

UNIROYAL DINOSEB-3

FOR THE CONTROL OF BROADLEAF WEEDS
AND GRASSES IN MANY CROPS

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 34° F. If stored for extended periods below 34° F, gradually warm contents of the container at room temperature (70° F). Invert container several times to accelerate the reconstitution process.

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.

OCT 6 1983

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this pesticide is suspended under 40 CFR 159.101.



COMPOSITION

Active Ingredients: (% by weight)
Dinoseb (2-sec-butyl-4,6-dinitrophenol) as the alkanolamine salts (of the ethanol series) 51.0%
Inert Ingredients 49.0%

Total 100.0%

Contains the equivalent of 3 lbs. 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, 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 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 opiates, 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. 400-139
EPA EST. NO.

Lot. No.

8-31-83

NET WEIGHT:

BEST DOCUMENT 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 dinoseb 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.

141-129

GENERAL INFORMATION

UNIROYAL DINOSEB-3 dinitro weed killer is a water soluble formulation of 2-sec-butyl-4,6-dinitrophenol (DNBP) that is effective in both preemergence and postemergence applications to control many annual broadleaved weeds and grasses such as *lambquarters*, *redroot pigweed*, *Florida pusley*, *purslane*, *common ragweed*, *crabgrass*, *chickweed* and *fox tails*. Higher rates of application are needed to control seedling grasses than seedling broadleaved weeds. It may only partially control certain vigorous annual weeds and grasses, particularly under drought or cool weather conditions, and will not ordinarily control established perennials. Local conditions affect the use of herbicides. State agricultural experiment stations or extension service weed specialists in many states issue recommendations to fit conditions.

TYPES OF TREATMENT

Preemergence Treatment: (Application after the crop is planted but before crop plants emerge) For best results the soil surface should be free of clods and trash, moist and fairly firm. Results are usually improved by delaying application until 1 to 3 days before crop emergence. Light or moderate rainfall after treatment is desirable but heavy rain may cause excessive leaching of the chemical with resultant lower weed control. Under very dry or cool conditions following application, weed control may be unsatisfactory unless sprinkler irrigation is used. After crop emergence, start cultivation as soon as weed growth warrants.

Postemergence Treatment: (Application after crop plants emerge) For best results weeds and especially grasses should be sprayed when they are small seedlings. Apply UNIROYAL DINOSEB-3 during warm, sunny weather when crop foliage is dry, using low pressure (25 to 50 psi). UNIROYAL DINOSEB-3 will often cause some burning of leaves of crop plants, but the effect is usually only temporary. Spraying is more effective and less UNIROYAL DINOSEB-3 is required at higher temperatures. Use enough spray volume to give uniform and complete coverage of all weed foliage.

ATTENTION: Do not spray or allow spray drift to contact desirable crop plants including ornamental plants.

CROP USES

All application rates are expressed on the basis of overall or broadcast coverage. For band application the amount of spray required will be proportionately less, depending on the width of the bands treated.

SOYBEANS

Preemergence - Use 2 to 2 1/2 gallons of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre and apply as an overall spray. Do not use on very light sandy soils. Some reduction in the stand of soybean seedlings may result, but this does not ordinarily reduce crop yield.

Early Postemergence - (When soybeans have emerged and are still in the cotyledon stage before first true leaves expand) To control weeds that are up including *redroot pigweed*, *purslane*, *common ragweed*, *annual morningglory*, *cocklebur*, *small seedling grasses* and many others that emerge before or with the crop, use UNIROYAL DINOSEB-3 at the rate of 2 to 4 quarts per acre in 5 to 10 gallons of water applied by aerial equipment or in about 30 gallons of water applied by ground application. Select the rate to apply according to the following table depending on the maximum air temperature expected within 24 hours of spraying.

Directed Postemergence Treatment - For this use apply when soybeans are 5 to 6 inches tall up to the time they begin to bloom. Use UNIROYAL DINOSEB-3 at the rate of 2 to 4 quart/per acre in 30 to 40 gallons of water for the control of *cocklebur*, *morningglory*, *coffee weed (Sesbania)*, *pigweed* and many other broadleaved weeds. Apply as directed spray through oiling-type or other precision directed spray application equipment. Proportionately less of the same spray mixture will be required when only bands are treated. Direct the spray toward the base of the soybean plants to provide for maximum wetting of weeds with minimum contact of the crop. Control of coffee weed and grass seedlings will be improved by the addition of 2 quarts of a non-ionic surfactant (Multi-film X-77) in each 100 gallons of spray. Soybean leaves wet by the spray will be injured, however, when confined to the base of the plants, there will usually be no reduction in yield. **TO AVOID CROP INJURY SPRAY MUST NOT BE APPLIED HIGHER THAN ONE-HALF THE HEIGHT OF THE SOYBEAN PLANTS.** Repeat the directed application once or twice at 7 to 14 day intervals, if needed. Do not use after soybeans begin to bloom.

NOTE CAREFULLY: Do not graze or forage treated soybeans within 3 weeks after treatment.

Maximum Air Temperature Expected Within 24 Hours	Quarts of UNIROYAL DINOSEB-3 To Use Per Acre	
	FOR SOYBEANS	FOR PEAS ¹
BELOW 70 F	4	3
70 F to 75 F	3	2
75 F to 80 F	3	1 1/2
80 F to 85 F	2	1
85 F to 95 F	2	DO NOT APPLY
OVER 95 F	DO NOT APPLY	DO NOT APPLY

¹Apply only when crop foliage is dry. Allow time for peas to harden following a period of cool, cloudy weather before spraying. Do not apply after flower buds are visible.

PEAS

Preemergence - Use 2 to 3 gallons of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre as a broadcast spray after planting but before emergence of the crop

Postemergence - Use 1 to 3 quarts of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre in ground equipment or 5 to 10 gallons of water by aircraft when peas are 2 to 8 inches tall and weeds are small. Dosage required varies with maximum air temperature expected during the 24 hour period immediately following spraying. Consult the above table to determine the amount to apply under varying temperature conditions. When seedling grasses are a problem, use the same amount of UNIROYAL DINOSEB-3 and add 1/2 of a pound of Dalapon grass herbicide per acre. See "PFAS" recommendation on Dalapon label.

NOTE: Do not graze animals on treated fields or feed treated forage to livestock within 40 days of treatment.

BEANS

(Field, Lima and Snap)

Preemergence - Use 2 1/2 to 3 gallons of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre at time of, or shortly after, planting. Do not use UNIROYAL DINOSEB-3 on very light, sandy soils containing little or no organic matter.

Emergence - Often it is desirable to delay treatment until just before or during early emergence when beans are in but not beyond the "crook" stage. Use 1 to 1 1/2 gallons of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre as an overall spray.

CORN

(Field, Popcorn and Sweetcorn)

Preemergence - Use 2 1/2 to 3 gallons of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre as an overall spray at time of planting.

Postemergence - Use 1 to 1 1/2 gallons of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre as an overall spray to control seedling grasses and broadleaved weeds that have emerged. Apply when corn is not beyond the 2-leaf stage and weeds are small. Partial burning of corn leaves is not ordinarily harmful. Burning may be more severe if spraying is done during hot weather. Under some conditions, 2 to 3 quarts of UNIROYAL DINOSEB-3 per acre will give satisfactory control of newly emerged broadleaved weed seedlings.

CUCURBIT

(Cucumbers, Pumpkins and Squash)

Preemergence - On cucumbers use 1 gallon UNIROYAL DINOSEB-3 in about 30 gallons of water per acre after planting, but before crop emergence. On pumpkins and squash apply 1 to 2 gallons of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre after planting but before crop emergence. Use the higher rate on heavy soils.

CAUTION: Plant these cucurbit seeds at least one inch deep. Do not use on very light, sandy soils. Do not use if soil is to be covered with plant protectors. Do not use after emergence of cucurbit seedlings.

FORAGE LEGUMES

(Alfalfa, Ladino Clover, Red Clover, Sweet Clover and Birdsfoot Trefoil)

Seedling Establishment: Use 1 1/2 to 2 quarts of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre when legume seedlings have 2 or more leaves and weeds are small.

Chickweed Control: Apply 1 to 1 1/2 quarts of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre as soon as fall chickweed appears. If new chickweed seedlings appear after spraying, repeat the treatment. If chickweed becomes well developed, delay application until legumes are dormant and use 2 to 4 quarts of UNIROYAL DINOSEB-3 in 40 to 60 gallons of water per acre. Spray when temperature is above 50° F (preferably above 60° F). A second application may be required to obtain good control of heavy weed growth.

NOTE: Do not graze treated area before first cutting of hay or within 40 days of treatment.

PEANUTS

Make one early application (preemergence, early cracking stage or early postemergence) followed by one or two later postemergence applications as needed, in accordance with the following directions.

Preemergence - Use 3 to 4 gallons of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre as an overall spray. Apply at any time before planting and emergence.

Early Cracking Stage - Use 2 gallons of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre as an overall spray.

Early Postemergence - (From emergence until the plants are 1 1/2 to 2 inches in diameter.) Apply overall using 1 gallon of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre. Such an application will control weeds just coming through but will not provide long term residual effectiveness. Some foliage injury may be noted on the peanuts, particularly if the temperatures are high.

Later Postemergence - By shielding the peanuts with fenders or similar devices, to protect the plants from most of the spray, one or two applications may be made up to one month after the early cracking stage. Apply when new weeds are first visible. Use 2 quarts UNIROYAL DINOSEB-3 in about 30 gallons of water per acre.

POTATOES

(Weed Control)

Preemergence - Use 1 to 2 gallons of UNIROYAL DINOSEB-3 per acre in about 30 gallons of water and apply a few days (1 to 3) before the potatoes emerge. Apply as an overall spray. If seedling grasses are a particular problem add Dalapon to the above mixture at a rate to give 3 pounds per acre and apply in the same manner.

NOTE: Do not use DALAPON in sprays to be applied to White Rose or red skinned varieties.

POTATOES

(Preharvest Vine Killing)

Use 2 to 3 quarts of UNIROYAL DINOSEB-3 per acre in spray prepared as follows: Mix 1 pint of a non-ionic surfactant (Multi-film X-77) in 5 gallons of fuel oil and emulsify in 30 gallons of water, then add the UNIROYAL DINOSEB-3 with vigorous agitation and spray at moderate pressure. Spray 10 to 20 days before harvest during warm sunny weather. Complete coverage of vines is essential.

NOTE: Do not spray exposed tubers nor graze treated fields.

SMALL GRAINS

(Barley, Oats, Rye and Wheat)

SEEDED ALONE OR INTERPLANTED WITH A LEGUME

Postemergence - Use 1 1/2 to 2 quarts of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre when grain is 3 to 6 inches tall and weeds are small. Partial burning of grain leaves is not ordinarily harmful.

BEST DOCUMENT AVAILABLE

410-130 4

STRAWBERRIES

On strawberries in the Northwest, applications in early spring and immediately following harvest are effective on established plantings, using 4 to 6 quarts of UNIROYAL DINOSEB-3 in 40 to 60 gallons of water per acre

FRUIT AND NUT ORCHARDS

GRAPE VINEYARDS IN IRRIGATED AREAS IN CALIFORNIA

Use UNIROYAL DINOSEB-3 at the rate of 3 to 3 1/2 gallons in 50 to 100 gallons of water per acre to control annual weeds and grasses under conditions specified below. The addition of 1 to 2 gallons of emulsifiable summer oil per 100 gallons of spray will improve the kill of large weeds and emerged grasses. For best results the soil surface should be moist from rainfall or irrigation at the time of treatment. Moderate rain, basin or sprinkler irrigation soon after application aids in residual preemergence control. Furrow irrigation will not move the UNIROYAL DINOSEB-3 into the soil adequately under the vines or tree rows. On emerged weeds and grasses, best results are obtained when post-treatment irrigation is delayed until topkill is apparent. Do not disturb treated soil until required by loss of residual weed control.

NOTE: Do not allow livestock to graze on treated ground cover.

**BEARING ORCHARDS
AND BEARING GRAPE VINEYARDS**

Spray the areas under almond, peach, pear and prune (plum) trees and grapevines using UNIROYAL DINOSEB-3 at the rate of 3 to 3 1/2 gallons per acre in enough water to obtain good coverage. Apply as directed spray with the spray striking no more than 6 inches high on the tree trunks and grape stems. Treat a band of soil surface the width desired for weed control, using amounts of spray proportional to the area actually treated. Apply during the dormant period and prior to bloom, either before the weeds come up or when they are in the young stage. Uniform soil coverage is essential for uniform results.

NON-BEARING FRUIT AND NUT PLANTINGS

Spray the areas under trees of peach, pear, prune (plum), almond and walnut, using UNIROYAL DINOSEB-3 at the rate of 3 to 3 1/2 gallons per acre in enough water to obtain good coverage. Use as directed spray with the spray striking no more than 6 inches high on the tree trunks. Treat a band of soil surface the width desired for weed control, using the amounts of spray proportional to area actually treated. Apply any time as needed when conditions are favorable for best results. Keep spray off foliage and succulent growing terminals.

DAFFODILS, TULIPS AND SIMILAR FALL PLANTED BULBS

Preemergence - Spray in late fall following emergence of winter annual weeds using 1 to 2 gallons of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre. Do not apply after bulb shoots emerge above ground.

GLADIOLUS

Preemergence - Use 2 1/2 to 3 1/2 gallons of UNIROYAL DINOSEB-3 in about 30 gallons of water per acre as an overall spray, preferably just before crop emergence.

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.