3 to 6 days before harvest. For airplane application use 2 to 3

pints of UNIROYAL DINOSEB-5 in 5-10 gallons of diesel or herbicidal oil per acre. For ground application, use 2 to 3 pints of UNIROYAL DINOSEB-5 per acre. This may be mixed with 8 to 15 gallons of oil for low volume sprays for a minimum of 20 gallons finished spray per acre, or with 5 to 15 gallons of oil plus 25 to 40 gallons of water for high volume sprays. The high rates and volumes are suggested for use during cool, cloudy weather and where there is heavy foliage growth. NOTE: Do not allow used or forage from treated areas to be used for feed or feed purposes. Do not graze new growth in treated areas within 6 weeks after application.

POTATO VINES: (TOP KILL FOR HARVEST AID.)

Spray 10-20 days before harvest. The concentration of the spray, and the amount to use per acre are determined by variety and vigor of the vines, degree of kill desired and weather conditions at the time of application. Use the higher rates during cool, cloudy weather or where foliage growth is especially heavy. For low volume air application, use 2 to 3 pints of UNIROYAL DINOSEB-5 in 5 to 10 gallons of diesel fuel oil per acre or 2 to 3 pints of Uniroyal DINOSEB-5 in 1 to 2 gallons of an emulsifiable crop oil cleared for use on growing crops plus enough water to make 10 gallons of finished solution per acre. For low volume ground application, apply 2 to 4 pints with oil in a minimum of 20 gallons finished spray per acre. For medium volume sprays, use 2 to 4 pints of UNIROYAL DINOSEB-5 per acre in 5 gallons of fuel oil and 25 to 40 gallons of water, depending on density of vine growth applying by either air or ground equipment. Adjustment of boom and nozzles to give coverage of all parts of vines is essential. With heavy vine growth a split application is usually more effective than a single application. Use $\frac{1}{2}$ the suggested rate and repeat the application 5-7 days later again using the $\frac{1}{2}$ dosage. NOTE: Browning of the vascular ring of potatoes sometimes occurs when vines are killed rapidly either by chemically, mechanically, or by weather. Do not spray exposed tubers nor graze treated areas. 1 quart per acre of agricultural surfactant cleared for application to growing crops plus water can be substituted for herbicidal oil.

GROUND COVER (DIRECTED SPRAY)

For citrus, date, olive, and nut groves including almonds, filberts, pecans, and walnuts; deciduous fruit orchards including apples, apricots, cherries, peaches, nectarines, figs, pears, plums, and prunes, ditch banks along drainage canals, mix 1-8 quarts UNIROYAL DINOSEB-5 in 2-20 gallons of diesel or any herbicidal oil and enough water to make 100 gallons of spray. Apply a coarse spray and thoroughly cover all weed foliage. Do not

apply more than 100 gallons of spray. Avoid getting any of the spray on the fruit. Destroy any soil that is accidentally sprayed. NOTE: Avoid spraying the base of young trees as girdling may occur. Do not allow livestock to graze on treated ground cover. Do not contaminate irrigation or domestic water. Make three to four applications per year as needed. Do not apply within 20 days before harvest.

HOPS: (For control of the leafy spike phase of downy mildew.) Control is obtained by killing diseased basal parts of bines to prevent further infection. Use 1 quart of UNIROYAL DINOSEB-5 with 5 gallons of fuel or diesel oil in enough water to make 100 gallons of spray. Provide continuous agitation when mixing and until spraying is finished. Make the first application to the ground and the basal two feet of the hop bines when they have reached eight feet or more in height. Use at the rate of 50 gallons per acre. Repeat as necessary, but use no more than four applications per growing season. When the plants have reached $\frac{3}{4}$ of the distance to the top of the trellis, the basal 4 feet of the bines should be sprayed. The gallonage required for the defoliation of the basal four feet of the bines will need to be increased proportionately. These treatments will materially aid in the control of weeds. **USE PRECAUTION:** Do not spray anira bines. Do not apply to young saplings in mature saplings or to plants in "baby" yards. Do not apply within 14 days of harvest.

IMPORTANT: Do not store at temperatures below 20°F. If stored for extended periods below 20°F, bring the contents of the container up to 32°F and agitate by rolling.

IMPORTANT NOTICE — Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.