

# Fumigation Management Plan (For Burrowing Rodent Control)

For use with the brands Phostoxin®, Detia-Phos® and Fumitoxin® only

**Preliminary Planning & Preparation**

A Fumigation Management Plan (FMP) is an organized, written description of the required steps involved to help ensure a safe, legal, and effective fumigation. It will also assist you and others in complying with pesticide product label requirements. Before any fumigation begins, carefully read and review the label and the Applicator's Manual. This information must also be given to the appropriate company officials (supervisors, foreman, safety officer) in charge of the site. Preparation is the key to any successful fumigation. The success of the fumigation is not only dependent on your ability to do your job but also upon carefully following all rules, regulations, and procedures required by governmental agencies. THE USE OF METAL PHOSPHIDE FUMIGANTS IS STRICTLY PROHIBITED WITHIN 100 FEET OF ANY BUILDING WHERE HUMANS AND/OR DOMESTIC ANIMALS DO OR MAY RESIDE, ON SINGLE OR MULTI-FAMILY RESIDENTIAL PROPERTIES AND NURSING HOMES, SCHOOLS (EXCEPT ATHLETIC FIELDS), DAYCARE FACILITIES AND HOSPITALS.

A Fumigation Management Plan is required TO BE COMPLETED AND PROVIDED TO THE CUSTOMER PRIOR TO the fumigation application.

What is the purpose of the fumigation?  Elimination of vertebrate pests

What type of fumigation is it?  Rodent Burrow

Area to be fumigated:

Fully describe the fumigation area, and draw a diagram, including adjacent buildings and critical areas nearby:

Diagram

Previous treatment history:


**Accessibility of utility service connections:**

Emergency shut-off stations for electricity, water and gas Show on Diagram  
 Nearest telephone or other means of communication Show on Diagram

Persons who routinely enter area to be fumigated (employees, visitors, customers, etc.)

List of people:

Emergency contact number of applicator(s):

Name:	Phone Number Day/Night

Emergency phone numbers of local health, fire, police, hospital, etc.:


Emergency Response Plan:

Review Applicator's Manual and MSDS:

- Reviewed Emergency Response Plan with employees
- Phostoxin pellets & tablets, EPA Reg. No. 72959-4 tablets, 72959-5 pellets
- Detia-Phos pellets & tablets, EPA Reg. No. 72959-4 tablets, 72959-5 pellets
- Fumitoxin pellets & tablets, EPA Reg. No. 72959-1 tablets, 72959-2 pellets
- Required information given to property tenant or homeowner

MSDS, Applicator's Manual, and Fumigation Management Plan given to tenant or occupant on property

# Fumigation Management Plan

## (For Burrowing Rodent Control)

Application:

This product must be used out-of-doors only for control of burrowing pests and for use on agricultural areas, orchards, non-crop areas (such as pasture and rangeland), golf courses, athletic fields, airports, cemeteries, rights-of-way, earthen dams, parks and recreational areas, other non-residential institutional or industrial sites and on residential or other commercial properties in accordance with the following directions: **Metal phosphide fumigants must not be applied into a burrow system that is within 100 feet of a building where humans and/or domestic animals do or may reside, on single or multi-family residential properties and nursing homes, schools (except athletic fields), daycare facilities, hospitals and other commercial buildings that are regularly occupied.**

Endangered species considered:  Endangered species list received and reviewed  
 See Applicator's Manual for the list of endangered species  Endangered species are not being controlled  
 Environmental Hazards:  Environmental Hazards: This product is very highly toxic to wildlife. Non-target organisms exposed to phosphine gas will be killed. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate water by cleaning of equipment or disposal of wastes.

Product Used:  Phostoxin pellets & tablets, EPA Reg. No. 72959-4 tablets, 72959-5 pellets  
 Detia-Phos pellets & tablets, EPA Reg. No. 72959-4 tablets, 72959-5 pellets  
 Fumitoxin pellets & tablets, EPA Reg. No. 72959-1 tablets, 72959-2 pellets

Rate of Application  Rate:

**For species with open burrow systems:** locate all entrances to each burrow system. Treatment of more than one entrance in a system is often desirable as systems often overlap and are not defined. Treat all entrances except for those entrances you are sure connect to already treated entrances. Insert 2 to 4 tablets or 10 to 20 pellets into each entrance to be treated. Use the lower rates for smaller burrows and/or when soil moisture is high. Use higher rates for larger burrow systems and when soil moisture is relatively low. Pack each treated entrance with crumpled paper and shovel soil to completely cover the paper. Using crumpled paper will prevent soil from covering the tablets or pellets and slowing down their action. Rocks, clods of soil, cardboard, etc. may also be used for this purpose. Be sure to seal all untreated entrances by shoveling and packing soil and/or sod to completely seal the opening. Inspect treated areas 1 or 2 days following treatment for signs of residual activity of target species. Treat all reopened burrows in the same manner prescribed above. **For species with closed burrow systems:** (pocket gophers and moles in some situations). Locate the main underground runway by probing with a smooth-sided rod 12 to 18 inches from a fresh mound. For pocket gophers, begin probing on the flat side of the mound. A sudden reduction in soil resistance to the probe indicates that the main runway has been located. Once the main runway is located, remove the probe and apply 2 to 4 tablets or 10 to 20 pellets through the probe hole. Adjust treatment rate according to the level of soil moisture, using more pellets or tablets if the soil is relatively dry. Do not treat if soil is extremely dry or if there are no signs of recent gopher or mole activity. Make a tight seal to close probe hole by using a clod of soil or a sod plug to cover the hole or by using the heel of your shoe to push sod and/or soil over the surface opening. If the probe hole is more than one inch in diameter, place crumpled paper in the hole before closing it with soil and/or sod. Two days after treatment, you may check area for residual pest activity by opening holes in main run- ways of burrow systems, flagging holes and inspecting them two days later. You should retreat all reclosed systems, on both sides of the plug.

Soil Type: \_\_\_\_\_  
 Ambient Temperature: \_\_\_\_\_  
 Approximate Soil Moisture: \_\_\_\_\_  
 Wind Speed: \_\_\_\_\_  
 Acreage or Square Footage Treated: \_\_\_\_\_

Sealing Procedure:  List sealing procedures and methods:

Personal Protective Equipment & Gas Detection  Respiratory protection available at the job site  
 See Applicator's Manual for specific requirements for  Gas detection equipment available at the job site  
 respiratory protection  Cotton or leather-faced cotton gloves  
Type of respirator:  Long-sleeved, long-pants, socks and shoes  
Type of detection equipment: \_\_\_\_\_

Danger Signs  Proper danger signs posted  
 A. When this product is used in athletic fields or parks, the applicator shall post a sign at entrances to the treated site containing the signal word DANGER/PELIGRO skull and crossbones, the words: DO NOT ENTER/NO ENTRE, FIELD NOT FOR USE, the name and EPA registration number of the fumigant, and a 24-hour emergency response number. Placards may be removed 2 days after the final treatment.  
 OR  B. When this product is used out-of-doors to a site other than an athletic field or park, the applicator shall post a sign at the application site containing the signal word DANGER/PELIGRO skull and crossbones, the name and EPA registration number of the fumigant, and a 24-hour emergency response number. Signs may be removed 2 days after the final treatment.

Danger Signs can be downloaded at [www.cardinalproproducts.com](http://www.cardinalproproducts.com)

Exposure Period: \_\_\_\_\_ Minimum Exposure Period: 72 hours

Special Aeration Requirements  \_\_\_\_\_  
 \_\_\_\_\_

Minimum Distance From Occupied Structures: 100 ft.  No burrows being treated within 100 ft. of a building that is, or may be, occupied by humans, and/or domestic animals.

Document any burrows that open under or into occupied buildings, and do not apply to these burrows. In addition, check for any other source through which the gas may enter into occupied buildings as a result of application to burrows. If there is any way gas can move through pipes, conduits, etc. from burrows, do not treat these burrows.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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Other Tasks:

<input type="checkbox"/>	Label and MSDS available
<input type="checkbox"/>	Emergency Response Plan reviewed
<input type="checkbox"/>	Documented training of all applicators and handlers
<input type="checkbox"/>	All Safety Equipment Available: List the equipment:

Personnel:

- Confirm in writing that all personnel in and around the structure and/or area to be fumigated have been notified prior to application of the fumigant. Use a checklist showing that each employee has received notification and attach to FMP.
- Instruct all fumigation personnel to read the Applicator's Manual concerning the hazards that may be encountered, the selection of personal protective equipment (PPE), including detection equipment
- Confirm that all personnel are aware of and know how to proceed in case of an emergency response reporting
- Instruct all personnel on how to report any accident and/or incidents related to fumigant exposure. Provide a telephone number for emergency response reporting
- Instruct all personnel to report to proper authorities any theft of fumigant and/or equipment related to fumigation
- Establish a meeting area for all personnel in case of an emergency

Post Application:

Monitoring Log: Monitoring of phosphine concentrations must be conducted in areas to prevent excessive exposure and to determine where exposure may occur. Document where monitoring will occur. Show on Diagram. Document even if zero readings.

Monitoring Log:	
Application	Readings (ppm)
Date:	
Time:	
Location:	

Detection Equipment Used:

If levels above 0.3 ppm, corrective actions must be taken:  
List corrective actions:

Application	Readings (ppm)
Date:	
Time:	
Location:	

**Note: Worker exposure monitoring is mandatory**

Exposure Period	Readings (ppm)
Date:	
Time:	
Location:	

Recommended Monitoring Equipment: Dräger Pac 7000 (PH3 Low-Range). Available at Cardinal Professional Products

Exposure Period	Readings (ppm)
Date:	
Time:	
Location:	

Exposure Period	Readings (ppm)
Date:	
Time:	
Location:	

Aeration	Readings (ppm)
Date:	
Time:	
Location:	

Aeration	Readings (ppm)
Date:	
Time:	
Location:	

# Fumigation Management Plan

(For Burrowing Rodent Control)

Special Notes:

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<u>Fumigation Management Plan Prepared By:</u>	
<u>Company:</u>	
<u>License/Certification Number:</u>	
<u>Date:</u>	
<u>Phone Number:</u>	
<u>Signature:</u>	