

木瓜種苗及觀賞花卉推手－林繼志先生

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位於嘉義縣中埔鄉交流道附近，有一個遠近馳名的木瓜種苗場，叫于林園藝，成立於 1984 年，它所供應的台農 2 號木瓜苗，年產將近 30 萬棵，需要木瓜苗的農民須提早向他預訂，否則向隅的農民買不到木瓜苗。負責人林繼志先生及其員工，從事木瓜苗生產及觀賞花卉已有 30 餘年的歲

月，對於台農 2 號的木瓜的故事如數家珍，關於這個市占全台 90% 的品種，能長期維持木瓜產業而不墜，感到驚嘆。

木瓜樹最怕得到毒素病，因此多數的木瓜種植在網室內，防止蚜蟲傳播病毒造成感染，爲了生產提供木瓜健康種苗，林繼志先生研究木瓜台農 2 號種苗組織培養



圖 1. 林繼志先生的木瓜種苗場

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種苗臉譜

方法，先至農民栽種的農田，找尋優良母株，再取其莖頂至農試所檢驗病毒，經檢查報告為無病毒後，即以組織培養方式繁殖瓶苗，之後進行健化處理再批發給農民種植。

近年來林繼志先生將重心移至觀賞花卉 - 九重葛之育種，目前市面上九重葛的繁殖方式多為扦插繁殖，在自然情況下九重葛不會結種子，但是林繼志在憑藉著對九重葛的熱愛，費盡心思在數百個品種之間找到幾個會結種子的九重葛母株，以此當作親本，再加以人工授粉，得到數萬顆種子，所得到的實生苗再予以播種，觀察選育出花色奇特之品種後代，再予以純化，並向農糧署申請品種權。

林繼志先生九重葛命名的方式很奇特，以龍生九子的名稱進行，像九重葛 - 鬮鳳是他所申請品種權第 1 個品種的名稱、林繼志表示這種紫色花系的九重葛特色為葉片小而密，苞片顏色深紫色，勤開花，盛花時幾乎看不到葉片，且整年都能開花，相當具有觀賞價值。林繼志先生表示，目前國內的九重葛市場規模太小，許多人自家買了幾盆九重葛觀賞後就一直擺著，也不注重修剪管理，造成觀賞性降低，相當可惜。

目前林繼志先生所選育的九重葛品種相繼問市，自有品種有上百種，相信不久之後，林繼志先生選育的九重葛在花卉市場上會展露頭角，佔有一席之地，並有機會外銷國外市場。



圖 2 林繼志先生所選育的九重葛 - 鬮鳳申請品種檢定

Mr. Lin Chichih-The driving force for papaya seedlings and ornamental flowers

Ling, Hong Zong¹

There is a well-known papaya seedling farm called Yu-Lin Gardening Near the Zhongpu Interchange in Chiayi County. The farm was established in 1984 and has supplied the papaya seedlings of Tai Nong No. 2 with an annual production amount of nearly 300,000. Farmers who need papaya seedlings must order from him in advance; otherwise, they will not be able to buy them in time. Farm owner Mr. Lin Chichih and his staff have engaged in the production of papaya seedlings and ornamental flowers for more than 30 years, and they are familiar with the story about the papayas of Tai Nong No. 2, amazed at how this variety accounts for 90% of the market in Taiwan and has been able to maintain the competition of papaya industry for a long time.

Farmers are most afraid of papaya virus disease, so most papaya are planted in nets to prevent aphids from spreading the virus and causing infection. In order to produce healthy



▲ Mr. Lin Chichih's papaya seedling farm

papaya seedlings, Mr. Lin developed the tissue culture method for papaya Tai Nong No. 2 seedlings. He first looked for good parent strains planted by farmers in the fields, then took the tip of the shoot to Taiwan Agriculture Research Institute, COA (TARI) for virus testing and propagated the explants by tissue culture after they were confirmed to be virus-free. Hardening treatments of the seedlings and

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plants should also be carried out before they were sold wholesale to farmers for planting.

In recent years, Mr. Lin has shifted his focus to breeding Bougainvillea, a kind of ornamental flower. At present, the propagation method of Bougainvillea in the market is mostly cutting propagation because it is hard to get viable seeds of Bougainvillea. Nevertheless, Mr. Lin's passion has led him to find a few seed-bearing bougainvillea parent strains among hundreds of varieties and use them as parents for cross breeding. He then hand-pollinated them to get tens of thousands of seeds, sowed the seedlings, selected offspring with unusual colors, purified them, and applied for breeders' rights to the Agriculture and Food Agency.

Mr. Lin's way of naming Bougainvillea is unique. Inspired by the Nine Offspring of the Dragon, he named the first species "Bougainia-Bixi," for which he applied for breeders' rights. According to Mr. Lin, this kind of purple-flowered Bougainia is characterized by its small, dense leaves, dark purple bracts, and frequent flowering. When the flowers are in full bloom, they bloom all year round, and the leaves can hardly be seen, which is very ornamental. Mr. Lin

also said that the current domestic market for Bougainvillea is too small. Many people purchase ornamental plants and keep them on display, not paying attention to pruning and managing them, resulting in reduced ornamental value, which is quite a pity.

There are hundreds of varieties of Bougainvillea that Mr. Lin has selected and bred. It is believed that shortly, Mr. Lin's selected Bougainvillea will take its place in the flower market and have the opportunity to be exported to overseas markets.



▲ Verification of Lin's application for breeders' rights of his Bougainia-Bixi