

Abstract

The objectives of study on beekeeping for pollination and income of the people on highland area were: 1) to select the potential honey bee species for pollinating strawberry to increase fruit yield at Royal Agricultural Ang Khang Station and Highland Development Project Using Royal Project System Mae Salong Station, by introduced Western honey bee (*Apis mellifera*) in Taiwan style of Langstroth box and native Asian honey bee (*Apis cerana*) in traditional log 2) to study the efficient technique to harvest honey at Royal Project Development Centre Pa Miang. The study found the introduced Western honey bee into the field treatment was able to gain a significant higher weight of strawberry ($P < 0.05$). In addition, the study also found the introduced Asian honey bee into the coffee farm treatment made coffee beans had the significant heaviest weight, bigger shape, and most percent of initial fruit set ($P < 0.05$). Moreover, strawberry's shape was passing the post-harvest standard of Royal Project Foundation. According to study of honey harvesting technique, the honey extraction machine was used for harvest honey from Western honey bee. Asian honey bee in the traditional log was extracted honey by divided capped honey cells from uncapped honey cells then, the honey product had lower moisture compared to the traditional technique.

Keyword: Honey bee, Western honey bee, Asian honey bee, pollination