

2012-05-14  
2012-0688

GROUP 1B INSECTICIDE

THIMET™ 15-G LOCK'n LOAD  
SOIL AND SYSTEMIC INSECTICIDE

GRANULAR

(Mesh 710/300 µm)

contains phorate

RESTRICTED

(NOT FOR USE IN BRITISH COLUMBIA)

GUARANTEE: phorate 15%

REGISTRATION NO.10532 PEST CONTROL PRODUCTS ACT



D A N G E R                      P O I S O N

IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY  
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT

**1-888-462-6822**

KEEP OUT OF REACH OF CHILDREN  
READ THE LABEL AND BROCHURE BEFORE USING

NET CONTENTS: 20 kg

**Amvac Chemical Corporation**  
**4100 E. Washington Blvd.**  
**Los Angeles, CA 90023**  
**USA 1-888-462-6822**

**THIMET™ and Lock'n Load™ are registered trademarks of Amvac Chemical Corporation, used under license by Amvac Chemical Corporation**

## NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offence under the *Pest Control Products Act* to use a control product under unsafe conditions.

### NATURE OF RESTRICTION:

- This product is to be stored and displayed APART from food and feed.
- Wear chemical resistant gloves and chemical resistant apron or chemical resistant coveralls while loading product.
- Do not handle product with bare hands.
- Do not breathe dust. Use of a dust mask is recommended when handling this product. A dust mask cannot be worn instead of a respirator when it is required.
- For use ONLY in potato fields where wireworm populations have been observed.
- This product is ONLY for retail sale to and use by individuals holding an appropriate pesticide applicator certificate or license recognized by the provincial/territorial pesticide regulatory agency where the pesticide application occurs.
- For use only in hoppers equipped for Lock'n Load containers to maintain a closed application system.
- To be applied using a closed cab applicator. Where closed cabs are not available, applicators should wear additional personal protective equipment and clothing (chemical resistant coveralls over long pants and long sleeves, chemical resistant gloves and a respirator). This is applicable to all persons present during application operations, including those on the planting equipment.
- Cover granules that may be exposed on the ends of the treated rows, turns and field loading areas. Product should be applied with a granular pesticide applicator properly calibrated to ensure accurate placement and rate. Prevent the unintended release of granules when moving equipment by ensuring hopper has a tight fitting cover and ensure that the flow of granules is turned off.
- NOT TO BE APPLIED BY AIRCRAFT.
- Do not use in British Columbia.

## PRECAUTIONS



D A N G E R

KEEP OUT OF REACH OF CHILDREN

POISONOUS BY SKIN CONTACT, INHALATION OR SWALLOWING

## RAPIDLY ABSORBED THROUGH SKIN

REPEATED INHALATION OR SKIN CONTACT WITH THIMET 15-G, OTHER ORGANOPHOSPHOROUS OR CARBAMATE INSECTICIDES MAY, WITHOUT SYMPTOMS, PROGRESSIVELY INCREASE SUSCEPTIBILITY TO POISONING.

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

### **Personal Protective Equipment (PPE):**

See Engineering Controls for additional requirements.

Mixers and loaders must wear the following during loading, clean-up and repair activities:

- Chemical resistant apron or chemical resistant coveralls
- Chemical resistant gloves

### **Engineering Controls:**

Applicators must be in fully enclosed cabs or if not in fully enclosed cabs, applicators must wear additional personal protective equipment and clothing. This is applicable to all persons present during application operations, including those on the planting equipment:

- Chemical resistant coveralls over long pants and long sleeves
- Chemical resistant gloves
- Respirator (respirators can have either an organic vapour-removing cartridge with a pre-filter approved for pesticides (MSHA/NTOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NTOSH approval number prefix TC-14G). A dust mask cannot be worn instead of a respirator.

Ask dealers about suitable types of respirators.

### **Restricted Entry Interval (REI):**

- Do not enter or allow workers to enter into treated areas during the restricted entry interval (REI) of 48 hours.

DO NOT HANDLE THIMET 15-G WITH BARE HANDS. The chemical resistant gloves should be washed with soap and water after each use. Do not wear the same gloves for other work. Destroy and replace gloves frequently. Wear freshly-laundered, long-sleeved work clothing daily. DO NOT BREATHE DUST.

In case of contact, immediately remove contaminated clothing and wash skin thoroughly with soap and water. Launder clothing before re-use. Wash thoroughly with soap and water before eating, drinking and smoking. Bathe at the end of the work day and change outer clothing.

DO NOT CONTAMINATE FOOD AND FEED PRODUCTS.

KEEP ALL UNPROTECTED PERSONS OUT OF OPERATING AREAS.

NOT FOR USE OR STORAGE IN OR AROUND THE HOME. This product is to be stored or displayed AWAY from food and feed.

KEEP OUT OF REACH OF DOMESTIC ANIMALS.

Do not contaminate any body of water nor apply to any area not specified on the label.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., contact [www.croplife.org](http://www.croplife.org).

## ENVIRONMENTAL HAZARDS

This product is HIGHLY TOXIC TO BIRDS, small mammals, fish and aquatic invertebrates. Its use poses a high risk to these species as has been documented by incident reports of adverse effects. One granule is sufficient to kill a small bird or small mammal. If an adverse effect on birds or mammals is observed or suspected, please submit a Pesticide Voluntary Incident Reporting Form (available on Health Canada's PMRA website) directly to Health Canada. To obtain assistance, please call 1-800-267-6315. To minimize risks:

- Cover granules that may be exposed on the ends of the treated rows, turns and field loading areas. Prevent the unintended release of granules when moving equipment by ensuring hopper has a tight fitting cover and ensure that the flow of granules is turned off.
- Apply with a granular pesticide applicator properly calibrated to ensure accurate placement and rate.
- If spill occurs on the ground, collect the material immediately and dispose of it as described in **PROCEDURE FOR DECONTAMINATION OF SURFACES** section of the label.
- Do not apply at rates higher than those listed on the product label.
- For use ONLY in potato fields where wireworms have been observed.
- This product is ONLY for retail sale to and use by individuals holding an appropriate pesticide applicator certificate or license recognized by the provincial/territorial pesticide regulatory agency where the pesticide application occurs.
- Insecticide use should be based on an IPM program that includes scouting and record keeping, and considers cultural, biological and other chemical control practices. Crop rotation with barley may promote wireworm populations, please consult with provincial/regional crop specialists to determine potential crop rotation options.

## DISPOSAL AND DECONTAMINATION INSTRUCTIONS

### WARNING

Since alcohols are involved in the decontamination procedure AVOID smoking, open flames and sparks in the operating area.

Keep unprotected persons out of the contaminated area.

## **PROCEDURE FOR DECONTAMINATION OF SURFACES**

1. To minimize dust formation, cover spilled granules with an absorbent material such as sweeping compound. Sweep up the granules and place in a tightly closed labelled container. Store in a secure place away from food, feed and access to children. Contact Amvac Chemical Corporation or the provincial regulatory agency to obtain details on how to detoxify product.
2. Dispose of broken containers in accordance with provincial requirements but **DO NOT BURN**. Dispose of empty alternate containers in accordance with provincial requirements.
3. Wash the surface with a bleach decontamination solution prepared by mixing nine (9) litres water with one (1) litre commercial bleach and one-half (0.5) litre of rubbing alcohol. Rinse with clean water. Clean up the liquid with absorbent material such as sawdust, sweeping compound, rags or other materials.
4. Repeat the washing with the bleach solution and water and clean up the liquid as instructed in point 3.
5. Dispose of the contaminated absorbent material in accordance with provincial requirements.
6. Wash disposal equipment with the bleach decontamination solution and rinse with clean water.
7. If spill occurs on the ground, collect the material and dispose of it as described in point 1. Treat the affected area with the decontamination solution and cover with clean soil.

## **DISPOSAL**

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.



**POISON**

## **FIRST AID**

ATROPINE IS AN ANTIDOTE

CALL A PHYSICIAN OR POISON CONTROL CENTRE IMMEDIATELY IN ALL CASES OF SUSPECTED POISONING.

**If swallowed**, drink one or two glasses of water and INDUCE VOMITING by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**If inhaled**, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen.

**In case of contact**, IMMEDIATELY flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before re-use. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

## **TOXICOLOGICAL INFORMATION**

WARNING SYMPTOMS include weakness, headache, tightness of chest, blurred vision, nonreactive pinpoint pupils, salivation, sweating, nausea, vomiting, diarrhea and abdominal cramps.

TREATMENT: Give atropine intramuscularly or intravenously depending on severity of poisoning, 2 to 4 milligrams every 10 minutes until fully atropinized as shown by dilated pupils, dry flushed skin and tachycardia. Twenty or thirty milligrams, or more may be required during the first 24 hours. Never give opiates, phenothiazine, tranquilizers or other depressants. Clear chest by postural drainage. Artificial respiration or oxygen administration may be necessary.

Observe patient continuously for at least 48 hours. Repeated exposure to cholinesterase inhibitors may, without warning cause increasing susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure to any cholinesterase inhibitor until cholinesterase regeneration has taken place as determined by blood tests. Pralidoxime chloride (2-PAM: PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to label directions.

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Pralidoxime chloride (2-PAM: PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to label directions.

**RESTRICTED USES: FOR USE ON POTATOES ONLY**

THIMET 15G soil and systemic insecticide should be applied with a granular pesticide applicator properly calibrated to ensure accurate placement and proper dosage.

<b>SITE</b>	<b>PESTS</b>	<b>RATE Grams Product/ 100 M</b>	<b>APPLICATION</b>
Potato	Wireworm	140 in sandy or light soil  215 in silt or heavy soils	Distribute the granules evenly in the furrow or granules may be banded on each side of the row at planting time.  Do not use in muck soils.  Do not apply later than at planting time.  Do not harvest potatoes before 90 days after planting time.

**THE TABLE BELOW OUTLINES APPLICATION RATES AT VARIOUS ROW SPACING**

Minimum row spacing to be used is 81 cm (32 inches). If narrower row spacing is to be used, the maximum application rate of product in sandy/light soil is 17.2 kg/ha, and in silt/heavy soils is 26.5 kg/ha.

**THIMET 15G SOIL AND SYSTEMIC INSECTICIDE APPLICATION RATE**

POTATOES	140 g/100 m of row in sandy or light soil			
Row Spacing kg/hectare	95 cm 14.7	85 cm 16.5	80 cm 17.5	81 cm 17.2
	215 g/100 m of row in silt or heavy soils			
Row Spacing kg/hectare	95 cm 22.6	85 cm 26.3	80 cm 26.9	81 cm 26.5

## **RESISTANCE-MANAGEMENT RECOMMENDATIONS**

For resistance management, please note that THIMET 15G soil and systemic insecticide contains a Group 1B insecticide. Any insect population may contain individuals naturally resistant to THIMET 15G soil and systemic insecticide and other Group 1B insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance:

- Where possible, rotate the use of THIMET 15G soil and systemic insecticide or other Group 1B insecticides with different groups that control the same pests in a field.
- Use tank mixtures with insecticides from a different group when such use is permitted.
- Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices.
- Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance, contact Amvac Chemical Corporation at 1-888-462-6822.

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This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not **liable for any loss resulting, directly or indirectly, from reliance upon this service.**