

ACCEPTED
DEC 15 1972
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
ED UNDER NO. 5905-194 SUBJECT
TO ATTACHED COMMENTS.

HELENA

BRAND

DINITRO WEED KILLER 5

FOR CONTROLLING ANNUAL WEEDS
AND GRASSES, TOP KILL OF
HERBACEOUS WEEDS AND GRASSES

DANGER

KEEP OUT OF REACH OF CHILDREN



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SEE ANTIDOTE STATEMENT AND OTHER PRECAUTIONS ON LEFT PANEL.

ACTIVE INGREDIENT:
Dinoseb (2-SEC-butyl 1-4,6-dinitrophenol) * 54.4%
INERT INGREDIENTS: 45.6%
*This product contains 5.0 lbs. of Dinoseb per gallon

EPA Reg. No. 5905-194

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FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC PEST REGISTRATION
ED UNDER NO. 5905-194

DANGER: May be fatal if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Do not breathe spray mist. Do not wear contaminated clothing. Do not use or store near food or feed products.

Observe all cautions and limitations on labeling of all products used in mixtures.

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

Toxic to fish and wildlife. Birds and other wildlife in treated areas may be killed. Do not apply when weather conditions favor drift from areas treated. Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply where runoff is likely to occur. Apply this product only as specified on this label.

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.

ANTIDOTE: If swallowed, SEND FOR A PHYSICIAN. Induce vomiting by giving an emetic such as 2 tablespoons of table salt in a glass of warm water. Repeat until vomit fluid is clear, then give 2 teaspoons of baking soda in a glass of water. Treat as in FIRST AID, above.

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. Staining may result in contaminated articles are allowed to contact carpets, upholstery, etc.

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

STORAGE (Import): Do not store at temperatures below 20 degree F. If stored for extended periods below 20 degree F. bring contents of the container up to 32 degree F. and agitate by rolling.

CONTAINER DISPOSAL: Do not reuse empty container or drum. Return drum to a reconditioner or destroy by perforating or crushing. Bury in a safe place away from water supply. Rinse equipment and containers and dispose of waste by burying in non-crop lands away from water supplies.

NOTICE: Use of this material in a manner or at any time other than in accordance with the directions may produce plant injury, excessive residues, or other undesirable results.

WARRANTY AND LIMITATION OF DAMAGES: Helena Chemical Company warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use and Conditions of Sale, subject to the inherent risks referred to therein. Helena Chemical Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY, and no agent of Helena Chemical Company is authorized to do so except in writing with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or value, etc.

GENERAL INFORMATION: HELENA BRAND DINITRO WEED KILLER 5 when used with the proper amounts of oil and water controls most annual weeds, grasses and top growth of herbaceous perennial weeds and grasses. It may also be used for pre-harvest application (harvest aid) on

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

CONTAINER DISPOSAL: Do not reuse empty container or drum. Return drum to a reconditioner or destroy by perforating or crushing and dispose of waste away from water supply. Rinse equipment and containers and dispose of waste by burning in non-crop lands away from water supplies.

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GENERAL INFORMATION: HELENA BRAND DINITRO WEED KILLER 5 when used with the proper amounts of oil and water controls most annual weeds, grasses and top growth of herbaceous perennial weeds and grasses. It may also be used for pre-harvest application (harvest aid) on potatoes and various seed crops such as legumes and soybeans to remove excessive foliage.

HELENA BRAND DINITRO WEED KILLER 5 may also be used for weed control in such non-crop areas as airfields, walks, fence lines, roadsides, driveways, storage yards, pole yards, tank farms, railroad yards and switches as well as around industrial establishments.

The lower application rates will satisfactorily control small annual grasses and weeds (crabgrass, foxtail, barnyardgrass, pigweed, lambsquarter, mustard and sorrel) while the higher application rates will be required to control coarse and resistant grasses and weeds (wildoats, chickweed, mayweed, mallow, pineapple weed, wild carrot and fennel).

HELENA BRAND DINITRO WEED KILLER 5 is a contact herbicide to control annual weed pests but retreatment will be required for perennials and any regrowth that should occur. Use enough spray material to wet all vegetation to be controlled.

HELENA BRAND DINITRO WEED KILLER 5 is a contact herbicide which inhibits plant respiration and coagulates plant proteins. It will not translocate.

MIXING INSTRUCTIONS: All "oil-water sprays" must be pre-mixed in separate containers. Mix required amounts of HELENA BRAND DINITRO WEED KILLER 5 and oil. Fill Spray tank 3/4 full of water and start agitation (vigorous) and add pre-mixed HELENA BRAND DINITRO WEED KILLER 5 and oil solution.

"Oil Sprays" be sure to drain all water from spray tank, hose lines, and pumps. Small amounts of water will result in a gel-like emulsion and will ruin the spray solution. Add a small amount of oil into tank, circulate through the pump, hose, nozzles and discard to insure water-free spray mix. Start agitation (moderate) and add proper amount of HELENA BRAND DINITRO WEED KILLER 5. Continue agitation during application for a uniform spray mix.

DO NOT REUSE THIS CONTAINER FOR ANY PURPOSE

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USE DIRECTIONS:

GENERAL WEED CONTROL: For use in general weed control, spray 2 to 3 pints of HELENA BRAND DINITRO WEED KILLER 5 in 5 to 30 gallons of oil and up to 100 gallons with water. Spray weedy growth thoroughly.

PRE-EMERGENCE: HELENA BRAND DINITRO WEED KILLER 5 spray can be used to control small weeds that emerge before certain crops. Use pre-emergence application of the land several days before planting will result in more weeds being up at time of application. On land planted to large seeded crops—beans, corn, cucurbits, potatoes and sorghum, spray at least one day before emergence of crop. Use 1-1/2 pints of HELENA BRAND DINITRO WEED KILLER 5 per acre mixed with 2 gallons of oil and 30 gallons of water. Apply as a fine spray to insure complete wetting of the weeds.

GRAPES AND BUSH FRUITS: Apply HELENA BRAND DINITRO WEED KILLER 5 spray when weeds are growing well, but before they are 6 inches high. In vineyards, applications can be made up to 3 or 4 weeks after bloom. For use in the spring, before or after harvest use 2 to 3 pints of HELENA BRAND DINITRO WEED KILLER 5 in 10 to 20 gallons of oil made up to 100 gallons with water. For treatment during bloom and up to 3 or 4 weeks after bloom, use 2 pints of HELENA BRAND DINITRO WEED KILLER 5 per 100 gallons of spray. Use up to 150 gallons per acre to insure good weed coverage, making sure to apply as a directed spray. Avoid spraying grape foliage, blooms or fruiting clusters. It may be desirable to limit treatment to 1 or 2 foot band directly under trellis where weed problems are most severe and mechanical cultivation is difficult. For such band treatment, reduce application rate proportionately. Repeat if regrowth appears, but limit applications to 2 during a single season. On bush fruits (blackberries, blueberries, currants, gooseberries and raspberries) use 2 to 3 pints of HELENA BRAND DINITRO WEED KILLER 5 in 10 to 20 gallons of oil and up to 100 gallons with water. Apply 125 to 150 gallons per acre after harvest or in spring before bloom. Use a directed spray, do not treat young canes desired for permanent plants. Make 1 or 2 applications as needed. HELENA BRAND DINITRO WEED KILLER 5 can be used in combination with certain other herbicides.

ALFALFA: Apply to established stands during dormant season to control winter annuals or apply immediately following first cutting, but before regrowth. For control of dodder and summer annuals. Mix 2 to 3 pints HELENA BRAND DINITRO WEED KILLER 5 in 10 to 50 gallons of oil and make up to 100 gallons with water. Spray on low volume sprayer, insure wetting all weed foliage, using approximately 100 gallons per acre. Use the higher oil rate and higher oil rate where grassy weeds are the major problem. Do not feed treated hay to livestock or graze treated areas.

SEED CROPS (Alfalfa, Trefoil, Peas and Soybeans): Pre-harvest application to facilitate seed crop harvest. Apply 3 to 4 days before harvest. For alfalfa and trefoil, use 2 to 3 pints HELENA BRAND DINITRO WEED KILLER 5 per acre in 4 to 10 gallons of oil or fuel oil per acre. For ground application, use 2 to 3 pints HELENA BRAND DINITRO WEED KILLER 5 with 8 to 15 gallons of oil for low volume sprayers or with 5 to 15 gallons of oil plus 25 to 40 gallons of water for high volume sprayers. The higher rates and volumes are recommended for use during cool, cloudy weather and under heavy foliage conditions. Do not feed treated forage to livestock or graze treated areas.

POTATO VINE KILLING (pre-harvest and): Spray 10 to 30 days before harvest. Spray volume and concentrations per acre are determined by the variety and vigor of the vines, degree of kill desired and weather conditions at the time of application. Use the higher rate during cool, cloudy weather or under heavy foliage conditions. Low volume air or ground sprayers use 2 to 3 pints of HELENA BRAND DINITRO WEED KILLER 5 in 5 to 10 gallons of diesel or fuel oil per acre. For medium volume sprayers, use 2 to 4 pints of HELENA BRAND DINITRO WEED KILLER 5 per acre in 5 gallons of fuel oil. Use nozzles that give coverage to all parts of the plant. NOTE: Browning of the vascular ring of potato tubers sometimes occurs after the use of vine killers. Do not spray exposed tubers. Do not graze treated areas.

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ALFAIFA: Apply to established stands during dormant season to control winter annuals or apply immediately following first cutting, but before regrowth, for control of dodder and summer annuals. Mix 2 to 3 pints HELENA BRAND DINITRO WEED KILLER 5 in 10 to 50 gallons of oil and make up to 100 gallons with water. Spray or fog to thoroughly wetting all weed foliage, using approximately 100 gallons per acre. Use the higher oil rate and higher oil rate where grassy weeds are the major problem. Do not feed treated foliage to livestock or graze treated areas.

SEED CROPS (Alfalfa, Trefoil, Peas and Soybeans): Pre-harvest aid to facilitate seed crop harvest. Apply 3 to 6 days before harvest. For air plane application, use 2 to 3 pints HELENA BRAND DINITRO WEED KILLER 5 per acre in 4 to 10 gallons of diesel or fuel oil per acre. For ground application, use 2 to 3 pints HELENA BRAND DINITRO WEED KILLER 5 with 8 to 15 gallons of oil for low volume sprayers or with 5 to 15 gallons of oil plus 25 to 40 gallons of water for high volume sprayers. The higher rates and volumes are suggested for use during cool, cloudy weather and under heavy foliage conditions. Do not feed treated foliage to livestock or graze treated areas.

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GROUND COVER (Directed Spray): For Citrus, Date and Palm Groves including almonds, filberts, pecans and walnuts; Deciduous Fruit Orchards, including apples, pears, peaches, cherries, apricots, plums and prunes; Drainage Ditchbanks: mix 2 to 3 pints of HELENA BRAND DINITRO WEED KILLER 5 in 10 to 25 gallons of diesel or fuel oil and enough water to make 100 gallons of spray. Apply as a coarse spray and thoroughly cover all unwanted foliage. On crop areas, DO NOT APPLY more than 100 gallons of the complete spray per acre. Do not spray young tree stock as girdling may occur. Avoid getting any spray material on the fruit. Destroy any accidentally sprayed fruit. Do not use water from treated areas for irrigation or domestic purposes.

Do not contaminate irrigation or domestic waters. Do not allow livestock to graze treated areas.

DOWNY MILDEW ON HOPS (Control of Basal Spike Phase): Control is obtained by killing, sprayed basal parts of the bines, this aids in controlling further fungus spread. Use 1 quart of HELENA BRAND DINITRO WEED KILLER 5 with 5 gallons of diesel or fuel oil in enough water to make 100 gallons of finished spray. Continuous agitation is needed during both the mixing and application periods. Make the first application on the ground and the lower 2 feet of the vines, making sure the plant has reached the height of 6 feet. Use at 50 gallons per acre, repeat as needed, but DO NOT use more than 4 applications per season. When the vines have reached 3/4 of the trellis height the lower (base) 4 feet of vine system be sprayed. This will materially control weeds in trellis areas. The application rate will have to be increased proportionately to obtain control. Do not spray entire vine. Do not apply to young bines in mature plantings, and do not use in "nursery" plantings. Do not apply within 14 days of harvest.

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NET CONTENTS

U.S. GALLONS