

**EFFECT OF DIFFERENT FORMS OF RICE AND BOTANICALS ON THE  
DEVELOPMENT OF RICE WEEVIL (*Sitophilus oryzae*)**

**Thayamini H Seran And S.Raveendranath**

Department of Agronomy, Eastern University, Chenkalady, Sri Lanka

**Abstract**

The variety Sudhuheenati was used to study the affinity of *Sitophilus oryzae* on different types of rice namely, brown, broken, parboiled and rough rice. It was observed that brown and broken rice were significantly preferred over brown rice by *S. oryzae*. No adults developed from rough rice. As broken rice was attacked most by *S. oryzae* further studies were conducted with broken rice of sudhuheenati to determine the efficacy of botanicals, namely Lakada (*Gardinia latifolia*) bud, Citrus (*Citrus aurantifolia*) peel and Neem (*Azadirachta indica*) leaf on *S.Oryzae*. The result showed that the *S.oryzae* population was significantly ( $P<0.05$ ) reduced by all the botanicals compared to control. Neem leaf would appear to be most effective among the botanicals tested in this study.

**Key words** : forms of rice, botanicals, *Sitophilus oryzae*