



IAEA

International Atomic Energy Agency

Atoms for Peace

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Improving livestock productivity through integrated techniques in Africa

The challenge...

Livestock farming is an important source of animal based food products and income for many African countries. Over the past two decades, the IAEA has assisted African Member States to optimize livestock productivity through improving animal nutrition, animal reproductive efficiency, and the diagnosis and control of major endemic animal diseases.



The project...

This regional project aimed to improve livestock productivity through the development of appropriate selection criteria for genetically improved livestock, instituting integrated management, nutrition and health care practices and using modern reproductive techniques. The project utilized integrated technologies including artificial insemination, radioimmunoassay progesterone measurement and ultrasonography.



The impact...

Through this integrated project, improved methodologies for selecting breeding stock, diagnosing non-pregnancy and infertility and assessing adequate supplementary feeding have been developed.

Ultimately, the project will result in substantial increases in meat and milk productivity in African countries, thus increasing farm profitability, improving farmers' socio-economic status and reducing the importation of animal by-products. This is an important contribution to national and regional food security.

RAF/5/054 Improvement of Livestock Productivity through an Integrated Application of Technologies (AFRA III-4)