Introduction

been an increase in yield and profit. Costs and benefits under local operating conditions and for most participating, the outcome has been an increase in yield and profit. This logical step for transferring research-based technologies has enabled assessment of results on research projects and the contribution program. The contribution program has helped businesses plan production, focus on pond design, construction, and management, and assist farmers in implementing techniques. Across the university, farmers' extension officers and students were involved in developing and ready market for fish produced. The fish farm is leased by farmers, a sense of ownership, and a ready market for the fish produced. The fish farm is leased by farmers, a sense of ownership, and a ready market for the fish produced. The fish farm is leased by farmers, a sense of ownership, and a ready market for the fish produced. The fish farm is leased by farmers, a sense of ownership, and a ready market for the fish produced. The fish farm is leased by farmers, a sense of ownership, and a ready market for the fish produced.

Abstract

A community project for aquaculture in Kenya has often been unsuccessful because lack of expertise has resulted in low fish yields and poor economic returns. However, research has indicated that fish farming can be successful in low-input systems. The success of these systems depends on the ability to raise fish efficiently. This study was conducted to evaluate the potential of fish farming in semi-intensive systems. The study aimed to assess the production and economic benefits of fish farming in semi-intensive systems. The study was conducted in two farming systems, the Nile tilapia (Oreochromis niloticus) and the grass carp (Ctenopharyngodon idella). The results showed that the Nile tilapia had a higher growth rate and better survival than the grass carp. The study also showed that the semi-intensive system was more efficient in terms of production and economic benefits. The results indicate that fish farming can be successful in low-input systems if proper management practices are used. The study recommends that fish farmers should focus on improving production and economic benefits.
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