

光對玫瑰發育之影響

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摘 要

光度是影響玫瑰生育的最重因子之一，不僅影響生長也直接影響了開花，光度影響產量及品質，影響了芽的萌發，盲芽的比率、新生基部芽，採花時程、花長、花重、花徑、葉面積、葉色素、花瓣色澤甚至也受影響。不論是自然光照或人工照明都很顯地影響了玫瑰的生長與發育。玫瑰最佳光度約在 2500~5000 呎燭光，(27000~54000 lux)，也就是大約在 $1000 \mu \text{mol e s}^{-1} \text{m}^{-2}$ 的 PPFD 度下生育良好，臺灣地區冬春季溫度較溫和，日照度也頗為適合，正是發展冬春季玫瑰的適合季節，唯因近來發展設施玫瑰利用塑膠布防雨，時日一久，塑膠布之透光率祇有原來的 2/3，嚴重者祇剩下 1/3，嚴重影響光合作用率，並影響濕度導致灰黴病及露菌病更加嚴重，不得不慎。因此，塑膠布清洗或更新或考慮採用活動式的塑膠布增加光照量其實影響頗大。

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