



**RESEARCH PAPER**

# Relationship between independent variables of wheat growers and technological gap among different categories of farmers in Malwa region Madhya Pradesh

Mangi Lal Jat\* and D.K. Jaiswal

Department of Extension Education, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur (M.P.) India  
(Email: [mangilalgodara9546@gmail.com](mailto:mangilalgodara9546@gmail.com))

**Abstract :** Wheat is a grass that is commonly farmed for its seed, a cereal grain that is a staple diet all over the world. The genus *Triticum* has several wheat species, the most frequently grown of which being common wheat (*T. aestivum*). The wheat kernel is a caryopsis, which is a sort of fruit. Despite the fact that wheat has been grown in northern India for a long time, many farmers are unfamiliar with wheat and its new varieties' production procedures. The present study was conducted to know their relationship between profile of wheat growers and technological gap among different categories of farmers in Malwa region (M.P.). 324 wheat growers, 9 farmers (3 big, 3 medium and 3 small farmers) were selected randomly from each (thirty-six) selected village of nine blocks of Hosangabad, Hadra and Sehore districts. The correlation co-efficient between age, knowledge found to have negative non-significant and education, social participation found to have positive and significant with technological gap among different categories of farmers. The correlation co-efficient between area under wheat crop, extension contact, material possession, farm power, economic motivation, scientific orientation, adoption level had positive and significant relation with technological gap among different categories of farmers. The correlation co-efficient between risk preference and technological gap had negative and significant relation.

**Key Words :** Wheat growers, Correlation co-efficient, Independent, Variable, Technological gap, Profile characteristics

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