

Code 7

Net Contents
Gallons

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Sinox[®] General

Contact Weed Killer

For Agricultural or Commercial Use Only

EPA Reg. No. 279-1855 EPA Est. 279-

	By Wt.
Active Ingredient: Dinoseb, (2 - sec-butyl-4, 6-dinitrophenol)	55%
Inert Ingredients:	45%
	100%

Contains Nitrated Phenols
Contains the equivalent of 5 pounds DNOSBP per gallon
Sinox[®] - FMC Trademark

KEEP OUT OF REACH OF CHILDREN

☠ DANGER — POISON ☠

First Aid

If swallowed, 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. Get medical attention.

If on skin, wash with rubbing alcohol and followed by a thorough scrubbing with soap and water. Remove contaminated clothing. Get medical attention.

If in eyes, flush with water for 15 minutes. Get medical attention.

Note to Physician: Active ingredient is a metabolic stimulant. Treat symptomatically. There is no specific antidote.

For Emergency Assistance Call: 716-735-3765.

See Other Panels for Additional Precautionary Information.

FMC
FMC Corporation
Agricultural Chemical Group
2000 Market Street
Philadelphia Pennsylvania 19103

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PRECAUTIONARY STATEMENTS Hazards to Humans (and Domestic Animals)

Danger
Poisonous if swallowed or absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Keep away from children, domestic animals and food stuffs.

Environmental Hazards

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

Physical or Chemical Hazards

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 and Disposal

Do not store below 20°F. Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide, spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies. Drums may be resealed and offered for reconditioning, otherwise, triple rinse (or equivalent) all containers and offer for recycling, reconditioning or disposal in an approved landfill, or bury in a safe place. Do not reuse this container. Do not cut or weld this container. Consult Federal, State or local disposal authorities for approved alternative procedures.

Not for use or storage in or around the home.

Sinox General, when used with the proper amount of oil and water, will control all the common herbaceous weeds and grasses. Use enough spray to wet all weed growth thoroughly, as it acts by contact action only. The lower dosages of oil and weed killer given below will be satisfactory for control of small-seeding annual grasses such as crabgrass and barnyard (water) grass, and of small-seeding annual weeds such as pigweed, mustard, lamb's quarters, and sorrel. Coarse grasses such as wild oats and resistant weeds such as chickweed, mayweed, mallow, pineapple weed, sweet fennel and wild carrot will require the 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. Control will be best in warm weather.

Mixing Instructions: For oil-water sprays add approximately 1/4 of water needed for the batch to the sprayer tank. In a separate container, thoroughly pre-mix the proper amounts of Sinox General and oil. With vigorous agitation add this pre-mix to the water. Add the remaining required 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 Sinox General. Moderate agitation will maintain a uniform spray mix. NOTE: Small amounts of water in Sinox General — 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 instruction outlined.

GENERAL WEED CONTROL: For use in non-crop areas such as industrial sites, around buildings, along ditch banks, and utility, highway, pipeline and railroad right-of-ways, use 2 to 3 pints of Sinox General in 10-25 gallons of diesel or any weed oil and enough water to make 100 gallons of spray. Spray weed growth thoroughly.

Control of Broadleaf Weeds and Grasses in Fruit Orchards and Citrus and Nut Groves: Use 1 to 8 quarts of Sinox General with 2 to 20 gallons of diesel oil or weed oil with enough water to make 100 gallons of spray and apply as a "floor" spray under the following crop plants: **almonds, apples, apricots, cherries, citrus, dates, figs, filberts, nectarines, olives, peaches, pears, pecans, plums (prunes), walnuts.**

Use one of the spray mixtures specified in the following table. The mixture of choice will depend upon nature of the vegetation to be controlled, availability of the materials needed and the economic factors involved in their use. Consult State Agricultural Experiment Station and Extension Service Weed Control Specialists regarding local recommendations.

Period of Fruit and Nut Trees in Planting	Gallons Oil to Use For 100 Gallons Spray when Sinox General Used at Per Acre Rates of:			
	1 quart	2 quarts	4 quarts	8 quarts
1st year	5	4	3	2
2nd year	10	5	5	3
3rd year	15	3	5	5
4th year and longer	20	5	10	5

Apply only to the ground cover only using coarse spray directed across the lower 6 to 12 inches of the tree trunks and at a rate to give 100 gallons of spray mixture per treated acre. Wet thoroughly all weed foliage and bare soil areas where a residual control is desired. Avoid spraying crop foliage, fruits or nuts. Make three to four applications per year as needed. Best results control of weed seedlings will result when the application is followed within a few days by rain or surface irrigation flood or sprinkler. Note: Destroy all fruit accidentally sprayed. Do not apply within 30 days before harvest. Do not allow livestock to graze on treated ground cover.

Weed Control in Grapes and Bush Fruits: Apply spray containing Sinox General when weeds are growing well but before they are 6 inches high. On **Grapes**, applications 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 3 pints of SINOX GENERAL 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 Sinox General 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 most severe and soil cannot be easily cultivated. For such band treatments the gallonage per acre should be reduced proportionally. Repeat if needed, but make no more than 2 applications in a single season. On **Bush Fruits** such as blackberries, blueberries, currants, gooseberries and raspberries, use 2-3 pints of Sinox General 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. Sinox General can be used in combination with certain other herbicides.

Weed Control in Alfalfa — Established stands, dormant season (for control of winter annuals) Use 2 pints Sinox General in 50 gallons diesel fuel per acre. Water may be added to make 100 gallons of spray when necessary to insure adequate coverage. Apply on warm sunny day, after the alfalfa is completely dormant. Established stands, growing season Use 3 pints in 80 to 100 gallons of water per acre for control of summer weeds. Apply immediately after first cutting and before new growth starts. For dodder control apply immediately after first cutting and before regrowth starts. **DO NOT GRAZE TREATED AREAS OR USE TREATED FOLIAGE FOR FEED OR FORAGE**

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Pre-Harvest Drying of Alfalfa, Alsike, Ladino, and Trefoil (For Seed Use): Use 2 to 3 pints per acre. For airplane applications use 5 to 15 gallons of diesel oil or other weed oil. Use only oil as a diluent. Fly a maximum swath of 35 feet. For ground application use with 8 to 15 gallons of diesel or other weed oil for low volume sprays or with 5 to 15 gallons of diesel or other weed oil plus 25 to 40 gallons of water for high volume sprays. Where foliage is very heavy, two applications, 2 days apart, give best results. Use 2 pints in 8 gallons of oil for each application. On Alfalfa apply 3 to 6 days before harvest. On Alsike, Ladino and Trefoil, 1 to 3 days. **DO NOT GRAZE TREATED AREAS OR USE TREATED FOLIAGE FOR FEED OR FORAGE**

Potato Vine Killing (Seed and Table Stock) High Volume Sprays — Use 2 pints of Sinox General in 2 to 4 gallons diesel or fuel oil and water to make 100 gallons. Use 100 to 200 gallons of spray per acre. **Medium Volume Sprays** — Use 2 to 4 pints Sinox General in 5 gallons diesel or fuel oil and water to make 25 to 40 gallons of spray per acre. **Low Volume Sprays** — Use 2 to 3 pints of Sinox General in 5 to 10 gallons of diesel or fuel oil per acre. Apply by either air or ground equipment. Fly a maximum swath of 35 feet. Apply 10 to 14 days before harvest, spraying thoroughly as complete coverage is essential. Do not spray within 10 days of harvest. Do not spray exposed tubers. Do not graze livestock on treated areas. **NOTE** Browning of the vascular ring of potato tubers sometimes occurs after the use of vine killers.

Hops — 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 Sinox General with 5 gallons of fuel 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 on the basal 2 feet of the hop bines when they have reached 8 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 three-fourths of the distance to the top of the trellis, the basal four feet of the bine 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 Precautions: Do not spray entire bine. Do not apply to replants in mature hop yards or "baby" yards. Do not apply within 14 days of harvest.

Soybeans: (Seed crop only) — For Preharvest Defoliation: Use 2 to 3 pints Sinox General dissolved in 10 to 15 gallons of diesel or weed oil per acre. Apply 2 to 5 days before harvest. Do not graze treated areas or feed treated forage to livestock. Do not use seed for food, feed, or oil purposes.

Dealers Should Sell in Original Packages Only.

Terms of Sale or Use — On purchase of this product buyer and user agree to the following conditions:

Warranty: FMC makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

Directions and Recommendations: Follow directions carefully. Timing and method of application, weather and crop conditions, mixture with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller and are assumed by buyer at his own risk.

Use of Product: FMC's recommendations for the use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice.

Damages: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

(7-PA 6182)

AUG 12 1982

Eunice M. Cuirle
 PAC Corporation
 Agricultural Chemical Group
 2000 Market Street
 Philadelphia, PA 19103

Dear Ms. Cuirle:

Subject: Amendment: Revised Orchard Floor Directions
 Sinox General
 EPA Registration No. 279-1855
 Your Application of August 4, 1982

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Poison must appear in the color red on a distinctly contrasting background.
 - b. Change "keep out of any body of water" to read:

Do not apply directly to water.
 - c. Update the disposal directions in accordance with the attached sheet.
 - d. In the table, change Dow to Sinox.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

Richard F. Mountfort *RFM*
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767)

Enclosure

RD;MOUNTFORT:24135;hww:Raven:479-2018:0654B:08-09-82

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