Thesis Title	Study of Asparagus's Pest Management in Jombueng District Rajburi Province by using Geographic Information System
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Abstract

The asparagus's insect management study by using an application of geographic information system was conducted at Jombueng District, Rajburi Province. The purpose of this study is to set the strategy for integrated insect management by evaluating the agricultural data base and the insect damaging situation of asparagus plants from the asparagus farmers in Tumbol Dan-tab-ta-ko, Jombueng, Rajburi. Collecting data from questionnaires of all asparagus growings and from agricultural government offices in 1997-1998 was the methodology used in this study. The data from two main sources were scored by using the multi criteria decision making (MCDM), an application of geographical information system, by the agricultural experts. Weighing and rating were scored from the multi factors of asparagus insect invasion. The results of the data base from 28 asparagus growings showed that the invasion of the insects were from 5 species of insects which were: butterfly worm, thrips, beet armyworm, dimondback moth, and common cutworm. However, the criteria scoring showed that butterfly worm, thrips, diamond back moth, and common cutworm have slightly moderate invasion in this area. The beet armyworm could be classified as moderate invasion insect in this study.

Keywords : Asparagus's insect / Geographic information system / Multi criteria decision making