

# Controlled-Environment Greenhouse



Agriculture, Fisheries and  
Conservation Department

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## Multi-layered Cultivation of Choi Sum



### From the Editor

The Horticulture Section of the Crop Development Division has used A-shaped plantation stands for growing crops in a controlled-environment greenhouse in order to explore the feasibility of this production mode. Multi-storey plantation is not only clean and hygienic, it can also improve yield by making full use of space. Moreover, it is easy for operation and management. In this issue, we will introduce how Choi Sum is grown by adopting this cultivation method.



### Growing Choi Sum

Choi Sum can be grown in local controlled-environment greenhouses all year round. Depending on factors like variety and climate, it normally takes 40 to 60 days to grow a harvest of Choi Sum so 5 to 6 harvests can be grown annually. Unaffected by unfavourable external environmental factors, Choi Sum in the greenhouse grows orderly and thus the yield is high.



### Seedlings



### Growth



### Harvesting



### Advantages of Multi-storey Plantation

Planting crops in elevated planting troughs can reduce bending operation and it is convenient for management, thus enhancing work efficiency. In addition, it can significantly reduce the impact of pests and diseases, improving the yield and quality of Choi Sum.

AFCD Home Page:  
<http://www.afcd.gov.hk>

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