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氣象條件對龍眼流蜜及蜜蜂採蜜之影響

章加寶

摘要

龍眼為台灣最重要之蜜源植物，為探討氣象因子對龍眼流蜜及蜜蜂採祕量之影響，於 1992~1994 三年間，分別在南投縣中寮鄉及名間鄉 6~7 年生之龍眼園進行。結果顯示採蜜量以盛花期最多，龍眼流蜜日週高峰在 10~14 時；置於龍眼主要產區之中寮蜂群，其採蜜量較置於非龍眼產區之名間為高，在該二地區強勢蜂群採蜜量均較弱勢者為高。氣象因子中，降雨量對龍眼流蜜及蜜蜂採蜜量之影響最大，1994 年之降雨量較低，其年度之採蜜量均較多；在同一年度之中則發現雨天及雨後二天其蜜量均少。此外，4 月為龍眼之流蜜期，但此時氣候及溼度對龍眼流蜜無顯著的影響。

關鍵詞：氣象條件、龍眼、流蜜、蜜蜂、採蜜

Effect of Meteorological Factor to Nectar Flow and Honey of on Longan (Euphoria longana Lam.)

ABSTRACT:

The longana (Euphoria longana Lam.) is the most important honey plant in Taiwan. In order to understant the meteorological factor affecting the nectar flow of longana, the nectar flow of longana has been investigated for three years since 1992 at Chung-Liao and Min-Chen of Nantou county, and six to seven years oid of logana trees was used in this experiment. Through analyzing meterological data collected in a logana yard, it was confirmed that rainfall should be responsible for injury to the yield and quality of honey. The peak of honey extraction was at middle blooming stage and the peak of nectar flow was between Am10:00-Pm2:00 during daytime. The honey yield of logana area was higher than of non-logana area, and the honey extraction of strong colony is higher than that of weak colony at these two areas.

Key words: Meteorological factor、nectar flow、longan、honeybee、honey extraction