

畜產試驗場

► Experimental Animal Farm

成立宗旨

畜產試驗場成立於民國四十八年，八十六年將校內之乳牛群遷至目前烏日區溪心壩牧場。設置目的是提供本校師生教學、研究及產品推廣之工作。

組織

本場設置場長一人，依功能分為家畜組、家禽組、獸醫組、產品處理組、產品檢驗組與總務組。家畜組以飼養荷蘭牛為主，總牛頭數維持約90頭，其中泌乳牛約30-35頭，全場牛隻餵飼完全混合日糧（TMR）。家禽組以台灣土雞之育種及保種為主，目前計有19個品種，總計3000隻雞。



▲畜產試驗場各種乳製品
Various products of experimental animal farm

功能

1. 提供學生實習場：搭配課程的學習，學生可以實際操作牛隻的飼養管理、TMR的調製、擠乳作業、人工授精與仔牛的管理等；家禽方面學生可以實際操作防疫注射、種雞產蛋管理、人工授精、種蛋孵化與系譜配種。產品製造可以學習各種乳製品加工，包括鮮乳、優酪乳、優格、冰棒及冰淇淋等。
2. 研究：不同育種或保種的品系雞隻，提供產蛋及產肉功能性基因體研究的材料，同時，雞胚的發育及雞隻不同羽毛的圖案及顏色，作為發育生物研究的材料。
3. 產業推廣：將本校研究的成果，提供不同雜交的土雞、保種土雞給農民飼養，協助建立品牌雞的生產。



▲畜產試驗場大門
Main gate of experimental animal farm



▲畜舍與牛群
Stall and cows



▲育種及保種雞群
Breeding and conserved local chickens

Establishment Objective

The NCHU Experimental Animal Farm was established in 1959. A herd of dairy cattle was moved to the farm in Wuri District, Taichung City, in 1997. The main purpose of establishing the farm was to provide teaching and research materials, in addition to promoting animal products.

Organization

The farm is led by the director, and comprises six divisions, including the Farm Animal group, Poultry group, Veterinarian group, Processing group, Product Inspection group, and General Affairs group, who manage different businesses conducted at the farm. At present, Holstein dairy cattle are the main farm animals on the farm, in addition to dairy goats. The number of cattle herd is maintained at approximately 90, of which 30–35 are in milk. The cattle on the farm are fed with a total mixed ration (TMR). Breeding and conservation of Taiwan country chickens are the main missions of the Poultry group. At present, 19 lines of Taiwan chickens and 3000 chickens are sustained on the farm.

Missions

Three main missions for the Experimental farm are as follows :

1. Provide practical training :

Students can apply what they have learned in the classroom to the Experimental Farm, including management of the dairy farm, TMR formulation and processing, milking operation, artificial insemination in cattle, and management of the young in the Farm Animal group. In addition, students can conduct chicken vaccination programs, engage in the management of laying birds, artificial insemination in chicken, egg incubation, and the pedigree breeding program. In addition, the Processing group can provide opportunities for students to learn the various processing protocols of different dairy products, including fresh milk, yogurt, Popsicle, and ice cream.

2. Provide research materials :

The lines of Taiwan native chickens kept on the Experiment Farm could provide materials for functional genomics study on the traits of egg production or meat production. In addition, the chicken embryos as well as the various plumage and feather morphologies can be applied to the study of developmental biology.

3. Promote animal industry and animal products :

The hybrid chicken derived from the pedigree breeding program or from the conservation flocks can be transferred to local chicken farms. The Experimental Farm can assist farmers in establishing branded chickens by raising these chicken lines.