

Studies on the flowering and pollination habits of genus glycine¹

Tien-Joung Yiu² Mau-Shing Yeh³

summary

The Flowering and Pollination habits of genus Glycine was conducted in this study, eleven accessions of six Glycine species including G.max (CH3, TN4), G.soja(S21,S55), G.falcata(F1), G.latifolia(L1,L3), G.tabacina(T2,T3), G.tomentella(M1, M4) were tested. Experimental results are summarized as follow:

1. The Flowering habit of G.max, G.soja, G.tabacina and G.tomentella showed that the anther dehiscence before flowering. for G.latifolia (L1) that is anther dehiscence simultaneously with flowering. whereas the G.latifolia(L3) shows anther dehiscence after flowering.
2. The optimal time of pollinations at 7 a.m for G.max, at 9 a.m for G.soja. For G.tabacina(T2) is at 5 p.m. and at 1 p.m. for G.tabacina(T3).
3. The Optimal time of emusculation is in the afternoon for G.max and G.soja. for G.falcata, elongated over the calyx. It should be emusculated before flowering for prevention selfpollinated in G.latifolia.

¹. Research Article No.44 of Hualien District Agricultural Improvement station(DAIS).

². Assistant, Haulien DAIS.

³. Associate professor of National Chung Hsing University.