

大甲農業的先行者－黃正東先生

賴漢揚¹

臺中市大甲區位於臺灣西部沿海，因為二期作易受東北季風侵襲的關係，使得這裡的農作每年僅能進行一期作的種植。在這農作不易的地區，還有人願意投入農業，不斷進行新技術、新作物的嘗試，這個人就是黃正東先生。

黃正東先生為土生土長的大甲區西岐里人，家裡從小務農，高中時期就讀建國工專電機科，學習水電及自動控制，退伍後於臺中市區從事金屬光譜檢測儀器維修的工作，一直做到 40 歲左右，由於父親因病去世，需要照顧母親起居，加上家裡務農工作需要有人承接，黃正東先生才搬回大甲，開始務農工作。回鄉種植初期，受維修工程師訓練的影響，每項工作自我要求有一定的掌握度後才會進行投入，因此參加農會舉辦的課程，提高農作物栽培的知識，認識農業的專家學者後，也陸續參加農試機構及大學開辦的農作物栽培、農業機械等課程，擴展自己對各項農作物的認知。

沿海地區農作主要靠一期作種植，二期作通常休耕或是種植再生稻，相較於內陸地區需 1 倍的耕作面積才能有一樣的收益，從一開始的 3 甲地開始，逐漸承租擴



▲黃正東先生

展到 8 甲地，收入才能應付開銷，並開始更新曳引機、中耕機及循環式乾燥機等農業機具。因認同食品安全的重要性，103 年起開始有機米的生產及販售自己生產的稻米。為提高二期作種植的收益，開始投入飼料玉米、小麥、蕎麥、大豆及甘藷等雜糧的試種，盼能找出適合沿海地區二期作適種的作物，惟大部分雜糧二期作採收容易遇到雨水，需要新的耕作方式去克服。

目前黃政東先生參加 113 年大甲區良質米選拔獲得第二名的佳績，未來將持續接納新知，投入 AI 於農業領域的應用，例如植保機、自動農機的使用，導入省工、高效率的農業種植技術，為大甲地區的農業注入活水，開創一片天地。

¹ 種苗改良繁殖場種苗經營科 助理研究員

The Pioneer of Agricultural Development in Dajia - Mr. Huang Zheng-Dong

Lai, Han-Yang¹

Dajia District, located in the coastal region of western Taiwan, faces challenges from the northeast monsoon, which limits the area to a single crop season each year. Despite the difficult farming environment in this region, there are individuals who are dedicated to agriculture, continuously experimenting with crops and new technologies. One such individual is Mr. Huang Zheng-Dong.

Mr. Huang, a native of Xiqi Village in Dajia who grew up in a farming family. During high school, Mr. Huang attended the Taiwan Provincial Jhenguo Vocational High School, where he studied electrical engineering and automation control. After completing his military service, he worked as a technician specializing in the maintenance of metal spectroscopy instruments in Taichung, a job he continued until he was around 40. After his father passed away, Mr. Huang returned to Dajia to take care of his mother and take over the family farming operations.

Upon returning to the farm, Mr. Huang applied a high level of precision to his work. He participated in courses organized by the farmer's association to improve his knowledge of crop cultivation. He also sought out experts' advice and attended various training courses, focusing on crop cultivation and agricultural machinery, which helped him expand his understanding of various crops.

In coastal areas, farming mainly relies on a single crop season. The second crop season is typically involves fallow or ratoon rice. In comparison to other regions, which require double the farmland to achieve the same yield, Mr. Huang began with 3 hectares of land and gradually expanded his operation to 8 hectares.



▲黃正東先生

With this growth, he began upgrading his farming equipment, including tractors, tillers, and circulating dryers.

Believing in the importance of food safety, Mr. Huang has been producing and selling organic rice since 2014. To increase the profitability of the second crop season, he also started experimenting with growing feed corn, wheat, buckwheat, soybeans, and sweet potatoes, hoping to find suitable crops for the coastal region's second crop season. However, most of these grains face challenges in harvesting during the second crop season due to rain, new farming methods are in need to overcome this issue.

In 2024, Mr. Huang earned second place in the Dajia District High-Quality Rice competition. In the future, he plans to continue embracing new knowledge, focusing on the application of AI in agriculture, such as plant protection machines and autonomous farming machinery. He aims to conduct labor-saving, efficient farming techniques that will bring new vitality to the agriculture of the Dajia region and create new opportunities.

¹ Assistant researcher, Seed and Seedling Management section, Taiwan Seed Improvement and Propagation Station, MOA