五葉參扦插期試驗

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摘 要

五葉參自民國 83 年 9 月至 84 年 8 月止，每個月插植一次，全年計十二次插植期，經試驗結果，插植期各收穫三次並調查生育性狀及產量，得知平均生育日數以 9 月之 131 天爲最短，爾後按月增加至 11 月 188 天爲高，再由 12 月按月遞增至 4 月之 142 天爲較短，然後由 5 月按月遞增至 8 月 173 天。平均主蔓長度以 9 月 275 公分爲最高。公頃平均葉部及莖葉總產量乾品以 7 月分別爲 1,889 公斤及 3,072 公斤爲最高，惟其生育日數 172 天較長。平均乾物率，葉部以 10 月及 5 月均爲 15.1% 較高，莖部以 3 、 4 月分別爲 19.1% 及 19.6% 較高。各插植期之乾物率以莖部較葉部爲高，而皂甘含量以葉部較莖部爲高。

Effect of Cutting Date on the Growth of *Gynostemma pentaphyllum*

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Summary

The cutting of *Gynostemma pentaphyllum* once a month had 12 times from 1994 September to 1995 August. The result showed that the average growth days during the cutting on September needed 131 days. And it increased growth days from September to November, it needed 188 days during the cutting on November. Then it decreased growth days from December to April, and it needed 142 days during the cutting on April. And it increased growth days from May to August, it needed 173 days during the cutting on August. The average major vine had 275cm during the cutting on September. The leaf and total dry weight were 1889kg and 3072kg during the cutting on July, but its' growth days 172 days was more long. The leaf average dry rate on October and May was 15.1%, and the vine average dry rates on March and Apuil were 19.1% and 19.6% respectively. The vineaverage dry rate was higher than leaf, but total leaf saponin rate was higher than vine.