

都會農業與食農教育多元應用技術開發展望

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摘要

全球快速都市化的趨勢促使社會大眾更重視提升生活品質的議題。國際間發展都市農業一直是各國首都與城市做為緩解都市化生活壓力的調適策略之一，此趨勢亦使得都市有機會成為實踐農業多元價值的具體場域。農業部桃園區農業改良場轄區涵蓋北部都會區域，發展都市農業技術與整合應用為重要任務之一，近期在食農教育、地景應用、多元農場及園藝療育等主題，已透過調校與驗證，建立場域應用模組。我國 111 年公布實施「食農教育法」，食農教育逐漸成為全民運動。桃園場配合農業部農民輔導司「食農教育推廣計畫」應用推廣，協助校園導入適栽作物檢索應用、澆水管理模組等技術，以減輕老師在食農實作課程的備課壓力，提升課程操作掌握度與參與率，並加深學生實境體驗食農教育的感受。桃園場並積極開發各項實作套裝模組產品，以降低作物種植門檻，提升參與者成就感，除讓學生/民眾認識食物及接近土地之外，進一步引領學生/民眾學習友善環境並從中思考如何善用智慧科技，展現食農教育的多元性。未來將持續依循「食農教育法」推動方針，強化推動四大主軸：(1) 開發簡易式食農栽培調適技術與套裝系統模組、(2) 研擬在地文化與健康飲食教材以及深化教學實作推廣、(3) 建構食農種子師資模組化培訓課程與育成基地，以及 (4) 建立新型態食農聯盟服務商模與產業推動，冀透過整合實作技術與輔導資源，深化食農教育環境發展以建構我國健康食農產業鏈，並加速達成食農教育推廣應用的政策目標。

關鍵字：都市農業、食農教育、技術套組、營運模式、農事服務業

Prospects for The Development of Diversified Application Technologies in Urban Agriculture and Food and Agricultural Education

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Abstract

The worldwide trend of rapid urbanization has heightened the focus on improving quality of life. Urban agriculture has long been considered an adaptive strategy to alleviate urban pressures and offers tangible opportunities to showcase the diverse values of agriculture. In the northern metropolitan area, the Taoyuan district agricultural research and extension station (Taoyuan DARES) plays a crucial role in developing and applying urban agricultural technology. Recent initiatives include creating modules for food and agriculture education, landscape applications, diverse farms, and horticulture therapy. In 2022, Taiwan enacted the Food and Agricultural Education Law. Taoyuan DARES has been using extension techniques to help schools introduce crop cultivation and water management, reducing the workload for teachers in practical food and agriculture courses. They actively develop module products to make it easier for students and the public to understand food and agriculture, encouraging environmentally friendly practices and smart technology utilization. Moving forward, they will continue to adhere to the "Food and Agricultural Education Law" and focus on four key areas: (1) developing straightforward cultivation adjustments and modular systems, (2) creating local culture and healthy diet teaching materials while enhancing teaching practices, (3) establishing modular training courses and incubation centers for food and agricultural instructors, and (4) setting up a new model for food and agricultural alliance service providers and promoting the industry. Their aim is to deepen the food and agriculture education environment by integrating practical technology and coaching resources, establish a robust food and agriculture industry chain, and expedite the realization of the policy objective to promote food and agricultural education applications.

Keywords: Urban Agriculture, Food and Agricultural Education, Technology Package, Operation Model, Agricultural Service Industry