

## The most effective DE insecticide available today.

DEsect<sup>®</sup> is an insecticide produced from a special grade of fresh-water diatomaceous earth (DE) and is a highly effective insect control solution. DEsect physically abrades & absorbs the exterior protective waxy cuticle layer of the insect, resulting in rapid death by dehydration. Insects cannot become immune to its action. DEsect is made from a special DE ore deposit which kills insects faster than competing brands of DE, according to testing by an independent entomology laboratory.

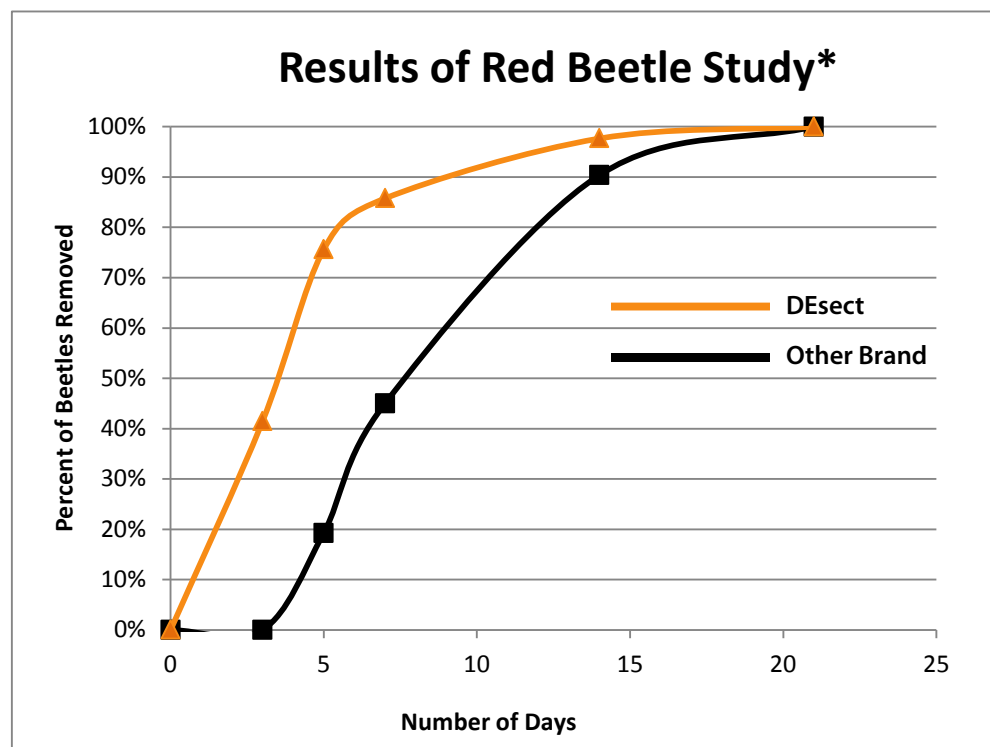


## Unique EPA certification for stored grain application.

Used to control insects in stored grain and animal feed. DEsect is one of the only diatomaceous earth brands certified by the EPA for use on stored grains.

## Independent lab tests shows DEsect has highest insect efficacy.

In field and independent lab testing DEsect has been shown to have higher efficacy vs. top competitive DE insecticides. DE efficacy is affected by the diatom species, purity of the DE ore deposit, and processing of the ore to produce the finished product. The DEsect ore deposit is a unique diatom species and has high efficacy as an insecticide. Below is an example of a third party study on efficacy:



\*Testing performed by an independent entomology laboratory.



## Effective against more insects.

DEsect kills Roaches, Slugs, Ants, Earwigs, Grasshoppers, Crickets, Silverfish, Millipedes, Centipedes, Sow bugs, Pill Bugs, Lice, Mites, Box Elder Bugs and Carpet Beetles. DEsect is effective against Fleas, Ticks, Aphids, Snails, and Japanese Beetles, and is an effective insecticide for killing stored grain insects such as Rice Weevils, Granary Weevils, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Red Flour Beetles and Tribolium.

**Stored Grains and Other Commodities:** DEsect can be used with feed grains, seed, stored grains and other raw agricultural products (barley, buckwheat, corn, oats, rice, rye, sorghum, wheat, flax, peas, soybeans, peanuts, popcorn, cocoa beans and mixtures of these grains). DEsect is an effective insecticide for killing insects such as Rice Weevils, Granary Weevils, Angoumois Grain Moths, Mediterranean Flour Moths, Indian Meal Moths, Red Flour Beetles and Tribolium in empty bins, warehouses, boxcars, containers, ships and silos. Moisture content of grain should be regulated to less than 12% for effective insect control. DEsect can be applied to the grain or other agricultural products at the time of storage and should be added at a point where sufficient blending can occur. DEsect can be applied at a rate of 1 to 7 pounds per ton and can be mixed throughout the entire grain mass, or used as a top and/or bottom dressing. Uniformity of blend is important for efficient pest control. For dressings, treat the top and bottom 3-4 feet of the bin. Apply DEsect at the recommended rate since treated grain may have reduced flowability.

**Stored Grain Surface Application:** Apply DEsect at a rate of 4 pounds per 1000 square feet of surface area over the top of the grain bed. If surface is disturbed so that protective barrier is breached, reapply DEsect at a rate of 4 pounds per 1000 square feet.

**Empty Storage Area Treatment:** DEsect should be dusted lightly, at an approximate rate of 1-2 lbs per 1000 ft<sup>2</sup> on all interior wall and floor surfaces of empty storage areas. Pay special attention to those areas of harborage for insects (cracks and crevices).

**Grain Quality:** Use of DEsect diatomaceous earth insecticide does not downgrade grain quality. USDA directive 9180.49 advises that grain properly identified as containing diatomaceous earth will not be downgraded. Any other mineral contaminant found on grain will require grain to be downgraded to "sample grade". Refer to the USDA Directive for proper identification and grading procedures.

EP Minerals has field experts that can help answer your questions. Available in 50 lb bags and bulk packaging. Contact your sales representative today at (800) 366-7607 or visit [www.epminerals.com](http://www.epminerals.com).

**DESECT<sup>®</sup>**  
DIATOMACEOUS EARTH INSECTICIDE

**Effective,  
High Quality  
Diatomaceous  
Earth Insecticide  
for the Protection  
of Stored Grains.**