

# MiteX

**M**iteX is a highly purified organic mineral that can be used in poultry houses to reduce the numbers of predatory insects and storage areas to control spoilage pests.

## THE PRODUCT:

MiteX is a purified silicate mineral formed from the remains of silica-shelled diatoms many millions of years ago.

It is a very effective drying agent and can be used to kill insects by desiccation. It has been assessed under the Control of Pesticides Regulations 1986 (COPR) for use as a pesticide.

The product has been approved by the FDA in the USA and has been awarded a rating of Food Chemical Codex Grade and in Europe it can be used in animal feeds under EC Directive 70/524 and its amendments with an E number E 551c.

MiteX can be used in poultry houses to control red mites and other predatory insects such as lice and ticks. MiteX can also be used in grain stores and transport vehicles to control weevils and grain mites.

## MODE OF ACTION:

- It has a high oil binding capacity, which enables it to be used as an insecticide.
- The fine particles attach to the waxy cuticle of insects and mites where it acts as an abrasive on the cuticle itself. This damage results in loss of moisture, which kills the pest.
- It has a purely physical mode of action and contains no chemical pesticides.

## MAJOR BENEFITS:

- It kills insects by desiccation without the need for chemical pesticides
- It is more abrasive, and more effective, against red mites than silica gel, which is also very fine and dusty to use.
- Red mites are killed within 3 days of direct contact with MiteX
- It is inactivated by moisture and has no effect on biological control systems

## USAGE:

For red mite control in poultry, apply at 15 to 30 g/M<sup>2</sup> total hard surface area. A powder fogger should be used to apply product prior to bird placement. Subsequent applications will be required as feathers and litter cover the treated surfaces.

For layers, over conveyor collection systems, more frequent applications may be required as product losses occur when conveyors are cleaned.

For feed and grains, MiteX can be applied at a rate of 10 g/M<sup>2</sup> to floors and walls of areas where cereals and feeds are stored. It can also be applied to flatbeds of transport vehicles.

## SAFETY:

MiteX is non-toxic to animals and man. It is safe for the environment and will not harm biological control systems.

## PACKAGING AND STORAGE:

MiteX should be stored cool and dry to prevent moisture absorption. Part used bags should be closed after use.