

Let's Protect Grains Together

It is estimated that the U.S. agriculture industry loses upwards of \$2.5 billion a year as a result of stored grains lost to insect infestations.

Protecting your stored commodities from insects is an essential element of **sanitation, food safety and profitability**. And procuring the right lineup of insect control products is an essential element of protection. The Bug Free Grains lineup from Central Life Sciences includes a variety of products such as insect growth regulators, synergists and insecticides.

To protect the commodities as well as profits, it is essential for operators to treat grains and follow **best practices for sanitation, loading, aeration and monitoring (S.L.A.M.)**.

Designed for use during every step of the post-harvest/grain storage process, these products are available in different formulations that allow for an array of application methods.



Visit
BugFreeGrains.com
and review our product catalog for
more information.



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PROTECTING
POST-HARVEST GRAINS
from Stored Product Insects





INSECT GROWTH REGULATORS

Diacon® IGR

Diacon® IGR is a versatile liquid formulation that is excellent for control of lesser grain borers, Indian meal moths, saw-toothed grain beetles and other stored product insects.



FEATURES & BENEFITS

- Broad-spectrum control
- EPA tolerance exempt to control insect larvae in food commodities
- Contains the active ingredient (S)-methoprene
- Can be applied directly to grain stream
- Can be applied as a fogging concentrate or a surface spray
- CODEX approved
- Application Rate*: 4-7 fl oz per 1,000 bushels of grain

Diacon®-D IGR

A dry formulation insect growth regulator designed for locations where water is scarce, Diacon®-D IGR is a ready-to-use option for controlling insects at on-farm and off-premise storage sites.



FEATURES & BENEFITS

- Ready-to-use formulation
- Labeled for all stored commodities including malting barley
- EPA tolerance exempt to control insect larvae in food commodities
- Contains the active ingredient (S)-methoprene
- Interrupts insects' life cycles for long-term control
- Can be applied to the grain stream or as an empty premise treatment
- Application Rate*: 8-10 lbs per 1,000 bushels of grain



ADULTICIDES

Centynal™ EC Insecticide

Get efficacious control over stored product insects with Centynal™ EC Insecticide. Effective when used alone or tank mixed with Diacon® IGR and/or PBO-8® Synergist, Centynal™ EC Insecticide can be applied directly to stored grains or as an empty bin treatment as part of proper sanitation practices.



FEATURES & BENEFITS

- Provides effective knockdown and control of stored product insects
- Contains the active ingredient deltamethrin
- For use on wheat, corn, rice and other grains
- Enhanced emulsifiable concentrate formulation reduces need for agitation
- May be diluted with water or oil
- Miscible in dust controlling oils
- May be tank mixed with Diacon® IGR and PBO-8® Synergist
- Broad-use pattern
- CODEX approved
- Application Rate*: Rates vary by commodity

Pyronyl™ Crop Spray

Pyronyl™ Crop Spray is a concentrated pyrethrum insecticide that features a high ratio of active ingredients to synergist for the flushing and rapid knockdown of multiple stored product insects. Use it alone or tank mixed with Diacon® IGR and Centynal™ EC Insecticide or Diacon® IGR PLUS as an effective tool for applications in and around stored grain facilities.



FEATURES & BENEFITS

- Controls stored product insects
- Contains synergized pyrethrins
- Ideal for the rapid knockdown of multiple species
- Quick degradation in the environment
- May be used as a fogging agent in conjunction with Diacon® IGR
- Application Rate*: Rates vary by commodity



COMBINATION PRODUCTS

Diacon® IGR PLUS

Diacon® IGR PLUS provides control of stored product insects from start to finish. Diacon® IGR PLUS can be applied directly to stored grains and used for treating empty bins and warehouses for stored product insect control.



FEATURES & BENEFITS

- Helps eliminate stored product insects
- For use on wheat, corn, rice and other labeled grains
- Ideal for both use on grain and sanitation needs
- Active ingredients control both adult and larval stages of labeled insects
- May be diluted with water or oil
- Miscible in dust controlling oils
- May be tank mixed with PBO-8® Synergist
- Long-residual control
- Reduces rebound of infestations
- CODEX approved for cereal grains
- Application Rate*: Rates vary by commodity



SYNERGISTS

PBO-8® Synergist

PBO-8® Synergist improves the efficacy of insecticides. Use it as the perfect tank-mix partner with Centynal™ EC Insecticide, Diacon® IGR PLUS or Pyronyl™ Crop Spray to provide an extra boost for stronger stopping power.



FEATURES & BENEFITS

- Blocks insects' ability to metabolize adulticides
- Synergizes many insecticides, including pyrethroids
- Works with most misting, fogging or spray equipment
- Presents a low risk to humans and environment
- Is a resistance management tool
- Application Rate*: Rates vary by commodity

*See label for complete directions