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RESEARCH ARTICLE.....

Relative efficiency of rice-fish-duck production under integrated and conventional farming systems

KALPANA MANDAVI, S.P. SINGH, ASHUTOSH DUBEY, MANISHA CHAUDHARY AND RAJIV DIXIT

ABSTRACT..... The mono-cropping system of farming is most prevalent in most parts of the Chhattisgarh. However, the mono-cropping system has certain disadvantages as compared to that of integrated farming systems. Thus, to evaluate the efficacy of this system a study was conducted to determine the relative efficiency of integrated rice-duck-fish farming as compared to conventional rice-rice, duck-duck and fish-fish farming system. For present investigation, a field experiment was conducted at Integrated farming system model developed on 1.0 hectare of irrigated land at the farmer's field of Raigarh district. The data was calculated for its economics based on the rates prevailing during the study period while, labour requirement for various activities in duckery and fish production were recorded and given in man days per hectare. The system productivity, B:C ratio, employment generation was higher for IFS. The labour use efficiency was higher for fish-fish, duck-duck farming systems as compared to Integrated farming system. Thus, we can conclude that Integrated farming system was much better, economical and profitable as compared to that of mono-cropping system of farming.

KEY WORDS..... Integrated farming system, System productivity, B:C ratio, Employment generation

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