

透過友善環境耕種及棲地營造守護宜蘭水鳥

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摘要

宜蘭的水稻田是鳥類重要的棲息地，但受化學農藥及近年來農地大量消失的影響，棲地品質及鳥類數量嚴重下降。為守護珍貴的水田及水鳥資源，返鄉青年與在地農民合作，於 2014 年創辦新南田董米，推動友善環境耕種，並進行棲地營造，改善水稻田品質並減少開發危機。2018 年起在林務局國土生態保育綠色網絡建置計畫的支持下，進一步擴大棲地營造的範圍與項目，深入社區其他自耕農與代耕業者之人文及土地關係，並強化鳥類調查。調查結果指出，近幾年之棲地營造成功讓四種繁殖鳥類數量明顯增加、兩種冬候鳥數量微幅增加，其他穩定棲息的鳥種數量亦持平，社區居民更透過鳥類保育行動獲得相對應的薪資。2019 年起，除了水稻田外，水鳥保育行動也拓展至鄰近的魚塭，以水位管理的方式營造鳥類棲息地，同樣獲得良好成效，共創人與自然共存共榮的環境。

關鍵詞：友善環境耕種、棲地營造、國土生態保育綠色網絡建置計畫、冬候鳥、水位管理

Safeguarding Aquatic Birds in Yilan through Environmentally Friendly Farming and Habitat Creation

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Abstract

The paddy fields in Yilan County are crucial habitats for birds. However, because of widespread pesticide usage and large-scale disappearance of farmlands in recent years, habitat quality and bird numbers in the paddy fields have dropped considerably. To safeguard the precious paddy fields and aquatic bird resources, young people who returned to their hometowns have begun working with local farmers to advocate for environmentally friendly farming. This has been achieved through the establishment of the brand Xin Nan Tian Dong Rice in 2014. These young people have also engaged in habitat creation to improve the quality of the paddy fields and to reduce development crisis. Under the support of the National Ecological *Green* Network Establishment Project, implemented by the Forestry Bureau since 2018, the scope and items of habitat creation were further extended to strengthen the cultural and ecological connections between the other tenant farmers and proxy farmers and the lands. Additionally, bird-related survey efforts were strengthened. The survey results indicated that successful habitat creation has caused the numbers of four types of breeding birds to increase significantly and two types of winter migratory birds to increase slightly; the numbers of other types of birds who habitually reside in the area were also maintained. The community residents have even managed to earn a wage through their involvement in the bird conservation operations. Since 2019, in addition to the paddy fields, the area of aquatic bird conservation has been extended to the adjacent fish ponds. Habitats for birds have also been created using the water-level-management method, with similar success. Through these efforts, an environment in which humans and nature coexist and coprosper was created.

Keywords: environmentally friendly farming, habitat creation, National Ecological *Green* Network Establishment Project, winter migratory birds, water level management

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