

# Studies on the Differentiation of Bud of Kyoho Grapevines in Southern Taiwan

Y. M. Hsu

## Summary

<sup>p</sup>  
Kyoho grapevines (Vitis vinifera L. X Vitis labruscana Baily), trained on horizontal trellis at Pingtung area, were used for studying the progressive development of bunch primordia of buds on shoots during various growth stages. Also, the effects of fruiting and pinching on the development of bunch primordia were also studied.

Results showed that at full bloom the first grade bunch primordia were found in each bud of the shoots pruned at early February. Both of the number and size of bunch primordia were increased as the growth stage proceeded. Sixty days after full bloom, the development of bunch primordia showed quite steady and well-differentiated Buds which had higher fruiting potential were found from 6th to 18th nodes. Fruiting and pinching did not influence the number of bunch primordia for the succeeding season. However, the barren shoot had higher grade of bunch primordia.