



NOTE TO USER:

For technical assistance or additional
information contact:

PHOS-FONE CHEMICAL CO.

1211 James Ct.
Onaska, MN. 55318
Tel: (612) 448-4505

Phos-Kill

Pellet

EPA Registration No. 43568-1

and

Tablet

EPA Registration No. 43568-3

Application

and

Instruction

Booklet

EPA Establishment No. 41876-1Y-1

Remove and Unfold

for Use and Directions

1/3

DIRECTIONS - GENERAL

PHOS-KILL is effective in providing economic levels of control of:

Granary Weevil, Rice Weevil, Lesser Grain Borer, Saw-Toothed Grain Beetle, Confused Flour Beetle, Cadelle, Angoumois Grain Moth, Khapra Beetle, Indian Meal Moth, Yellow Meal Worm, Red Flour Beetle, Spider Beetle, Hairy Fungus Beetle, Mediterranean Flour Moth, Dried Fruit Moth, Bean Weevil, Cigarette Beetle and Tobacco Moth.

Its use is suited for the fumigation of bulk stored grain, and certain commodities in space; Box cars and bulk rail cars (static or in-transit) vaults, warehouses, static trailers vans (not tarped grain trailers) and shipping containers. A fumigation consists of placing the pellets and/or tablets in a specified manner once the facility being fumigated has been prepared. Minimum preparation consists of:

1. Notifying local authorities (Fire, Police, etc.)
2. Sealing area or structure as gas tight as possible.

3. Posting of danger signs; w/skull and crossbones, "area under fumigation, do not enter", Date of fumigation, name and address of fumigators, "Do not remove warning signs until fumigated area is safe for entry."
4. Being certain first aid information and proper respiratory equipment is at the site.
5. Being certain that all adjoining facilities are evacuated.
6. Being certain of the recommended application procedure.
7. Being certain that operators have been trained and have read and understood labeling.

DIRECTION — SPECIFIC

WEAR GLOVES WHEN HANDLING. ALWAYS OPEN CANS IN OPEN AIR IMMEDIATELY PRIOR TO USE. ALWAYS WORK IN PAIRS, NEVER ALONE. BULK STORED GRAIN: Add pellets and/or tablets to grain stream as silos or bins are filled. Filling must be continuous. Determine additions sequence on pellets and/or tablets per minute basis, to insure even distribution throughout. Close bin openings, seal and post warning signs. 114

43568-1

COMMODITIES IN SPACE:

- (1) Warehouses and vaults:
Place pellets and/or tablets on floor in systematic manner on sheets of kraft paper. Use total floor space available.
- (2) Box Cars, Bulk Rail Cars, Static Trailers Vans, Shipping Container, etc.
Place 10 Pellets or 2 Tablets in moisture permeable envelope. Place and tape bags on rigid perforated cardboard with spacing between bags. Tape across the envelope ends only. Place or fix the cardboard, envelope side up, inside the box-car van or shipping container. In the case of bulk rail cars place the cardboard on the flanges of the hatch openings. This may require cutting the cardboard to size. Close, seal and post warning signs on doors and hatch covers.

DOSAGE SCHEDULE

ABOUT DOSAGE: Satisfactory results with PHOS-KILL are dependent upon obtaining a tight seal of the structures to be fumigated. The Dosage Schedule reflects a dosage range. The lower level should only be used in tightly sealed structures. The higher level should be used if sealing has been difficult or if other adverse conditions are present, such as high wind.

PELLET AND TABLET EXPOSURE GUIDE

The release of phosphine from PHOS-KILL is dependent on atmospheric temperature and humidity. Plan fumigations accordingly.

NON-FOOD PRODUCTS.

Cotton (cloth and unprocessed), Feathers, Human Hair, Vulcanized Hair, Mohair, Wool, Tobacco, Wood and Bamboo Products.

ANIMAL FEEDS & FEED PRODUCTS:

SUGGESTED DOSAGE SCHEDULE

PELLETS	100 - 200	120 - 200
TABLETS	20 - 40	20 - 40

MINIMUM EXPOSURE REQUIREMENTS

COMMODITY TEMPERATURE	MINIMUM EXPOSURE PERIOD
Commodity at 54-59°F. (12-15°C.)	at least four days
Commodity at 60-68°F. (16-20°C.)	at least three days
Commodity at over 68°F. (20°C.)	Not less than two days

DO NOT FUMIGATE WHEN COMMODITY TEMPERATURES ARE BELOW 40° F. (5° C.)

NOTE: Aerate all fumigated products for at least 48 hours before offering to consumer. Note specific aeration instruction for tobacco.

43568-1

115

TOBACCO TEMPERATURE ABOVE 60° F.

Temperature Above 68° F.	Dosage: Bags/1000 Cubic Feet 110 - 135 Pellets or 20 - 30 Tablets Hogsheads Other	Minimum Exposure 4 days 6 days 3 days minimum 2 days minimum
60° - 68° F. Post Fumigation Aeration:		

TOBACCO TEMPERATURE 40° - 59° F.

Temperature 40° - 59° F.	For Kill of Cigarette Beetle Larvae Dosage: Per 1000 Cubic Feet 110 - 135 Pellets 20 - 30 Tablets	Minimum Exposure See Below
-----------------------------	--	-------------------------------

Best results are achieved when tobacco is fumigated at temperatures above 60° F. However where it is not possible to achieve these temperatures fumigation at temperatures in the 40° - 59° F. range have provided satisfactory controls of the cigarette beetle larvae. Eggs and pupae of the cigarette beetle may survive a fumigation at these lower temperatures. The appropriate exposure periods for fumigation of tobacco are:

59° F.	168 hours
40° F.	336 hours

NOTE: Warehouses and containers must be tightly sealed. Post fumigation aeration time is a minimum of 4 days.

NOTE: Aerate all fumigated products for at least 48 hours before offering to consumer. Note specific aeration instructions for tobacco.

43568-1

115-A