

國立中興大學技術授權遴選廠商公告資料表

公告主旨：國立中興大學技術移轉遴選廠商公告	公告日期： 108/05/17
公告編號：108-025	
<p>內容：國立中興大學技術移轉遴選廠商公告</p> <p>一、技術名稱(Know-How)：高效率木瓜組織培養裸根苗高效馴化技術(Highly Efficient Method for Acclimatization of Papaya Tissue-cultured Naked-root seedlings)</p> <p>二、技術來源：本校研發成果</p> <p>三、技術內容：</p> <p>本技術轉移之內容包括下列事項：</p> <ol style="list-style-type: none">1. 木瓜組織培養苗於芽體發根之後，以裸根無菌狀況，每一組織培養盒可以放置100-150棵以上之裸根苗，可以快速空運行銷世界各國。2. 裸根苗必須在特定條件下進行馴化，包括馴化室之建置，適合定殖穴盤之裝置，特別調製之培養土，特殊保濕之通氣盒蓋，以及標準化之光線及溫度條件。3. 馴化成功後須再行移置至特定網室條件下進行健化。4. 田間移植技術。 <p>基於上述之過程，裸根苗之馴化需要專門設施及特定條件及技術，通常於二週內可完成馴化，再將苗木移植為盒苗，再經2週即可種植於田間。</p> <p>The content of this technology transfer includes following items:</p> <ol style="list-style-type: none">1. After in vitro rooting of tissue culture papaya plantlets, 100-150 naked-root seedlings can be placed sterilely in a single tissue culture box and ready to be transported internationally by air.2. Acclimatization of papaya naked-root seedlings has to be proceeded under specific conditions including establishment of acclimatization instruments and facilities, transplanting tray with special cover to maintain the moisture under aerated conditions, and specific light and temperature.3. Further hardening under specific net-house conditions after successful acclimatization of naked-root seedlings4. Techniques for transplanting the hardened seedlings in field. <p>Based on the described procedure, acclimatization of papaya tissue-cultured naked-root seedlings requires specific techniques including implemented facilities and cultivation conditions. Normally the initial acclimatization can be accomplished within two weeks. It takes two more weeks to further nurse the seedlings and then ready for sale or transplanting into the field.</p>	
四、計畫執行機關/系所：國立中興大學植物病理系 技術發明人：葉錫東教授	

五、廠商資格：

1、廠商業別：Company for agricultural crops.

2、應具備之專門技術：Basic skill for nursing papaya seedlings.

3、應有之機具設備：Basic facilities of temperature-controlled (25-30 C) greenhouse for acclimatization of naked-root tissue culture papaya seedlings. Basic net house with proper set up for nursing papaya seedlings.

4、應有之研究或技術人員人數：3-5人

5、其他：無

六、預期利用範圍及產品：

1. Production of the same-genotype high quality papaya fruits in a shorter time.

2. Efficient acclimatization techniques for establishment of tissue cultured papaya seedlings.

3. Each plant is hermaphrodite type.

4. High yield and homogenous fruit quality.

七、公開方式：

(一) 技術資料於網際網路上公開。

網址：國立中興大學首頁 <http://www.nchu.edu.tw/index1.php>

國立中興大學產學研鏈結中心 <http://140.120.49.189/about1.php>

(二) 逕向國立中興大學產學研鏈結中心葉小姐及黃小姐索取相關資料。

八、申請方式：

(一) 由網際網路下載申請表格，填妥後逕送至國立中興大學產學研鏈結中心。

(二) 亦得逕至中興大學索取技術資料及申請表格，

地點：台中市興大路145號（國農中心大樓2F 234室）

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