

Controlled-Environment Greenhouse



Agriculture, Fisheries and
Conservation Department

Growing Lily Cut Flower (2)

Newsletter – December 2008



From the Editor

Production of cut flowers in controlled-environment greenhouses ensures stable yields to meet market demands through better control of flowering as adverse weather effects on flower growth can be minimised. In this edition we would like to use Robina, a new variety of Lily, as an example for experience sharing.



Variety

- Robina



- Big flowers with purplish red petals
- Strong fragrance



Growth Conditions

Temperature: The optimum temperature is 20°C ~ 30°C.

Humidity: The relative humidity is best between 70% ~ 80%

Lighting: A shaded environment is required for the initial growth stage but sufficient sunlight is needed in later stage.



Cultivation Management

Planting apparatus: Use sieves (60 cm x 40 cm) and put 6 ~ 8 bulbs (having a circumference of about 12 cm ~ 15 cm) in each of them.



Planting media: Mixture of soil, sand and compost (at a ratio of 2:1:1).

Planting method: Bury bulbs in planting media to a depth of about 8 cm ~ 10 cm. Planting spacing is about 15 cm ~ 20 cm. Keep the culture soil moist.



There is no need to apply fertilizer before budding and the culture soil should be kept at an appropriate humidity. During the intermediate growth stage, soil could be added and bamboo sticks inserted to avoid lodging. Fertilizer rich in phosphorus and potassium could be applied once as top dressing after budding. After more than two months of plantation, start harvesting as the buds become ripe and have good colour change.



AFCD Home Page:
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For more information and visits to greenhouses, please contact:
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