Naveen Shodh Sansar (An International Refereed / Peer Review Multidisciplinary Research Journal)
RNI No.- MPHIN/2013/60638, ISSN 2320-8767, E- ISSN 2394-3793, Scientific Journal Impact Factor (SJIF)- 8.054,
October to December 2025, E-Journal, Vol. I, Issue LII (52), ISO 9001:2015 - E2024049304 (QMS)

# Agricultural Diversification and Its Impact in Bilaspur District, Chhattisgar

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**Abstract:** Agricultural diversification is increasingly recognized as a key strategy for enhancing farm income, reducing risk, and promoting sustainable rural livelihoods. The present study examines the nature and extent of agricultural diversification in Bilaspur district of Chhattisgarh and evaluates its socio-economic impact on farmers. Using secondary data collected from district statistical handbooks, horticulture reports, and published research, the study analyzes changes in cropping patterns with special emphasis on the shift from traditional paddy cultivation towards pulses, oilseeds, and vegetables. The findings reveal that although paddy continues to dominate the agricultural landscape, diversification into high-value crops has contributed to higher income, employment generation, and improved resilience among farming households. However, constraints such as inadequate irrigation, price volatility, and lack of post-harvest infrastructure limit the full potential of diversification. The study suggests strengthening market linkages, irrigation facilities, and extension services to sustain diversification in the district.

**Introduction -** Agriculture forms the backbone of the rural economy of Bilaspur district in Chhattisgarh. A majority of the population depends directly or indirectly on agricultural activities for their livelihood. Traditionally, the district has been characterized by paddy-dominated cropping systems owing to favorable agro-climatic conditions, monsoon rainfall, and cultural preferences. However, increasing population pressure, declining landholdings, climate variability, and changing market demands have necessitated a shift towards diversified agricultural practices.Agricultural diversification refers to the movement of farm production away from a single dominant crop towards a more varied combination of crops and allied activities. It plays a significant role in improving income stability, reducing production risks, enhancing soil fertility, and promoting nutritional security. In recent years, Bilaspur district has witnessed gradual diversification into pulses, oilseeds, vegetables, and horticultural crops. Understanding the patterns and impacts of this transition is essential for planning sustainable agricultural development in the region.

**Review of Literature**

Several studies conducted at national and state levels emphasize the importance of crop diversification in enhancing agricultural sustainability. Research on Chhattisgarh indicates that diversification from paddy to pulses and vegetables has a positive impact on farm income and employment, particularly for small and marginal farmers. Studies focusing on Bilaspur district reveal a consistent increase in the area and productivity of vegetables such as tomato, cauliflower, and okra.Previous researchers have also highlighted that diversification helps reduce vulnerability to climatic risks such as droughts and irregular rainfall. However, the literature also points to several challenges including limited irrigation facilities, lack of cold storage, poor market access, and price fluctuations. Despite these constraints, diversification is widely regarded as a viable pathway for inclusive agricultural growth in regions like Bilaspur.

**Methodology:** The present study is based entirely on secondary data. Data were collected from district statistical handbooks, reports of the Department of Agriculture and Horticulture, Government of Chhattisgarh, and published research articles related to agricultural diversification. The study period broadly covers recent years (2018–2023).

Descriptive statistical techniques such as percentages and comparative analysis were employed to examine changes in cropping patterns. Crop-wise area distribution was used as an indicator of diversification. The analysis focuses on major crop groups including paddy, pulses, oilseeds, and vegetables. Due to the secondary nature of the data, the analysis is limited to district-level trends.

**Analysis and Discussion:** The analysis of cropping patterns in Bilaspur district indicates that paddy remains the dominant crop, occupying more than half of the gross cropped area. Nevertheless, a gradual increase in the area under pulses, oilseeds, and vegetables is evident. Vegetable cultivation, in particular, has expanded rapidly in areas with better irrigation and market access.

Diversification has positively influenced farm income as vegetables and pulses generally provide higher returns per hectare compared to paddy. It has also contributed to employment generation, especially during harvesting, grading, and marketing activities. However, farmers engaged in vegetable cultivation face higher risks due to perishability and price volatility. The lack of storage and processing facilities further exacerbates these challenges.

**Table 1: Cropping Pattern in Bilaspur District**

| Crop Category | Approx. Area Share (%) | Remarks |
|---|---|---|
| Paddy | 60–65 | Dominant kharif crop |
| Pulses | 8–10 | Improves soil fertility |
| Oilseeds | 5–7 | Moderate expansion |
| Vegetables | 10–15 | High-value crops |
| Others | 5–8 | Fodder and minor crops |

**Conclusion:** The study concludes that agricultural diversification in Bilaspur district has emerged as an important strategy for enhancing farm income, employment, and resilience against climatic uncertainties. While paddy continues to dominate the cropping pattern, the increasing adoption of pulses and vegetables reflects a positive transition towards diversified agriculture. To sustain and strengthen this trend, policy interventions focusing on irrigation development, market infrastructure, extension services, and price support mechanisms are essential.

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