



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
67727-1

Date of Issuance:  
FEB 2 1995

Term of Issuance:  
Unconditional

Name of Pesticide Product:  
1,4SIGHT

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration  
(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

D-I-1-4, Inc.  
15401 Cartwright Road  
Boise, ID 83703

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA sec. 3(c)(5) provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Add the phrase "EPA Registration No. 67727-1" to your label.
  - b. Align the decimal points in the ingredient declaration.
3. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

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

Cynthia Giles-Parker  
Product Manager (22)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

Signature of Approving Official:

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Date:

FEB 2 1995

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# 1,4SIGHT

## Aerosol Grade - Potato Sprout Inhibitor

	By Weight
Active Ingredient: 1,4-Dimethylnaphthalene* .....	94.7%
Inert Ingredients: .....	5.3%
TOTAL .....	100.00%

\* Contains 7.9 pounds active ingredient per gallon.

### WARNING

Keep Out of Reach of Children

PRECAUTIONARY STATEMENTS  
Hazards to Humans and Domestic Animals

### WARNING

Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove and wash contaminated clothing before reuse.

#### Statement of Practical Treatment

If in Eyes: Call a physician. Hold eyelids open and flush with a steady gentle stream of water for 15 minutes.

If Swallowed: Drink promptly a large quantity of milk, egg white, gelatin solution, or, if these are not available, large quantities of water. Avoid alcohol.

If on the Skin: Wash skin with soap and large volumes of water.

#### Emergency Information

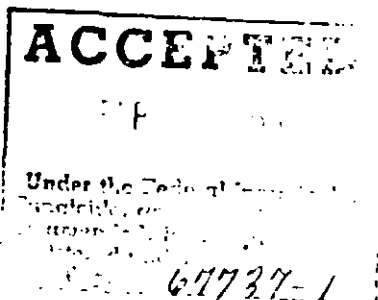
For spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300

#### Environmental Hazards

This product is highly toxic to freshwater fish and aquatic invertebrates. Do not contaminate water by disposal of equipment wash waters.

Net Contents \_\_\_\_\_

Manufactured For:  
D-1-1-4, Inc.  
15401 Cartwright Road  
Boise, ID 83703 USA



EPA Reg. Number 67727-1  
EPA Est. Number \_\_\_\_\_  
Made in Japan  
Revision 941212

## DIRECTIONS FOR USE

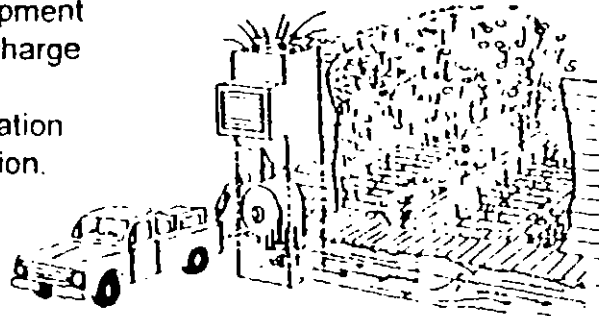
It is a violation of Federal law to use this product in a manner inconsistent with its labeling

### NOTICE

- 1,4SIGHT is used as an aerosol to control the sprouting of potatoes during the storage phase.
- In the event it is necessary to enter the storage building during the application or immediately afterwards, before the fog has settled, protective clothing and an appropriate breathing apparatus must be worn.
- 1,4SIGHT must not be applied to potatoes in the field.
- 1,4SIGHT should be applied to potatoes after the normal suberization process, when wound healing is complete. The visible wounds to the skin must be healed over.
- Do not use on seed potatoes.
- Do not allow vapors to come in contact with, or get near to, storage areas used for seed potatoes.
- Let six months elapse before using treated storage area for seed potatoes. Air system components (including ducts) and building must be thoroughly cleaned before area is used for storage of seed potatoes.

### FORCED AIR DISTRIBUTION METHOD

1. The humidity must be turned off at least 12 hours prior to the application of 1,4SIGHT. There should not be water standing in the distribution system.
2. Prepare the aerosol generating equipment as depicted in the diagram. The discharge from the vaporizer should be located downstream from the fans or in a location that will provide for optimum distribution.
3. Set the controls to recirculate only. The outdoor louvers should be covered and any large leak in the building should be sealed.
4. Reduced air flow in the distribution system is advantageous. The 3-phase motors can be slowed down using a frequency drive. The airflow should be slowed only enough to prevent aerosol particle collision.
5. Wait 24 hours before fresh air is introduced into the storage, then return the storage to "normal" operation.



### TREATMENT OF STORAGE OR OTHER AREAS THAT DO NOT HAVE RECIRCULATING AIR SYSTEMS

These storages and lots of potatoes are more difficult to treat. Additional steps must be taken to treat these storages.

- 1 Place air ventilation ducts on the floor before the area to be treated is filled with potatoes. These ducts should be large enough to carry the air completely under the pile of potatoes with one end open to the room and the other end closed under the pile. These ducts should be no more than 10 feet apart. The duct can be a wooden box with perforations, a corrugated metal pipe with holes, or trenches cut into the

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- floor. When the potatoes are bagged they can be stacked over the vent ducts in such a manner to allow the free flow of air through the stack.
2. Locate a small fan, either a squirrel cage or tube axial, at the open end of ventilation duct. The discharge from the vaporizer should be located close to the fan inlets.
  3. Completely close off the area to be treated. This may include vent doors in the attic and walk doors around the perimeter. The large truck doors may need to be sealed to prevent excess leakage.
  4. Begin treatment by following the listed steps:
    - A. Start the small fans.
    - B. Adjust the location of the vaporizer so all the fans get an equal amount of aerosol fog. It may be necessary to move the vaporizer during the application or make the application in multiple phases.
    - C. Continue to run the fans until the fog has settled.
  5. Wait 24 hours before fresh air is introduced into the storage, then return the storage to "normal" operation.

#### APPLICATION

Application of 1,4SIGHT should be made after suberization is complete and before sprouting of potatoes occurs.

1. Apply at the rate of 1 pound of active ingredient per 50,000 lbs (500 CWT), 20 PPM on a product to potato basis, or 1 gallon per 4,000 CWT.
2. For low volume application, use FORCED AIR recirculation through the pile at rates up to 5.0 CFM per ton of potatoes. For other applications, use the lowest FORCED AIR recirculation available for the applicator. Check for uniform air distribution throughout the potato pile.
3. Wait 24 hours before fresh air is introduced into the storage, then return the storage to "normal" operation.
4. If the potatoes are held in storage longer than originally anticipated or sprouting occurs, the potatoes may be retreated. Apply a maximum of four times during storage season.

1 cwt. = 1.67 bushels = 2.5 cubic feet; 1 bushel = 60 pounds = 1.5 cubic feet

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## STORAGE AND DISPOSAL

### STORAGE

- Keep container closed. Do not contaminate water, food, or feed by storage or disposal. This product inhibits germination of seed potatoes.

### PESTICIDE DISPOSAL

- Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### CONTAINER DISPOSAL

- Do not reuse as a container. 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.

## CONDITIONS OF SALE

D-I-1-4, Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions 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 manufacturer, and buyer assumes the risk for any such use.