

**“Evaluating Modern Agricultural Innovations and
Agriculture productivity in Chirawa FPO:
A Study from Farmers’ and Shareholders’ Perspectives.”**

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Chirawa Farmer Producer Company Ltd.



Location: Chirawa, Jhunjhunu (Raj.)



Date of Registration: 29th Aug. 2016



Board of Members : 11(1 Female)



Shareholders : 1040

Authorized Share Capital – Rs. 10 Lakh
Equity Share – Rs.100/-



Members in Business : 3320





Pillars of Chirawa Farmer Producer Company



**Chirawa farmer producer
Company Ltd.**

BOD's

CEO

Marketing Officer

Farmer club - 135





Our Service & Product



**Advisory Services
To The Farmers**



Output Marketing



Input Support



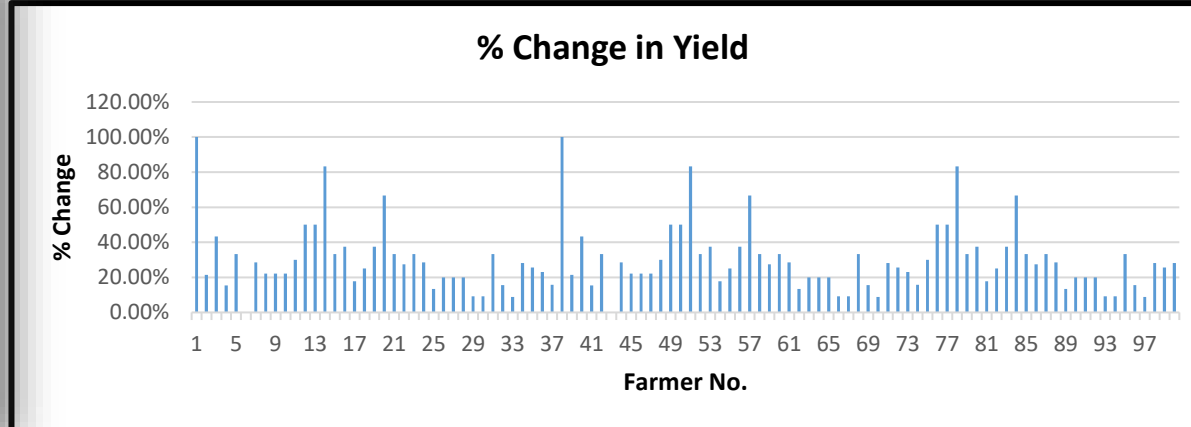
**Training Capacity
Building**



Technology Support



% Change in Yield



Key Observations:

- **Widespread Positive Change:**

Every farmer experienced a positive percentage change in yield, indicating that the interventions had a universally beneficial impact across all respondents.

- **Variation in Yield Improvement:**

The percentage increase in yield varies significantly among farmers. While many farmers saw moderate improvements (20%–40%), several achieved substantial gains, with a few individuals reporting yield increases of 80% to 100% or more.

- **Majority in Moderate Range:**

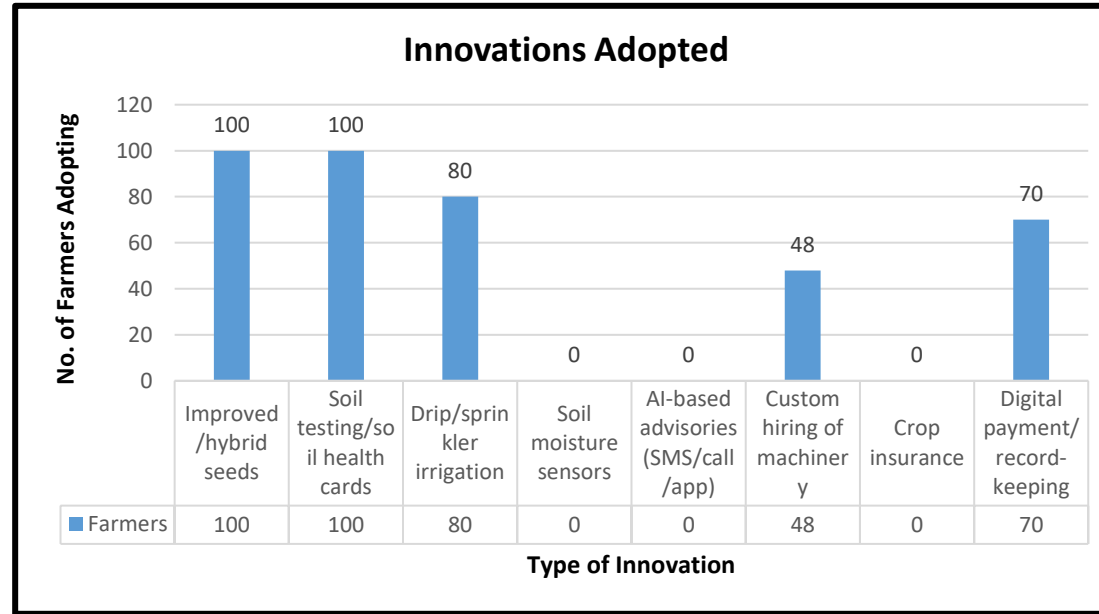
Most farmers fall within the 10%–40% improvement range, suggesting that while the interventions were broadly effective, the magnitude of benefit depended on factors such as the level of technology adoption, crop type, land quality, and individual farming practices.

- **Outliers with Exceptional Gains:**

A handful of farmers (e.g., Farmer No. 1, 13, 37, 52, 79) experienced exceptionally high percentage increases, possibly due to optimal use of new technologies, better access to resources, or favorable local conditions.



Adoption of Agricultural Innovations by Farmers



High Adoption Innovations

- **Improved/hybrid seeds** and **soil testing/soil health cards** both achieved 100% adoption rates, indicating these foundational agricultural improvements have been successfully integrated into farming practices.
- **Drip/sprinkler irrigation** shows strong adoption at 80%, demonstrating farmers' recognition of water management benefits.

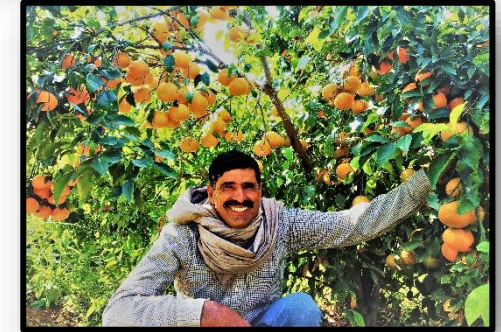
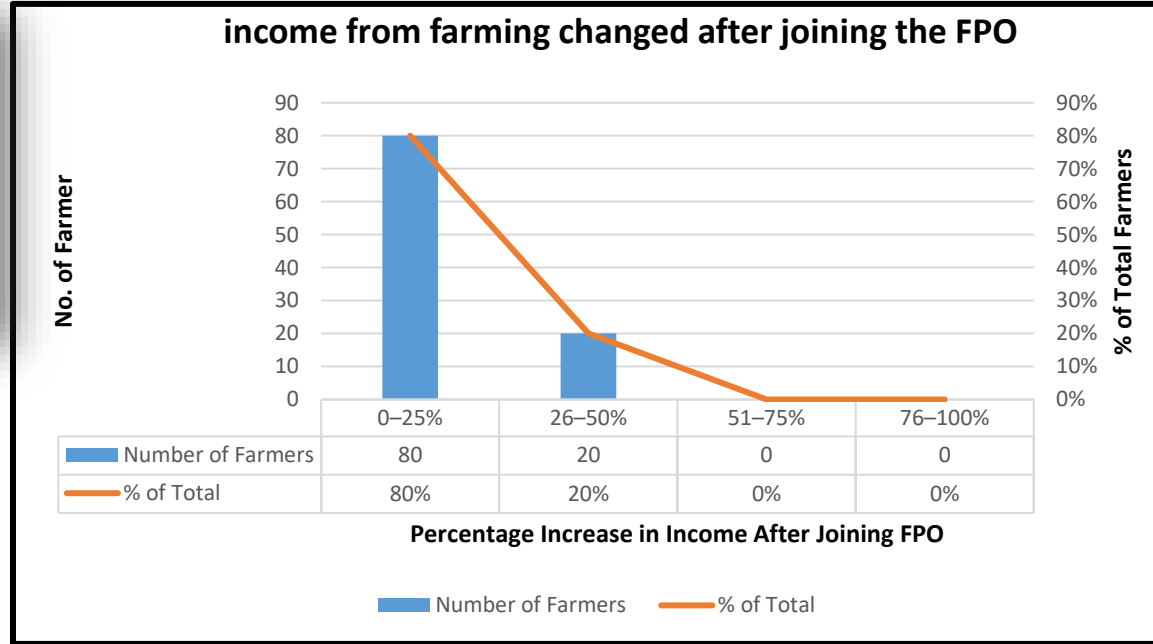
Moderate Adoption Technologies

Digital payment/record-keeping systems achieved 70% adoption, suggesting farmers are increasingly embracing digital financial tools for agricultural transactions. Custom hiring of machinery reached 48% adoption, indicating that shared equipment usage is becoming a viable option for farmers who may not be able to afford individual machinery purchases.





Income from farming changed after joining the FPO



- **Majority of Farmers (80%)** experienced a modest income increase (0–25%) after joining the FPO.
- **A smaller group (20%)** saw a somewhat higher increase (26–50%).
- **No farmers** reported income increases above 50%.



Success Story

FARMER NAME- VIDHAN CHANDRA, VILLAGE- LAMBAGOTHRA (CHIRAWA)

Particular	Before Intervention	After Intervention
Crop Intervention	Cluster bean, Gram & Bajara, Mustard)	Vegetables Crops (Cabbage, Brinjal, Chilli, Tomato, Watermelon, & Kinnow)
Area	3.75 Acre	3.75 Acre
Modern technology	Nil	Drip irrigation, with Farm Pond, Farm Protection
Earning (In Rs.)	1,35,000	6,00,000
Enhance Income (Rs.)		4,65,000 (344%)





Learnings

Real-world Learning

- ◆ Working directly with the Ambuja Foundation and the Chirawa FPO gave me a practical understanding of how grassroots agricultural interventions are implemented and how they connect with broader rural development goals.

Stakeholder Interaction

- ◆ Interacting with farmers, FPO leaders, and local community members provided me with firsthand insight into the challenges and aspirations of rural households, and deepened my appreciation for the value of collective action.

Analytical Growth

- ◆ Designing survey tools, conducting fieldwork across 25 villages, and analyzing both quantitative and qualitative data significantly strengthened my skills in research design, data interpretation, and evidence-based reporting.

Personal Takeaway

- ◆ This experience reinforced my commitment to inclusive rural development and highlighted the importance of listening to community voices when designing and evaluating impactful projects. It has inspired me to pursue a career where I can contribute meaningfully to grassroots



Key Impacts/Findings

Economic Improvements

- Increased Income
- Reduced Input Costs
- Access to Credit and Financial Services

Social and Livelihood Changes

- Improved Standard of Living
- Empowerment and Social Cohesion
- Knowledge and Skill Enhancement
- Agricultural and Professional Transformation
- Adoption of Modern Practices
- Market Linkages and Reduced Dependence on Middlemen



Glimpse



Thank You...