



## Farmers Grain Terminal Trusts **Diacon® IGR and Centynal™** Insecticide for Unmatched Stored Grain Protection

Grain terminal managers know the importance of using reliable and long-lasting products that effectively control stored product insect infestations within their grain storage operations. Ronald Ferrell is the branch manager of Farmers Grain Terminal, Belzoni, MS and has been in the grain storage business for more than 39 years. He has used various products to combat granary weevils that infest the facility's 3 million bushels of stored corn, but none yield greater success than Diacon® IGR and Centynal™ Insecticide from Central Life Sciences.

Granary weevils (*Sitophilus granarius*) are 3-4 millimeters long with dark brown coloring, oval-shaped bodies, long legs and elongated snouts. The pest's chewing mouthparts have the ability to drastically eat into a grain facility's product, thus increasing the insect damaged kernel (IDK) count and reducing profits.

"Before we started using Diacon and Centynal, we tried various other products that claimed to offer reliable stored product protection, but we would continue to see large amounts of granary weevils everywhere in the corn pods," said Ferrell.

In 2012, Farmers Grain Terminal knew it was time to look for a new and more effective product, which is when the facility learned about Diacon® IGR and Centynal™ Insecticide from a Central Life Sciences sales representative at an industry tradeshow.

"We weren't seeing successful results with our current products and were definitely in the market for something new and more effective, which is why we decided to do a test run on a few corn storage piles with Diacon and Centynal at our Belzoni location," said Ferrell.

Diacon® IGR provides long-term control and protects profits by controlling stored product insect infestations in silos, grain elevators, warehouses and storage bins. Labeled for all stored commodities and foods including corn, wheat and rice, the product's active ingredient, (S)-methoprene, prevents larvae from maturing into adults to help end the infestation cycle and prevent future rebound. Centynal™ Insecticide kills a broad spectrum of stored product insects on contact when applied directly to the grain stream or as an empty bin treatment. A tank mix of Diacon® IGR and Centynal™ Insecticide controls the full spectrum of stored grain insects including granary weevils (*Sitophilus granarius*), rice weevils (*Sitophilus oryzae*), lesser grain borers (*Rhyzopertha dominica*) and red flour beetles (*Tribolium castaneum*).

Farmers Grain Terminal applied Diacon® IGR and Centynal™ Insecticide using label recommendations directly to the corn grain stream with an injection pump sprayer during the harvest season months of July through September. The staff treated half of the corn stored on site in order to clearly compare its effectiveness with that of untreated grain.

"I was overwhelmed with the success we experienced in the corn storage piles we treated with Diacon and Centynal," said Ferrell. "We literally saw no granary weevils in the treated corn, but still had a large infestation in the untreated corn stored in grain tanks. Treating only half of the corn storage was a great visual check for our facility and prompted us to confidently make the complete switch to Diacon and Centynal."

Since implementing Diacon® IGR and Centynal™ Insecticide into its corn storage protocols, Farmers Grain Terminal has seen a drastic drop in IDK and kernel shrink back. With more whole kernel corn and no granary weevil infestations, the facility has experienced a large decrease in the amount of stored corn trucks that are rejected.

Not only have these products noticeably reduced the grain terminal's IDK, but Diacon® IGR and Centynal™ Insecticide have also provided the staff with a cleaner work environment because the granary weevils are no longer eating the corn kernels and turning them into fine dusty particles.

“After using Diacon and Centynal, we have half the dust that we used to,” said Ferrell. “Even the grain operator that comes to pick up our corn commented on the cleanliness of our facility, saying that all the other terminals he visits have much more dust than Farmers Grain Terminal.”

Ferrell continued, “He asked me what we have been doing differently and I explained that we now treat our corn storage piles with Diacon and Centynal. He was very impressed and let me know that he hopes we continue to use these products every single year.”

Price is always a top concern for any facility when investigating options for stored product insect control products. Ferrell says that the pricing of Diacon® IGR and Centynal™ Insecticide is competitive enough that his facility can use these high quality products and be profitable in its operations at the same time.

“After seeing how effectively Diacon and Centynal worked at our Belzoni location, we made the decision to treat the corn stored in grain tanks at our other two locations in Indianola, MS and Waverly, LA,” said Ferrell. “The results have remained consistent at all locations throughout the years and I have truly enjoyed working with all the people at Central Life Sciences and using Diacon and Centynal.”



Tanks and injection pump used to apply products at Farmers Grain Terminal



1.3M bushels of stored corn to be treated with Diacon® IGR and Centynal™ Insecticide



Applying Diacon® IGR and Centynal™ Insecticide directly to the corn grain stream



Treated corn storage piles after 8 hours at Farmers Grain Terminal in Belzoni, MS



**For more information about Diacon® IGR or Centynal™ Insecticide, call 1.800.248.7763 or visit [www.bugfreegrains.com](http://www.bugfreegrains.com).**