

ACETO SHIELD PELLETS

AEROSOL GRADE – POTATO SPROUT INHIBITOR

ACTIVE INGREDIENT:	By Weight
Chlorpropham* (Isopropyl N-(3-chlorophenyl) carbamate)	98.0%
OTHER INGREDIENTS	2.0%
TOTAL	100.0%

*Contains 9.8 pounds active ingredient per 10 pounds

FOR AGRICULTURAL USE ONLY
KEEP OUT OF REACH OF CHILDREN
CAUTION
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION. Harmful if swallowed or absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing vapor. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

Aceto Life Sciences, L.L.C. Phone: (516) 627-6000

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category A on the EPA chemical resistance category selection chart.

Applicators and other handlers must wear: chemical resistant gloves (such as nitrile, butyl, neoprene, and/or barrier laminate). From the start of application and continuing until the ventilation requirements listed on this labeling have been completed, for entry into the enclosed treated area, handlers must wear chemical resistant gloves, a long-sleeve shirt, long pants, shoes and socks, and a respirator. The following type of respirator is appropriate to mitigate chlorpropham inhalation exposure:

- A dust/mist filtering respirator (MSHA/NIOSH approval number prefix TX-21C).
- If the enclosed area contains less than 19.5 percent oxygen, the respirator must be one of the following types:
 - A supplied-air respirator (MSHA/NIOSH approval number prefix TC-19) OR a self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TX-13F).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE). If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Workers must wear: chemical resistant gloves (such as nitrile, butyl, neoprene, and/or barrier laminate) while handling potatoes which are wet.

FIRST AID	
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 by a poison control center or doctor.
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 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.
If Inhaled	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	

User Safety Recommendation:

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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

EMERGENCY INFORMATION

For spill, leak, fire, exposure or accident call CHEMTREC © 1-800-424-9300. Outside the USA 1-703-527-3887

ENVIRONMENTAL HAZARDS:

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge.

Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

DIRECTIONS FOR USE:

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

Entry Restrictions:

For aerosol or forced-air distribution applications:
 Do not enter or allow any person, other than a person equipped with the appropriate handler personal protective equipment including the appropriate respirator, to enter the treated area until the area has been ventilated. Ventilation may be for either a total of two (2) hours with fans or other mechanical ventilation or four (4) hours with windows, vents, or other passive ventilation, or until such time that there have been 10 complete air exchanges. The ventilation time may be interrupted, i.e., the time may be accumulated at sporadic intervals, such as 15 minutes of ventilation followed by a period with no ventilation, until the total required ventilation time has accumulated.

NOTICE:

- If entry into the storage area is necessary during or immediately following application before the fog has settled and required ventilation has occurred, protective clothing and respirators must be worn as listed under the **PERSONAL PROTECTIVE EQUIPMENT (PPE)** above.
- ACETO SHIELD PELLETS** is used as an aerosol for treating potatoes for sprout inhibition during storage.
- Do not apply in the field.
- Do not use on seed potatoes.
- Do not allow vapors to come in contact with storage areas used for seed potatoes.
- Let six months elapse before using treated storage area for seed potatoes. All system components (including ducts) and building must be thoroughly cleaned before area is used for storage of seed potatoes.
- ACETO SHIELD PELLETS** will prevent periderm formation of potatoes, therefore, it must be used only after bruises and cuts have healed (normally minimum two weeks).

FORCED AIR DISTRIBUTION METHOD

- Place **ACETO SHIELD PELLETS** in melting chamber of application unit and connect aerosol generator intake hose to chamber.
- Set air ducts for recirculation.
- Place exhaust end of aerosol generator at center of plenum (air mixing chamber) pointing it in direction of air flow. This will assure the best possible distribution of **ACETO SHIELD PELLETS** throughout the duct system.

APPLICATION

Many factors can affect the ability to store potatoes in a dormant, sprout-free condition. Some factors include, temperature at harvest, potato variety, storage temperature and storage duration. Prior to selecting whether to use a rate of 1 pound per 600 hundred weights (60,000 lbs.) or 2 pounds/600 hundred weights (60,000 lbs.), consult with a University/USDA Extension Potato Specialist and/or your Professional **ACETO SHIELD PELLETS** Applicator.

- Application of **ACETO SHIELD PELLETS** can be made anytime after the curing period and before sprouting of potatoes occurs.
- Select the proper application rate based upon Storage Temperature and Storage Time from the table below based upon the recommendations of the University/USDA Extension Potato Specialist and/or your Professional **ACETO SHIELD PELLETS** Applicator.
- Once opened use the entire contents of the container.

1 bushel = 60 pounds = 1.6 cubic feet; 1 cwt = 1.67 bushels = 2.5 cubic feet; 2,000 pounds = 20 cwt = 33.4 bushels = 83.5 cubic feet
 Application of **ACETO SHIELD PELLETS** can be made anytime after the curing period and before sprouting of potatoes occurs.

RECOMMENDED CHLORPROPHAM RATE

To calculate the rate needed use the following formula.
 % of Standard Application

Rate (2 X T) + [(5 X M) - 5]
 Where: Standard Application Rate 1 pound active ingredient/
 600 cwt or 2 pounds active ingredient/600 cwt
 T = Storage Temperature
 M = Number of Months Storage Time

Example Calculation (Potatoes stored at 45°F for six (6) months)
 Required Rate = (2 X 45) + [(5 X 6) - 5] = 115%

When treating long-term storage potatoes, the Standard Application Rate 1 pounds active ingredient/600 cwt. (60,000 lbs.) can be raised to 2 pounds active ingredient/600 cwt. (60,000 lbs.).

The maximum application for either a single treatment or the total amount of chlorpropham applied via aerosol fog to potatoes destined for fresh market is 145% of the label's 2 pound rate or 2.9 pounds per 600 cwt.

The maximum application for either a single treatment or the total amount of chlorpropham applied via aerosol fog to potatoes destined for processing is 165% of the label's 2 pound rate or 3.3 pounds per 600 cwt.

TIME MONTHS	STORAGE TEMPERATURE				
	40°F	45°F	50°F	55°F/1	60°F/1
1	80%	90%	100%	110%	120%
2	85%	95%	105%	115%	125%
3	90%	100%	110%	120%	130%
4	95%	105%	115%	125%	135%
5	100%	110%	120%	130%	140%
6	105%	115%	125%	135%	145%
7	110%	120%	130%	140%	150%
8	115%	125%	135%	145%	155%
9	120%	130%	140%	150%	160%
10	125%	135%	145%	155%	165%

Chart assumes treatment soon after suberization time.
 F/1-Rates for 55°F and 60°F are for processing potatoes only.

Extended Storage - If it becomes necessary to increase the storage duration and/or storage temperature, potatoes will tend to break dormancy and begin sprouting and retreatment may be necessary. Using the above chart, the retreatment dosage is equal to the total amount required for the extended storage time less the amount used for the original storage time. For example, potatoes stored at 45°F were treated based on a two (2) month storage period. A decision was made to extend storage to five (5) months (three months in addition to original 2 months). The total extended storage would require a total of 110% of the standard rate; the original treatment would have used 95% of the standard rate. In this case, retreatment would require 15% (110%-95%) of the standard treatment.

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Pesticide wastes are toxic. 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. Offer for recycling, if available.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Life Sciences, L.L.C.. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

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Net Contents:

10 lbs

EPA REG.NO: 2749-520

Batch code: see package

EPA EST. NO 082710-GBR-002

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Made in England