



RESEARCH PAPER

Integrated farming systems and constraints faced by the farmers in different farming situations of NTR district of Andhra Pradesh

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Abstract : The present study was conducted during 2022-23 to investigate the viable integrated farming systems models and constraints in different farming situations in Krishna district of Andhra Pradesh. The results found that there were six farming systems identified, namely, Nagarjuna Sagar Project Canal chalka, Red soil, Nagarjuna Sagar Project Canal chalka Red soil, Rainfed black soils, Rainfed red soils and Tankfed soils were the major farming situations in Krishna district. The paper explains important crops in different farming situations, constraints faced in the farming situations, and suggestions to overcome the constraints in the farming situations.

Key Words : Integrated farming systems, Farming systems, Constraints, Suggestions

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INTRODUCTION

Integrated farming systems (IFS) refers to Agricultural systems that integrate live stock (Farm animals), Fish and may sometimes may also be known as integrated bio systems. Integrated farming systems seem to be the possible solution to the continuous increase of demand for food and nutrition, income stability and livelihood upliftment particularly for small and marginal farmers with little resources (Sanjeev Kumar *et al.*, 2018). With this back ground this study was taken up to identify viable IFS model to improve profitability of

farming in a unit of land.

Integrated farming system is a sustainable agricultural system that integrates livestock, crop production, fish, poultry, tree crops, plantation crops and other systems that benefit each other. It is based on the concept that 'there is no waste' and 'waste is only a misplaced resource' which means waste from one component becomes an input for another part of the system. IFS approach is considered to be the most powerful tool for enhancing profitability of farming systems especially for small and marginal farmers to make them bountiful.

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