Insecticide effects of non-toxic inorganic powders against bean weevil (*Acanthoscelides obtectus*)

Insecticide effect of ZnO, TiO_2, AL_2O_3 and zeolite powders were studied on bean weevil (*Achanthoscelides obtectus* Say, 1831). Mortality of both male and female adults was significantly higher for zeolite and Al_2O_3 powders than ZnO and TiO_2, while females were less suspectibile than male. SEM analysis of the insects treated with Al_2O_3 revealet that disability and mortality of bean weevils can be related to degree of powder covergate of the insects exosceleton. All powders showed similar effect to development of F_1 progeny with reduction in larvae number over 50%, and can be considered for use in organic production.