



**FOR USE AS A POTATO SPROUT INHIBITOR**  
**For Indoor Use Only**

**FOR USE THROUGH FOGGING EQUIPMENT ONLY**

<b>Active Ingredient: 3-decen-2-one.....</b>	<b>98.0%</b>
<b>Inert Ingredients.....</b>	<b>2.0%</b>
<b>TOTAL</b>	<b>100.0%</b>

Contains 7.05 lbs (3.2kg) 3-decen-2-one per gallon

**KEEP OUT OF REACH OF CHILDREN**  
**WARNING - AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

<b>FIRST AID</b>	
<b>If on skin</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• 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 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 five 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.</li> <li>• 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 treatment advice.</li> </ul>
<b>EMERGENCY INFORMATION</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:</b>	
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	

**EPA Reg. No.:** 5481-571

**EPA Est. No.:** 5481-ID-001

**Net Contents:** As marked on container

**Manufactured by:**

AMVAC Chemical Corporation  
4100 E. Washington Boulevard  
Los Angeles, CA 90023 U.S.A.  
1-888-462-6822

**Batch Code:**

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**WARNING:** Causes skin irritation and substantial but temporary eye injury. Harmful if inhaled. Do not get on skin or on clothing. Avoid contact with eyes. Avoid breathing vapor.

Personal Protective Equipment (PPE):

Wear coveralls worn over long sleeve shirt and long pants, socks, chemical resistant footwear, chemical-resistant gloves, goggles, face shield, or shielded safety glasses and respirator. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

### ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

### DIRECTIONS FOR USE

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

#### Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are **not** within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried or dusts have settled. Do not enter the treatment area during application. Unless equipped with the required PPE, do not reenter the treatment area for 24 hours (Restricted-entry interval: 24 hours) after treatment and until the ventilation period is completed. PPE required is: coveralls worn over long sleeve shirt and long pants, socks, chemical resistant footwear, chemical-resistant gloves, goggles, face shield, or shielded safety glasses and a NIOSH approved respirator with any N, R, P or HE filter (or MSHA/NIOSH approval number prefix TC-21C).

**General:** SmartBlock provides effective long-term sprout control by destroying the growing meristem of sprouting potato tubers and "burning off" sprouts. Further sprouting of potatoes is prevented for up to three (3) months or more depending on variety, sprout length, use rate and storage conditions.

## **Use Precautions:**

- Do not make applications to potatoes in the field.
- Do not use on seed potatoes. Do not allow the thermal fog to come into contact with or to enter areas used for storage of seed potatoes, potato handling or cutting equipment. Seed potatoes can be safely stored in potato storage which were previously treated with SmartBlock only after full ventilation and clean out procedures have been followed. The air system including ducts, plenums and the storage building itself must be thoroughly ventilated prior to storing seed potatoes.
- Follow all application equipment manufacturers' use directions.
- Do not enter the treatment area during application. Unless equipped with the required PPE, do not reenter the treatment area for 24 hours after treatment and until the ventilation period is completed. Continue to run ventilation fans as necessary to introduce fresh air into the storage.

## **Directions for Use:**

SmartBlock can effectively leverage the natural dormancy of potatoes when used according to label directions. SmartBlock is generally used just prior to or during the time when the tuber dormancy period is ending. An application should preferably be made when the tubers display "peeping" sprouts but more advanced sprouting can also be treated and controlled (see Sprout Control Programs below). The interval between harvest and the onset of sprouting is dependent on the cultivar and storage temperature.

The preferred method of application is through standard aerosol (thermal fogging) equipment. Thermal fogging provides the most efficacious and consistent sprout control.

Excellent movement of the fog or vapor through the potato pile is also important for consistent efficacy.

## **Procedure for Thermal Fogging with SmartBlock:**

1. Calculate the quantity of SmartBlock required based on total tonnage and condition of tubers in storage prior to application.
2. Prepare aerosol/fog/vapor generating equipment and insert intake hose into the container with SmartBlock.
3. Configure settings such that the ventilation fans are set at proper speeds to re-circulate with adequate pressure to move the fog or vapor through the potato pile. Turn off all humidifier units and ensure a good seal of the storage to prevent leakage. These steps will ensure good distribution of SmartBlock inside the storage.
4. Place the exhaust end of the aerosol/fog or vapor generator into the air mixing chamber. Potato storages vary greatly in design and air movement patterns. It is therefore advisable to work with your local custom applicator to ensure accurate applications under optimal conditions are made.
5. Adjust flow rate of SmartBlock through the equipment to match the appropriate fogging temperature. Do not allow the product to dribble out at the introduction point. Important: Follow all equipment safety precautions.
6. For best results, restrict or avoid intake of outside air into the storage during SmartBlock application.

7. Turn on the fogging equipment and allow the SmartBlock aerosol, fog or vapor into the storage facility's mixing chamber or plenum. Operate the ventilation fans to cycle and recirculate the fog through the pile for up to 24 hours. For processing varieties, recirculating vapor for a period of 8 to 12 hours may be adequate prior to resuming the normal ventilation schedule.
8. After the recirculation period is complete, return the ventilation system to the desired operational mode and allow fresh air or outside air into the potato storage facility.
9. Within 1-5 days following application, buds or sprouts on tubers should exhibit a blackened or "burnt" appearance. However, depending on the potato variety, sprout size and use rate of SmartBlock, it may take up to 7 to 10 days after treatment to observe full effects (including extended shelf life of tubers).

### **Sprout Control Programs with SmartBlock:**

#### **General Use Directions**

SmartBlock treatments should preferably be made towards the end of tuber dormancy and to effectively leverage the natural, sprout-free dormancy period. Non-sprouting tubers may also be treated in anticipation of dormancy break as well. For best results, make the first application when approximately 75% of tubers show visible signs of sprouting (peeping) or exhibit signs of early dormancy break (swollen buds). A SmartBlock treatment program can effectively provide season-long sprout control. SmartBlock potatoes can be removed or unloaded from storages and shipped 24 hours after ventilation is resumed. For full effect, unload the storages 7 to 10 days after treatment to ensure that sprouts are sufficiently blackened and adequate shelf life is achieved.

#### **Combinations of SmartBlock with other Sprout Control Products:**

SmartBlock can also be used effectively with other sprout control products such as chlorpropham (CIPC). DO NOT use in combination with dimethyl naphthalene (DMN). When mixing with CIPC, or other sprout control products, especially during the early period of the storage season, or as part of a planned sequential program, lower rates of SmartBlock may be used. Follow all product label instructions and use precautions. Consult your local custom applicator for more information.

##### **(i) Sprout Control in Potatoes undergoing Reconditioning:**

When stored at low temperatures, reducing sugars increase in tubers and decrease the fry quality of potatoes. Such tubers can be reconditioned by raising the storage temperature and lower reducing sugar content. Such conditions, however, favor sprouting. SmartBlock can be used effectively to burn off sprouts during the reconditioning phase prior to shipment. For best results, do not allow sprouts to exceed 1 inch (2.5 cm) on average, at the time of treatment.

##### **(ii) Rescue of Potatoes with Excessive Sprouting in Storage:**

In cases where storage conditions lead to undesirable sprouting, especially during late in the storage cycle, SmartBlock can be effectively used to "burn off" sprouts which on average, measure up to 1 inch (2.5 cm) and restore dormancy.

**Application Rate:** Apply SmartBlock up to a maximum of 4.20 fl. oz. per ton or 0.21 fl. oz./cwt potatoes. One gallon of SmartBlock will treat 610 cwt. potatoes at the maximum use rate. Reapply SmartBlock as needed. Use lower rates when sprouts are small or when a shorter period of sprout control is acceptable or when used in combination with other sprout control products.

**Minimum re-application interval is 7 days.**

**Do not apply more than 16.8 fl. oz./ton potatoes (0.84 fl. oz./cwt) per storage season.**

### **STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in cool dry area.

**Pesticide Disposal:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable Container. Do not reuse or refill this container. Then offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, 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 upon reports of field experience. Tests have not been made on all varieties of potatoes, or in all states or under all conditions.

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