

PYRONYL™ FOGGING PF INSECTICIDE



Kill the Insects You Can't See in Your Empty Storage Bins

Treating empty grain bins against infestations is an important part of Integrated Pest Management (IPM) for grain processing operations and grain storage facilities. Pyronyl™ Fogging PF Insecticide, a ready-to-use synergized pyrethrin insecticide, can be an effective option for this purpose when used as a fogging, space or contact spray treatment, providing flushing and killing of stored product insects.

Empty Bin Insect Control Featuring Pyronyl™ Fogging PF Insecticide

Reasons to Fog

Fogging provides complete coverage of the entire inner space of a structure and effectively treats the hard-to-reach areas in a grain handling facility. For example, in taller silo storage facilities, fogging can reach the highest points of the tower, and extend to the rafters in flat house style facilities. Fogging is also very effective for older facilities. In addition to coverage, fogging is also not as labor intensive as surface spraying. Considering the improved coverage along with the labor savings, fogging presents a cost-effective alternative to surface spraying.

When to Fog

Once your facility is cleaned of all old grain and prepared for new grain, fog two weeks before filling with stored grain. When employing a cold fogging unit, make sure to read and understand all directions for use. Measure the space to be fogged and calculate the volume.* Close up the treated area during application and for 15 minutes after (no grain covering is required). The area to be fogged must be reasonably air-tight so fog can be held for at least 15 minutes, per label instructions. Use a fogger or vaporizer adjusted to deliver an aerosol spray (no droplets over 50 microns in diameter and 80% less than 30 microns). Apply at a rate of 1 fl. oz. per 1,000 cu. ft. of space. Direct spray toward the ceiling and upper corners of the area and behind obstructions.

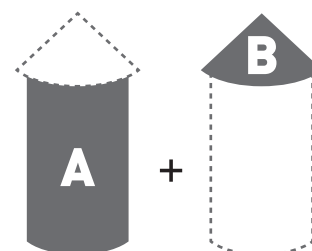
Start with Sanitation

For maximum effectiveness, fogging should act as one component of a larger, comprehensive S.L.A.M. program incorporating the proper sanitation, loading, aeration and monitoring of grain. As the first step, bin sanitation lays the groundwork for the rest of the S.L.A.M. program. It's important to keep storage facilities clean and repaired – fixing holes and cracks, and cleaning out all grain from previous years. Remove and dispose of old grain from inside the bin, around the outside, from false floors and all cracks and crevices. Additionally, treat elevator walls, chutes, belts and other structures.

*Calculating the Volume of the Space to be Fogged

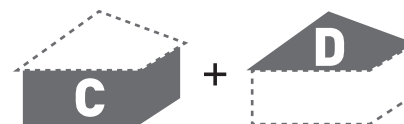
To Find the Volume of a Silo Add A+B

$$\begin{aligned} A &= \text{Silo} = \pi \times r^2 \times h \\ B &= \text{Roof} = \pi \times r^2 \times h \div 3 \\ \pi &= 3.14159 \\ r^2 &= \text{radius squared} \\ h &= \text{height} \end{aligned}$$



To Find the Volume of a Flat House Add C+D

$$\begin{aligned} C &= \text{Flat House} = \text{length} \times \text{width} \times \text{height} \\ D &= \text{Roof} = \text{base} \times \text{height} \times \text{length} \div 2 \end{aligned}$$



Pyronyl™
Fogging PF
Insecticide

PYRONYL™ FOGGING PF INSECTICIDE

Features & Benefits

- Ready-to-use formulation
- Contains synergized pyrethrins
- Kills stored product insects such as rice weevils, Indian meal moths and confused flour beetles
- Treats adult stages of labeled insects
- Approved for use in grain elevators, grain mills, food plants and more

Active Ingredients

Pyrethrins (0.5%)

Piperonyl Butoxide (PBO)

Modes of Action

Pyrethrins: Sodium Channel Blocker

PBO: Synergist/Cytochrome Enzyme Inhibitor

Application Sites

- Cereal processing and manufacturing plants
- Flour mills
- Food processing plants
- Grain elevators
- Grain mills
- Granaries
- Spice plants
- Trucks, Trailers, Rail cars and Marine vessels

Pests Controlled

- Angoumois grain moths
- Cigarette beetles
- Confused flour beetles
- Drugstore beetles
- Grain mites
- Granary weevils
- Indian meal moths
- Mealworms
- Mediterranean flour moths
- Rice weevils
- Saw-toothed grain beetles
- Spider beetles
- Tobacco moths
- And more...

Application Methods

- Application through fogger or vaporizer
- Ready to use in fogging or misting machines
- Works as space spray and direct contact spray
- Efficient dosage at 1 fl. oz. per 1,000 cu. ft. of space
- Can be tank mixed with Diacon® IGR and Centynal™ Insecticide

Reasons for Fogging

- Effectively treating hard-to-reach areas in grain handling facilities
- Complete coverage of the entire inner space of the structure

When to Fog

- Two weeks before filling a bin
- Anytime insects are building up



To learn more about Pyronyl™ Fogging PF Insecticide, contact your distributor, call 800.248.7763 or visit bugfreegrains.com