



乳牛健康監測智慧化管理系統

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簡歷：

<https://scholars.lib.ntu.edu.tw/cris/rp/rp07198>



市場及需求:

乳牛牧場的管理工作複雜且繁瑣，在管理上最在乎的是牛隻的生產、健康與繁殖，其中影響最關鍵的為熱緊迫管理。而這些管理工作都要耗費人力一一調閱各自自動化系統的紀錄，比對紀錄、判斷正確性、決定處理的必要性與急迫性。本技術所開發之系統可以連結分項系統資訊，提供警訊提醒，自動調控降溫系統運作，以達到智慧化管理的運作模式，節省人力及時間成本，提升酪農產能。

技術摘要:

本技術所開發之整合管理軟體系統可以連結各分項系統資訊、提供警訊提醒，由系統發出指令分別調控風扇、噴霧、灑水的運作，並且自動回饋追蹤牛的採食、飲水等行為是否逐漸回復正常。

優勢:

本技術所開發之管理系統可提出預警並自動調控降溫設施，大幅降低人力成本及時間成本，監測電力消耗，透過有效紓解熱緊迫抑制產乳量的減少。快速佈建於不同的畜牧場地，同時提供適地性的調控策略建議。

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Intelligent Management System of Dairy Cattle Health Monitoring

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Experience:

<https://scholars.lib.ntu.edu.tw/cris/rp/rp07198>



Market Needs:

The work in a dairy farm is complicated and burdened. The most important things of managing a dairy farm are the cattle's production, health and breeding. These require manual reviewing records of every automation system, comparing the records, determining the correctness, and handling priority as well. The Intelligent Management System can link sub-system information to provide warning reminders. It automatically controls the operation of cooling system, saves labor and time costs, and increases the productivity.

Our Technology:

The Intelligent Management System can link the information of each sub-system and provide warning reminders. The system commands to control the operation setting of fan, sprinkling and mist. Automatically feedback feeding and drinking activities to reveal whether the behavior of the cattle gradually returns to normal.

Strength:

The Intelligent Management System provides early warning and automatically control the cooling facilities, reduces labor and time costs, and monitors power consumption. Its effective relieving heat stress function can refrain the reduction of milk production. It can be quickly applied to different dairy farm and also provided with adaptability advice.

Contact (do not need to fill out):

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