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SiO₂ DUST AGAINST STORED PRODUCT INSECTS

Gennady Zakladnoy, Anton Fernas

GNU VNIIZ Rosselhosakademii, Russia

*Corresponding author's e-mail: tonic_87@mail.ru

ABSTRACT

Some experimental investigations were fulfilled to find out response of *Sitophilus granarius* and *S. oryzae* adults on the presence of SiO₂ dust in grain mass. The dosages of dust form 0,05 kg to 5 kg per metric ton were tested. Adult mortality time was observed after beetles contact with testing grain during 8-20 days. The mortality time depended on dosages as well as grain moisture content. Dust introducing in grain resulted to some reducing of grain moisture content. SiO₂ dust is able to be methyl bromide alternative.

Keys words: SiO₂, dust, grain, insects, mortality.