

Establishment of the Successive Rearing System of Brushfooted Butterflies (Nymphalidae: Lepidoptera)

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In order to establish the successive rearing system brush-footed butterflies (Nymphalidae : Lepidoptera) were reared in a room. Artificial diets were developed for a year-round rearing. Bu-diet was best to rear these butterflies among 3 kinds of diet used, freeze-dried host plant leaf powder in diet was better than heat-dried one (60°C) in the growth of larvae and the rearing results were best in the diet C/N ratio was 1:1. The 24-hrs old eggs could be stored for 5 days at 15°C or for 3 days 5°C and showed 75% of hatchability. On the other hand pupae could be stored for 15 days at 15°C because the emergence of abnormal adults appeared much more as the cold storage period got longer. And the adult was able to be stored until 60 days at refrigerator without relation of nectar-sucking period before cold-storage and storage temperature. Also a simple artificial ovipositing kit was devised by using Ø9cm of petri-dish and a female oviposited 278 ± 27 of eggs with adding the ether extract of host plant to this kit. The systematic successive rearing method of brushfooted butterflies in a room was completed, based on the above experiments.