

RESEARCH PAPER

Effect of socio-economic determinants on gross income of non-residential farm in Parbhani district of Maharashtra

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ABSTRACT

Investigation was carried out during the year 2014-15. In all 48 non-residential farms were randomly selected from sixteen villages of two tehsils in Parbhani district of Maharashtra. Data were related to cropping pattern and livestock pattern as well as socio-economic determinants. The results revealed that operational land holding showed highly significant on non-residential farm with regression co-efficient of 5880.0. It means that addition of one hectare could cause to increase gross income of Rs. 5880.0. Regression co-efficient of livestock was 2010.0. It means that addition of one livestock could cause to increase gross income of Rs. 5841.99. On the contrary, distance of farm from village showed negative regression co-efficient of -3535, it could adversely affect gross income of Rs. 3535. Thus, the farmers have to give more importance to land holding, livestock and distance of farm from village in order to increase gross income on non-residential farm. Co-efficient of multiple determination (R^2) was 0.622, it means that there was 62.20 per cent effect of all independent variables together to gross income on non-residential farm.

KEY WORDS : Non-residential farm, Regression co-efficient, Gross income, Linear function

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