Improvement of Cultural Practice for Winter Roses Production
I. Effects of Shading and Summer Pinching on the Yield of Winter Roses

Yu-Mei Hsu[1]

ABSTRACT

The effects of shading and summer pinching (1st June–19th Aug.) on winter flower production (Oct.–Mar.) in two-year-old rose plants were evaluated by using the cultivars 'Christian Dior', 'Red Success', 'Landora' and 'Samantha'. The effect of shading on the yield of winter flower varied with each cultivar; it decreased the flowers number of 'Red Success' and 'Christian Dior, flowers, but increased those of 'Landora' and 'Samantha' flower production. Summer pinching increased winter flower production of all tested cultivars. Under shading culture, summer pinching had the best result. It increased 'Christian Diro', 'Red Success', 'Landora' and 'Samantha' winter flower production by 17.5%, 15.9%, 61.7% and 73.5%in comparison with outdoor culture with summer harvest, respectively. Sacrificing summer yield in outdoor culture increased the numbers of winter flowers production of four cultivars by 20.8%, 8%, 11.2% and 66.2%, respectively.

1. Assistant Horticulturist, Kaohsiung District Agricultural Improvement Station.