

**ACCEPTED**  
LICENSE NO. **9521.72**

# Hinder™

**DEER & RABBIT REPELLENT**

Protects plants by forming a mild odor barrier that is inoffensive to humans. For use on Apples, Pears, Soybeans, Peanuts, Carrots, Nursery Stock, Ornamental Trees, Shrubs, and Flowers.

**ACTIVE INGREDIENTS:**

Ammonium Soaps of Higher Fatty Acids ..... 13.8%

**INERT INGREDIENTS:** ..... 86.2%

**TOTAL:** ..... 100.0%

## KEEP OUT OF REACH OF CHILDREN DANGER/PELIGRO

PUEDA CAUSAR DAÑO PERMANENTE A LOS OJOS.

Si usted no lee ingles, no use este producto hasta que alguien se le explique ampliamente la etiqueta.

**FIRST AID**

<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>

**NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage.

**EMERGENCY INFORMATION**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:

For Medical Emergencies phone:.....	1-888-681-4261
For Transportation Emergencies, including spill, leak or fire, phone:CHEMTREC®.....	1-800-424-9300
For Product Use Information phone:AMVAC®.....	1-888-462-6822

SEE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

EPA Reg No. 5481-508  
EPA EST. No. 5481-ID-001



4100 E. Washington Blvd.  
Los Angeles, CA 90023 U.S.A.  
1-888-462-6822

Net Contents:  
1 gallon

Made in USA

20150601

PEEL BACK BOOK HERE AND RESEAL AFTER OPENING



**READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT.  
USE ONLY ACCORDING TO THE DIRECTIONS ON THE LABEL  
AND OBSERVE ALL PRECAUTIONS.**

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER:** Causes irreversible eye damage. Harmful if inhaled. Do not get in eyes or on clothing. Avoid breathing vapor or spray mist. Wear safety glasses when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear a long-sleeved shirt and long pants, waterproof gloves, shoes and socks, protective eyewear, and a NIOSH approved respirator with any N, R, P or HE filter. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### **USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

### **ENVIRONMENTAL HAZARDS**

This product may be hazardous to aquatic invertebrates. Do not apply directly to water, areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.





## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other person, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Chemical-resistant footwear plus socks
- Protective eyewear



## GENERAL DIRECTIONS

This product may be used to limit browsing by white-tailed deer (*Odocoileus virginianus*) and black-tailed or mule deer (*O. hemionus*), on apple and pear trees, soybeans, peanuts, carrots, nursery stock, ornamental trees and shrubs, annual and perennial flowers.

This product may also be used to discourage feeding by cottontail rabbits (*Sylvilagus floridanus*) and black-tail jack rabbits (*Lepus californicus*) on home gardens and on the trunks of nursery stock and ornamental trees.

When considering use of this product during cold weather, note that a temperature of at least 40° F for a four hour period is needed to allow proper drying time.

Do not apply this product in undiluted form. Do not apply this product with sprayers previously used for herbicides UNLESS that sprayer has been sufficiently cleaned to avoid crop injury. Do not spray this product on wilted plants. Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands or animals. Apply only when wind speed is not more than 10 mph. For sprays, apply the largest size droplets possible.

Check relevant sections of application directions for information on phytotoxicity and other specific limitations on treatments.

DO NOT apply this product through any type of irrigation system.

**CHEMICAL COMPATIBILITY:** Hinder is not chemically compatible with most strongly ionized metallic salts such as zinc sulfate, manganese sulfate and iron sulfates. Do not use with strongly acidic spray materials. Hinder is compatible with most commonly used organophosphate, carbamate, neonicotinoid and pyrethroid, insecticides and miticides and with neutral micro-nutrient material.



## APPLICATION DIRECTIONS

SHAKE CONTAINER WELL BEFORE MIXING OR APPLYING ITS CONTENTS. Hinder may be applied by conventional spraying equipment ranging from small hand-held sprayers to commercial sprayers. This product may be applied by aircraft only on soybeans, peanuts and carrots.

Under reasonably dry conditions, Hinder should be reapplied every 10 - 14 days for as long as plant protection is needed and the treatments appear to be effective.

Rains may wash Hinder off treated vegetation. Treatment should be repeated after heavy rains. DO NOT apply Hinder when rain is expected within the next 24 hours.

For best results, apply Hinder before the animals start feeding on the plants to be protected. Hinder makes treated plant tissues less palatable to deer and rabbits and can influence them to leave the treated plants alone in favor of other forage. Under conditions of severe hunger, treated plants may be damaged substantially. In some cases, protection of plants from deer damage may be enhanced by providing a secondary food source such as baled hay just outside the treated area at the time of treatment. In other cases, permanent fencing or temporary enclosures may be needed.

Consult specific directions (below) for the target species and type of treatment involved in your control situation.

### **DEER**

Apple and Pear Trees: To make spray mixture, mix 3 – 5 gallons of Hinder per 100 gallons of water (3.8 – 6.4 fluid ounces per gallon). Using ground rig equipment, treat outer vegetation on all lower branches up to 6 - 8 feet above the ground surface. Apply spray until all vegetation to be protected has been made wet.

DO NOT apply during bloom period as treatments may result in phytotoxicity. Applications made between petal fall and harvest on fruit bearing apple and pear trees may cause cosmetic damage to the fruit. When treating fruit bearing trees, use equipment that provides uniform coverage and no droplet formation on the fruit. Rings may form on fruit in areas of dried droplets.



**Nursery Stock and Ornamental Trees and Shrubs:** For treating large plantations, mix 2 – 4 gallons of Hinder per 100 gallons of water. For smaller treatment programs, such as ornamental plants in a yard or garden, mix 1 – 2 pints of Hinder per 5 gallons of water (3.2 - 6.4 fluid ounces per gallon). Apply as a full coverage spray using application volumes up to 100 gallons per acre to treat foliage that is within reach of browsing deer. DO NOT irrigate from overhead for at least 24 hours after treatment.

**Annual and Perennial Flowers:** Mix 1 – 2 pints Hinder per 5 gallons of water (3.2 to 6.4 fluid ounces per gallon). Apply as a full coverage spray using application volumes up to 100 gallons per acre to treat flowers and foliage that are within reach of browsing deer. DO NOT irrigate from overhead for at least 24 hours after treatment. Note: A preliminary trial is recommended to determine plant tolerance. Open flowers (e.g., petunias, impatiens and begonias) may show spotting and petal fall after treatment. Foliage on some sensitive plants (e.g., impatiens, zinnia, bleeding heart, roses and columbine) can show minor marginal burning. New foliage growth and flower buds that open after treatment usually will be unaffected (except for salvia and possibly some other types).

**Carrots:** Mix 2 – 4 gallons of Hinder per 100 gallons of water (2.6 to 5.1 fluid ounces per gallon). Apply by ground or aerial equipment at rates of 50 - 100 gallons of spray solution per acre.

**Soybeans and Peanuts:** Mix 1 to 2 quarts of Hinder per 10 gallons of water. Apply by ground or aerial equipment at rates of 10 - 20 gallons of spray solution per acre.

## **RABBITS**

**Trunks of Nursery Stock and Ornamental Trees:** Mix equal parts of Hinder and water and apply by brush to trunks of plants to be protected. Apply to just above the height that rabbits might reach.





## STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool, dry place, preferably in a locked storage area.

**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:** Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for ten seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by burning. If burned, stay out of smoke.

## LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.



**THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.**

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AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

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