

## IMPACT OF NATIONAL FOOD SECURITY MISSION-WHEAT IN MADHYA PRADESH - A TIME SERIES ANALYSIS

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### ABSTRACT

*The present study highlighted the impact of National Food Security Mission-Wheat (NFSM-W) on growth of area, production and productivity of wheat along with input use, financial progress under NFSM-W in Madhya Pradesh. The relationship between percentage change in NFSM-W expenditure and percentage change in irrigated area, fertilizer consumption and area & production of wheat in the state was also analyzed. The study is based on the time series secondary data for the period of 1997-98 to 2011-12 and classified into 9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup> Five Year Plans (FYPs). The 11<sup>th</sup> FYP has been compared with 9<sup>th</sup> and 10<sup>th</sup> FYPs to observe change in area, production and productivity by using Average Annual Growth Rate (AAGR). The growth of area, production and productivity was found to be negative in 9<sup>th</sup> FYP which turned into positive in 11<sup>th</sup> FYP. The growth in irrigation intensity, cropping intensity and fertilizer consumption were also accelerated during 11<sup>th</sup> FYP as compared to 9<sup>th</sup> and 10<sup>th</sup> FYP. The correlation between percentage change in NFSM-W expenditure with percentage change in Net Irrigated Area (NIA), percentage change in fertilizer consumption and percentage change in area of wheat were found to be 0.84, 0.81, 0.81 respectively, showing significant positive and high correlation, while correlation with production of wheat was found to be non-significant but positive (0.44) and moderate. As far as financial progress of NFSM-W is concerned, the percentage achievement over amount released was also found to be increased from 23.32% (2007-08) to 119.97% (2011-12) during the 11<sup>th</sup> FYP.*

**KEYWORDS:** Impact, National Food Security Mission, Wheat, Madhya Pradesh

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