



IAEA

Atoms for Peace: The First Half Century

1957-2007

Improving milk and beef production in Honduras

The challenge...

This project focused on improving the nutrition and health conditions of cattle, with a view to improving the living conditions of small and medium-scale Honduran stock-breeders.

This was achieved by introducing feed supplementation strategies for cattle, drawing on plant resources that were readily available in the region.



The project...

With IAEA assistance and using nuclear and related techniques, the project team obtained new data on the nutritional quality of locally available feed resources, in particular forage crops.



The impact...

Using the information on forage crops, low-cost feeding strategies have been developed on farms, using locally available resources. These have been shared with a large number of farmers. This will enhance the efficiency and productivity of milk and beef production, and will bring greater returns for farmers.

Honduran agriculture experts have also applied technologies, including progesterone testing with radioimmunoassay, that allow them to monitor the reproductive efficiency of cows and to improve the effectiveness of artificial insemination.



HON/5/002: Improving the nutritional and sanitary conditions of cattle through nuclear methods