

When using a product such as **Perma-Guard™**, it is very important to get good coverage. That means getting the product on all the surfaces where insects are most likely to come in contact with the product.

A fine, light dusting has proven to be the most effective.

Pest Pistol— applicator is small and simple. For use in the home in those hard to reach places. Effective enough



to be used by professionals. The bellows design with flexible extended tip distributes the product as needed in cracks and crevices.

Powder Mill Duster -

A dust applicator with an extra large hopper (1 ¾ lbs). It applies dust to the top & bottom of leaves and stems. It may also be used to apply dust in the attic and in crawl spaces. Applies a thin layer of dust.

- Deflection nozzle included
- Features large blower wheel and four air induction louvers generating a powerful flow of air
- Applies dust to top and bottom of the leaves as well as stems



The Perma-Guard Difference...

Perma-Guard™ Household Insecticide D-20 is a white powder. Even after application with water; a fine white coating will be visible when the product dries. Most conventional insecticides are clear liquid and are not visible when dry. They leave a residue that continues to kill for an extended period of time even though you can not see or smell anything. This means you will continue to breathe the fumes as long as the bugs do.

Perma-Guard™ D-20 does not leave lingering fumes. It is non-flammable.

Insects must come in contact with D-20 to be killed.

- ◆ The active ingredients are not Petro-Chemicals.
- ◆ No residue buildup
- ◆ Cost Effective.
- ◆ Safe for use around children and pets.
- ◆ Insects do not become immune.

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EPA Reg. No. 67197-2

all natural ingredients

PERMA-GUARD™

Pure Diatomaceous Earth Products



Perma-Guard Household Insecticide D-20

What are Diatoms?

All the waters of the earth are inhabited by billions upon billions of one celled plants called **Diatoms**. These microscopic plants take the minerals from the water and build themselves a protective shell. As they die, the shells drift to the bottom of the lake or ocean and, over millennia, build up tremendous deposits that fossilize into a chalk-like material called **Diatomaceous Earth (DE)**. There are more than 100,000 varieties of Diatoms; each with their own unique shape.

Perma-Guard™'s Diatomaceous Earth is taken from one of the purest fresh water deposits. The diatom is a tubular shape with tiny holes. The fossilized diatom is not water soluble. The edges of the tiny holes wear away the insect's protective cuticle causing body fluids to escape. The body fluids are then absorbed and the insect dehydrates. Human and animal cell walls are structurally more complex and considerably thicker than an insect's and are not susceptible to this action.



Dehydration:

Nature's Oldest Form
of Insecticide



Why add anything to our DE?

Some insects are better protected than others. Some may reproduce faster than the DE alone can inhibit the cycle and some are borers or stationary so Perma-Guard™ produces a number of DE products mixed with Pyrethrum and Piperonyl Butoxide to address those issues.

The EPA has four classifications for insecticides. All Perma-Guard™ insecticide products are in category 4, the least toxic and that is the designation you will find on our labels.

****There are no fumes, and no residue,
as with conventional insecticides.****

Pyrethrum is an extract from a variety of *Chrysanthemum cinerariifolium* commonly known as the African Daisy. It is an irritant to the insect which causes the insect to become active. Pyrethrum also makes stationary and boring insects active therefore increasing their contact with the insecticide. This allows the Diatomaceous Earth to work faster.

Piperonyl Butoxide (PBO) is an extract of the Sassafras plant and acts as a synergist. This causes the Pyrethrins to work more effectively and allows us to use less in our formula therefore keeping the cost to you lower.

How to apply D-20 around the house

Hollow walls must be treated anywhere there is an opening, such as cracks and crevices that may be visible around window sills or base boards. Dust around the window sills and doorways. Where insects often enter a home. Dust around the circumference of the rooms along the baseboards where the flooring meets the wall.

Dust around openings where pipes protrude such as under your sinks and in the laundry room. These are great openings to dust into the walls. The **Pest Pistol** or other small applicators with a nozzle will help for the hard to reach places. Other areas include behind & under all appliances, and under your hot water heater. Treat crawl-spaces and basements thoroughly. These areas also offer opportunities to dust into the walls. Don't forget your garage. Dust the garage thoroughly. Old boxes are perfect breeding places for roaches and silverfish.

The perimeter of your home should be dusted to keep ants from coming through cracks in the foundation, siding or bricks. Roaches are often found living under the loose flagstone of walkways or other covered sand and dirt. Dust under flagstones and any other area like that. Dusting the flower beds and shrubs around the house will kill ants, and dusting flower beds before mulching will prevent roaches from populating there.

Outside applications will need to be repeated if a heavy rain causes a large amount of run-off. **D-20 is an effective formula for use against Crickets, Roaches, Silverfish, Scorpions, Bedbugs, Beetles, Box Elder Bugs, Ants, Flies, Ticks, Fleas, and other insects listed on the label.**