生態友善農耕與淺山生物多樣性保育-田鷖米

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摘要

「田鷖 埤塘 谷津田」位於苗栗縣通霄鎮福龍里，四周圍繞海拔 150 公尺以下之淺山丘陵，並以相思樹 (*Acacia confusa*)、樟樹 (*Cinnamomum camphora*)、桂竹 (*Phyllostachys makinoi*) 等次生樹種所構成，由於丘陵地區耕種不易，鄰近許多田區早已棄耕，演替為旱生草地及次生林。田鷖 埤塘 谷津田管理面積約2.1公頃，分別為水稻生產約 1.2 公頃，菜園旱作約 0.2 公頃，廢耕地約 0.4 公頃及埤塘約 0.3 公頃。

2012 年觀察家生態顧問有限公司於田區埤塘內發現水生昆蟲－印度大田鷖 (*Lethocerus indicus*)，遂與在地農民合作展開生態友善的保育行動，發展生態友善品牌－「田鷖米」，藉由保價收購、面積契作、專員協助農作及實際農耕等方式，保持滾動討論與調整，結合生態監測持續調整農事施作，積極進行棲地改善。

關鍵詞：大田鷖、生態友善耕作、農田保育

Eco-Friendly Farming and Biodiversity Conservation in a Low-Elevation Hill Area: The Case of Tian Bie Rice

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Abstract

The *Yatsuda* Paddy Fields of Giant Waterbug Pond are located in Tongxiao Township (Miaoli County, Taiwan) and are surrounded by low-elevation hills less than 150 m above sea level. The ecological system in the area is rich in secondary tree species such as *Acacia confusa*, *Cinnamomum camphora*, and *Phyllostachys makinoi*. Because crop cultivation in hilly areas is challenging, many farmlands in the surrounding areas have already been abandoned, with most turning into dry grasslands and secondary forests. The management area of the Yatsuda Paddy Fields of Giant Waterbug Pond is approximately 2.1 hectare, which includes a paddy area of 1.2 hectare, 0.2 hectare of dry farming land for vegetables, 0.4 hectare of abandoned farmland, and a 0.3-hectare pond.

In 2012, the Observer Ecological Consultant Co., Ltd. observed a rare species of aquatic insect, the *Lethocerus indicus*, in the farm's pond. Since then, the company has collaborated with local farmers to implement eco-friendly conservations efforts. These efforts include the development of an eco-friendly brand named Tian Bie Rice (literal translation: giant waterbug rice). The implemented measures include the following: purchasing rice at a guaranteed price, enabling contract farming, providing farming support through expert personnel, and engaging in actual farming. Alongside the aforementioned measures, the maintenance of rolling discussions and modifications as well as the constant modification of farming operations through ecological system monitoring have resulted in considerable habitat improvement.

Keywords: *Lethocerus indicus*, eco-friendly farming, farmland conservation