

Special Applications: Fumigants and Suspensions in Air

Certified Farmers must take extra precautions when you use a Class 2 or 3 pesticide that is a fumigant or a suspension in air. A suspension in air is a pesticide that produces an aerosol, mist or fog. It may also be an ultra low volume or ultra low dosage application. To use these products, you must:

- work with a qualified assistant, and
- follow specific application procedures.

Work with a Qualified Assistant

If you are using a Class 2 or 3 fumigant or pesticide that produces a suspension in air, you must be assisted by another Certified Farmer or an appropriately Licensed Exterminator.

Here are some examples when you need to work with a qualified assistant:

When you use a Class 2 or 3 soil fumigant that contains chloropicrin (Telone C-17, Chloropicrin 100 Liquid Soil Fumigant, or Pic Plus Fumigant), you must be assisted by another Certified Farmer or a Licensed Exterminator who holds an Agriculture or Fumigation Soil licence. (Note: Certified Farmers cannot use soil fumigants that contain both chloropicrin and methyl bromide.)

When you use a Class 2 or 3 pesticide that is a suspension in air inside a farm structure (e.g. Plant-Fume in a greenhouse) you must be assisted by another Certified Farmer or a Licensed Exterminator who holds a Structural or Greenhouse/Interior Plant licence.

Follow Specific Application Procedures

When you use a Class 2 or 3 pesticide that produces a suspension in air or that is a fumigant (e.g. chloropicrin for indoor soil fumigation), you must follow these procedures for applications inside structures:

Before you begin –

- Make sure your assistant is with you at all times.
- Check all doors into the building except the door you will use to leave the building.
- Post a “Structural Extermination Sign” (referred to as Sign B) on all doors. This sign must meet the requirements of ‘Sign B’ as described on the Ontario Ministry of Environment web site at: www.ene.gov.on.ca/en/land/pesticides/signs.pdf

Special Applications: Fumigants and Suspensions in Air

After you apply the pesticide –

- leave the building,
- lock this door and
- post a “Structural Extermination Sign” on this door.

You must make sure that no one enters the building while the pesticide is suspended in the air or during use of the fumigant. If you or your assistant must re-enter the building, you must wear adequate respiratory protection that protects you and your assistant from exposure.

FUMIGANTS

Certified Farmer **may not buy and use fumigant gases** that contain:

- methyl bromide such as
 - Terr-O-Gas 67 Preplant Soil Fumigant, PCP Act No. 13477
 - Gardex Methyl Bromide Fumigant PCP Act No. 12248
 - Methyl Bromide Fumigant PCP Act No. 16495
 - Methyl Bromide PCP Act No. 18613
 - TCC Methyl Bromide Fumigant PCP Act No. 19498
 - Meth-O-Gas Space Fumigant PCP Act No. 9564
- carbon dioxide such as
 - Carbon Dioxide Fumigant PCP Act No. 20088
- ethylene oxide such as
 - Ethylene Oxide Fumigant-Sterilant Gas PCP Act No. 22965

Certified Farmers **may buy and use soil fumigants** that contain

- chloropicrin such as
 - Pic Plus Fumigant, PCP Act No. 28715
 - Chloropicrin 100 Liquid Soil Fumigant, PCP Act No. 25863
- metam-sodium such as
 - Engage Agro Enfuse M 510, PCP Act No. 29142 or
 - Vapam Liquid Solution Soil Fumigant, PCP Act No. 6453
 - Vapam HL, PCP Act No. 29128
 - Metam Sodium Agriculture, PCP Act No. 28247
 - Busan 1236, PCP Act No. 25103

Special Applications: Fumigants and Suspensions in Air

Groundhog Control

Groundhogs or woodchucks are present throughout Ontario and may require control in some cases.

Fumigants that contain aluminum phosphide are sold in Ontario to control groundhogs. These fumigants release a highly poisonous and flammable gas when moisture is present. Read the label completely and follow all safety precautions when you use these pesticides.

Wear a full face mask respirator with a gas canister and use cotton gloves. Never work alone. Have a second person wearing personal protective equipment assist you during the fumigation. Keep tablets away from moisture, open flames or heat.

You must take special precautions when you use a fumigant gas that contains aluminum phosphide to control groundhogs (Reg. 63/09, s.64).

You must make sure that:

- burrows open to the outside,
- all entrance holes are at least 10 metres from a building, and
- you, and other certified applicators, wear a respirator.