

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.

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. Wear protective 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.

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

STORAGE AND DISPOSAL

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

STORAGE: 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.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide spray mixture, or rinsate is a violation of Federal Law. 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 by other procedures approved by state and local authorities.

RECEIVED
OCT 6 1983
UNIVERSITY OF CALIFORNIA
Pesticide and Herbicide Residue
Lab. No. 400 140



COMPOSITION

Active Ingredients: (% 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.

KEEP OUT OF REACH OF CHILDREN

DANGER

Not for Use or Storage in or Around the Home
MAY BE FATAL IF SWALLOWED OR ABSORBED THROUGH SKIN.
Do Not Get in Eyes, on Skin, or 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.

PELIGRO



POISON



PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

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

IF SPLASHED 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 reuse.

NOTE TO ATTENDING PHYSICIAN: Active ingredient is a metabolic stimulant. Treat symptomatically. **DO NOT** administer atropine, aspirin, or other antipyretics to control fever.

SEE LEFT SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENT.

Mfg. by UNIROYAL CHEMICAL — Division of UNIROYAL, Inc.
Naugatuck, Connecticut 06770
EPA REG. NO. 400-140
EPA EST. NO.

8 29 83

Lot. No.

NET WEIGHT:

BEST BUY AVAILABLE

REENTRY STATEMENT

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written or oral warnings must include the following information:

"DANGER" "Area to be treated with dioxob on [date of application]. Do not enter without appropriate protective clothing until sprays have dried. If accidentally exposed, consult the Statement of Practical Treatment portion of the pesticide label for first aid recommendations."

WORKER SAFETY

Avoid accidents: Follow these pesticide safety rules when handling this product.

Wear chemical workers goggles or face shield, impermeable gloves and apron while pouring and transferring the concentrated product and at other times when contact with concentrate or spray is likely. Wear a long sleeved shirt and long legged pants or coveralls, and shoes and socks while mixing concentrate and while spraying.

DO NOT WEAR CONTAMINATED CLOTHING OR SHOES:
REMOVE contaminated clothing immediately and wash thoroughly before reuse. WASH SPLASHES from skin and eyes immediately. To avoid breathing fumes or spray mist, wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health.

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% 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 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 Airfields, Walks, Fence Lines, Roadsides, Driveways, Dry Yards, Railroads, Waste Places, and around Industrial Establishments, Pole 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 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)

Pre-plant or pre-emergence 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 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.

AGENT EQUIPMENT AVAILABLE

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 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 and 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 of 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 oil 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: (PREHARVEST 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 seed or forage from treated areas to be used for food 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 the suggested rate and repeat the application 5-7 days later again using the same 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 or 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 as 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 fruits. Destroy any such fruit 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 30 days of harvest.

EST. 1950

HOPS: (For control of the basal 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 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 entire bines. Do not apply to young replants in mature replants or to plants in "baby" yards. Do not apply within 14 days of harvest.

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.