

SPROUT TORCH®

Potato Sprout Eliminator
For Organic Production



Active Ingredient: Clove Oil.....100.0% (by weight) CAS No: 8000-34-8

This product can be used as an aerosol or as a spray or drip to temporarily eliminate sprouts on potatoes.

This product has not been registered by the United States Environmental Protection Agency. 1,4GROUP, Inc. represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide, and Rodenticide Act.

Keep Out of Reach of Children WARNING

First Aid

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

PERS 1-800-633-8253

(Pesticide Emergency Response System)

May be irritating to the eyes and skin. Do not get in eyes or on clothing. Wear protective eyewear (goggles or face shield). Avoid contact with skin. Wear chemical resistant gloves and coveralls or long sleeve shirt, long pants, socks, and shoes. Wash thoroughly with soap and water after handling.

If in eyes	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

Handling & Shipping Procedures

Store in tightly sealed containers in well ventilated, cool and dry area. Do not expose to temperatures above 95° F (35° C)

Net Contents 5 Gallons

Manufactured For:
1,4GROUP, Inc.
P.O. Box 860
Meridian, ID 83680-83680

Revision 082415

Directions for Use

Product should only be applied after potatoes are harvested and allowed to suberize completely. It is intended to be applied as an aerosol through forced air distribution systems for potatoes in storage; or applied as a direct spray or drip for potatoes loaded or removed from storage.

- Do not use on stored seed potatoes, i.e. potatoes destined for replanting to produce a new potato crop. Do not allow vapors to come in contact with storage areas used within 60 days for storing seed potatoes.
- Do not apply to potatoes in the field.

Forced Air Distribution Method – Potatoes in Storage

1. Prepare aerosol generating equipment. Insert aerosol generator intake hose into the product container. Set air system for recirculation.
2. Place discharge end of aerosol generator at center of plenum (air mixing chamber), pointing it in the direction of the airflow. This will ensure optimum distribution of the product throughout the ventilation system.
3. Operate recirculation fans continuously during application and for at least 1 hour after completing application (or until fog has cleared)

Ventilate the building for at least three (3) days prior to removal of potatoes from storage. To avoid irritating odors and fumes when re-entering into treated areas during application and prior to ventilation or settling of aerosol fog, workers must wear: coveralls or long-sleeved shirt, long pants, shoes plus socks, and chemical resistant (such as nitrile or butyl) gloves; face-sealing goggles, unless a full-face respirator is worn; and a respirator with an organic vapor- removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for pesticides (MSHA/NIOSH approval number prefix TX-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE pre-filter.

Line Spray or Drip Method

1. Prepare application equipment. Insert injection intake hose into the product container.
2. Apply product uniformly across moving potatoes on conveyor or roller belt. Obtain maximum coverage of entire potato by applying product on rolling or tumbling potatoes.

Recommended Application Rates

Aerosol Method – in Storage: Apply an initial dose of 1 gallon of product per 1,750 cwt potatoes when at least one sprout “peep” per tuber is observed on stored potatoes. Re-application can be made at any time, as needed, and is suggested at rates of 1 gallon per 3,500 cwt to 1 gallon per 1,000 cwt.

Line Spray or Drip Method: Apply as needed at a suggested rate of up to 1 gallon of product per 5,000 cwt of potatoes. Higher rates will add stronger clove odor to potatoes.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE

- Keep container closed. This product kills sprouts and temporarily inhibits germination of seed potatoes.

PESTICIDE DISPOSAL

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

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. Do not reuse empty container.

CONDITIONS OF SALE

1,4Group, 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. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 1,4GROUP, INC. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, WARRANTY OF MERCHANTABILITY OR THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 1,4GROUP, INC., DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICED PAID OR AT 1,4GROUP, INC.'S ELECTION REPLACEMENT OF THE PRODUCT.

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