

FOGGING



A How-To Guide Featuring Diacon® IGR and Pyronyl™ Crop Spray

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.

How to Fog

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.* Tank mix 3 ml Diacon® IGR, 24.6 ml Pyronyl™ Crop Spray and 270.4 ml of water per 10,000 ft³ of space for crawling insects. Close up the treated area during application and for 30 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 30 minutes, per label instructions.

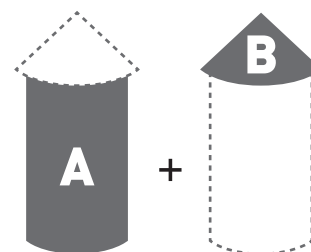
Facts about Fogging

Fogging will not penetrate a grain mass, so it is not a substitute for treating incoming grain with protectants or fumigation. When fogging, it is essential to continue good sanitation, as the fog will probably not penetrate piles of spilled grain. Overall, it's important to calculate full costs of fogging vs surface spraying, including the frequency necessary for each method, to determine which method is right for your operation.

*Calculating the Volume of the Space to be Fogged

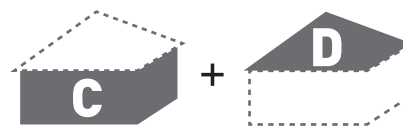
To Find the Volume of a Silo Add A+B

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



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

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



Protect Against Infestations with Diacon® IGR and Pyronyl™ Crop Spray

Tank mix Diacon® IGR with Pyronyl™ Crop Spray for rapid knockdown and kill, extended residual control, and to treat insect infestations in a stored grain facility.

Diacon® IGR

A versatile liquid formulation, with a long residual that works by interrupting the insect life cycle, preventing larvae from maturing into breeding adults. Excellent for control of Indian meal moths, red flour beetles, confused flour beetles and other stored product insects.

- Active ingredient (S)-methoprene, an insect growth regulator
- Approved for use on all grains, feeds and seeds
- May be used on commodities for human and animal consumption
- Cost-effective, long-term control
- EPA tolerance exempt
- Established CODEX clearance
- Stable at high heat
- No withdrawal or holding period; treated commodities may be processed immediately

Pyronyl™ Crop Spray

Pyronyl™ Crop Spray is a concentrated pyrethrum insecticide synergized with Piperonyl Butoxide to achieve flushing, rapid knockdown and kill of stored product insects.

- Contains synergized pyrethrins
- Features a high ratio of active ingredient to synergist
- Controls stored product insects including: confused flour beetles, drugstore beetles, granary weevils, Indian meal moths, lesser grain borers, maize weevils, red flour beetles, rice weevils and more
- May be used as a fog or spray treatment tank mixed with Diacon® IGR as part of a sanitation program for stored grain facilities



For more information, contact your distributor, call 1.800.248.7763 or visit BugFreeGrains.com.