

2749-520

11/10/2005

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CIPC 98A

Aerosol Grade - Potato Sprout Inhibitor

By Weight

ACTIVE INGREDIENT:

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. Wear long-sleeved shirt and long pants, socks and shoes, and chemical resistant gloves (such as nitrile, butyl neoprene, and/or barrier laminate). Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

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

EMERGENCY INFORMATION

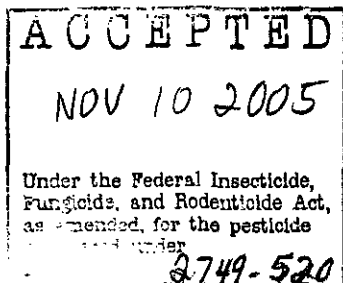
For spill, leak, fire, exposure or accident call CHEMTREC 1-800-424-9300

Net Contents : 10 lbs

EPA REG.NO: 2749-520

EPA EST. NO

Manufactured For:
Aceto Agricultural Chemicals Corporation
One Hollow Lane
Lake Success, NY 11042
Phone: 516-627-6000



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DIRECTIONS FOR USE:

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

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 a long-sleeve shirt, long pants, shoes and socks, and a respirator. The following type of respirator is appropriate to mitigate chlorpropham inhalation exposure when the end-use product does not contain an inert ingredient which has a low vapor pressure:

- 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-19C) OR a self-contained breathing apparatus (SCUBA) (MSHA/NIOSH approval number pre fix 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.

User Safety Recommendations:

Users should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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.

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.

ENVIRONMENTAL HAZARDS

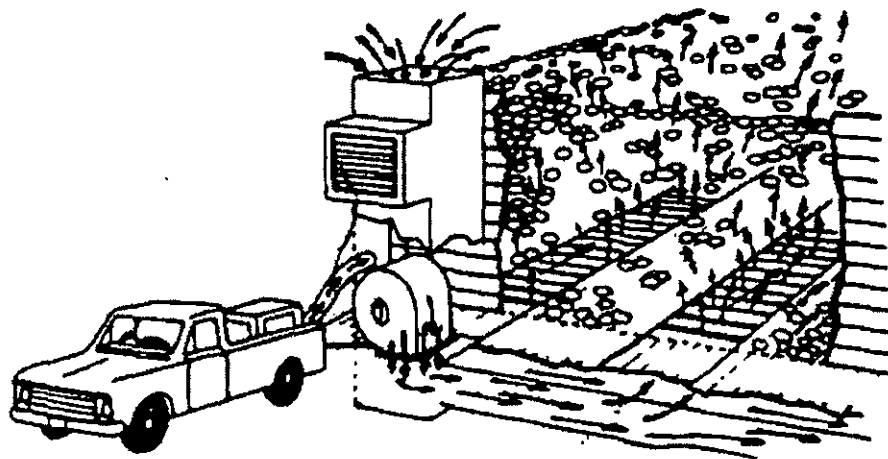
This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified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

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.
- CIPC 98A is used as an aerosol for treating potatoes for sprout inhibition during storage.
- If entry into the storage area is necessary during or immediately following application before the fog has settled, protective clothing and respirators must be worn.
- Do not apply in the field.
- 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. All system components (including ducts) and building must be thoroughly cleaned before areas is used for storage of seed potatoes.
- CIPC 98A will prevent periderm formation of potatoes, therefore, it should be used only after bruises and cuts have healed (normally minimum two weeks).

FORCED AIR DISTRIBUTION METHOD

1. Assemble unit as shown. Insert aerosol generator intake hose in CIPC 98A container.
2. Set air ducts for recirculation.
3. 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 CIPC 98A throughout the duct system.



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

Prior to placing the potatoes in the area to be treated, make the following preparations:

1. On the floor of the area, install an air duct approximately 12 inches by 12 inches running the length or width of the potato pile leaving a false wall space at both ends for air circulation. The ducts should be spaced 10 to 12 feet apart and can be perforated metal pipe, slotted wood construction or if the potatoes are in bags, by bridging a 12 inch space between two rows of bags in the bottom layer with bags placed crosswise of the space.
2. At the end of each duct in the false wall space where the fog is to be introduced, place a squirrel cage fan positioned to force air through the duct. The exit end of the duct must be blocked to force the air up through the piled potatoes.

When the area is filled and ready to treat, the following steps should be taken:

- a. Close off any ventilating systems
- b. Start the squirrel cage fans
- c. Introduce the fog as near as possible to the bottom of the false wall space containing the fans.
- d. Operate the fans until the fog has settled
- e. Reactivate the ventilation systems 4 hours following application or when the fog has settled.

Note: When treating small areas such as trailer trucks or railroad cars, it is recommended that low volume aerosol generators such as a "Swing Fog" is to be used.

APPLICATION

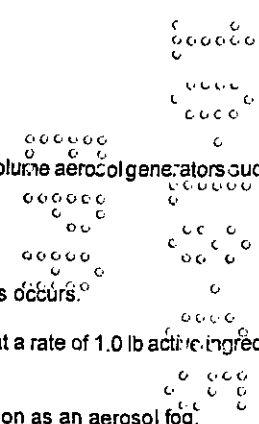
Application of CIPC 98A can be made anytime after the curing period and before sprouting of potatoes occurs.

One gallon of CIPC 98A is normally enough to treat 5880 cwt (9800 bushels) of stored potatoes. Apply at a rate of 1.0 lb active ingredient per 600 cwt (1000 bushels) of potatoes (see table below for conversion).

Do not apply more than 165% or 0.0275 lbs of chlorpropham per 1000 lbs of potatoes in any one season as an aerosol fog.

Once opened use the entire contents of the container.

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



RECOMMENDED CHLORPROPHAM RATE

To calculate the rate needed use the following formula. % of Standard Application Rate $(2 \times T) + [(5 \times M) - 5]$

Where: Standard Application Rate 1 pound 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 = $(2 \times 45) + [(5 \times 6) - 5] = 115\%$

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%	115%	120%	130%	140%
6	105%	120%	125%	135%	145%
7	110%	125%	130%	140%	150%
8	115%	130%	135%	145%	155%
9	120%	135%	140%	150%	160%
10	125%	140%	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 the potatoes are hold in storage longer than originally anticipated, the potatoes may be retreated. 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.

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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: Do not reuse the container. Triple rinse (or equivalent). Then offer for recycling or reconditioning; or puncture and dispose of in sanitary landfill, or by other procedures approved by state and local authorities.

CONDITIONS OF SALE

ACETO 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.

