

Controlled-Environment Greenhouse



Agriculture, Fisheries and
Conservation Department

Newsletter – June 2014

Hydroponics (II)



From the Editor

Hydroponics is a method of cultivating vegetables directly in a nutrient solution, without soil and often in a controlled-environment greenhouse (CE greenhouse). Vegetables can prosper in stable and suitable conditions, producing yields faster than those cultivated in soil in the same season. Influenced less by inclement weather and pests, hydroponic vegetables are fresh and tender in quality as well hygienic, while steady production can be maintained. Photos below were taken from two local hydroponic farms, showing their different design and the feasibility of this cultivation technique.

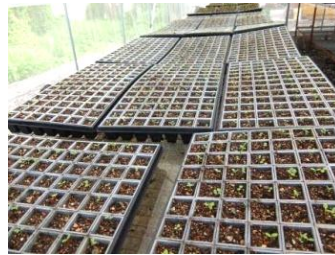


Growing hydroponic vegetables in a CE greenhouse

A view of the CE greenhouse



Sturdily growing seedlings



Using fans and misting equipment to cool the greenhouse



Hydroponic vegetables grown in the greenhouse are thriving



Crops can be grown on more than one layer



Hydroponic vegetables are prospering



Growing hydroponic vegetables in a greenhouse without extraction fans

The half-moon shaped roof of the greenhouse is adopted for cooling by natural air flow



Hydroponic baby leaves are growing healthily in the seedling room



Specially-made storage, delivery and filtering devices for the nutrient solution



White, healthy roots have developed in vegetables ready for harvest

Robust roots are retained in packed vegetables to maintain freshness and as a mark for recognition

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

For more information and visits to greenhouses, please contact:
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