***Original Research Article***

**Farmer Producer Companies (FPCs) in Rajasthan: A Profile**

**Abstract**

This study examines the profiling of Farmer Producer Companies (FPCs) in Rajasthan, highlighting their significance in enhancing the well-being of smallholder farmers. The study was conducted during 2022-23 in Rajasthan with 30 sample sizes. 30 FPCs were selected in proportion based on their business activities. The analysis reveals that 95 percent of FPCs in Rajasthan have been established for 5 to 10 years. A significant proportion of these organizations, 77 percent, have an annual turnover of up to 50 lakh INR, while 70 percent possess share capital ranging between 5.1 to 9.9 lakh INR. Community engagement is evident, as 46.67 percent of FPCs have between 500 to 750 shareholders. Gender diversity within these organizations is notable, with 30% of board members being female, suggesting a need for increased promotion of women's participation. The profile of CEOs indicates that 70 percent have up to 7.5 years of experience and are over 35 years old, with most being full-time, paid executives earning up to 4 lakh INR annually. The study identifies garlic as the region's predominant product procured by FPCs. These findings underscore the pivotal role of FPCs in fostering agricultural development and community involvement in Rajasthan.

**Introduction**

Rajasthan is the largest state in India, taking up 10.41 percent of the country's total land area. It faces difficult agricultural conditions because of its semi-arid and desert environment, irregular and low rainfall, and paucity of water. Agriculture is a key sector of the state's economy in spite of these obstacles. Approximately 65 percent of Rajasthan's people make their living from agriculture. Water availability affects the cultivation of crops such as Pearl millet, maize, chickpea, mustard, cluster bean wheat, barley, pulses, oilseeds, and cotton; contemporary methods like drip and sprinkler irrigation are being used more and more. Rajasthan receives 576 mm of rainfall on average each year. Livestock husbandry is essential for producing food resources and revenue, especially for breeds suited for arid settings.

As per the Agriculture Census 2015-16, total number of operational land holdings in the State is 76.55 lakh. The area under marginal, small, and semi-medium land holding categories in the year 2015-16 has recorded an increase of 19.79 percent, 10.50 percent, and 5.67 percent respectively in comparison to the year 2010-11. As per the Agriculture Census 2015-16, the average size of operational land holdings in the State was 2.73 hectares whereas it was 3.07 hectares in 2010-11, showing a decline of 11.07 percent. In 2022-23, Agriculture and allied sectors contributed 28.95 percent in Rajasthan's Gross State Value Added (GSVA) at current prices of 28.56 percent in 2011-12. In the year 2020-21, the state of Rajasthan has the first position in the production of Bajra, rape & mustard, Nutri-cereals, total oilseeds and guar crops. Rajasthan contributes 41.71 percent of total Bajra production in the country.

Farmer Producer Companies (FPCs) reveal a transformative model to empower farmers by fostering collective action and ensuring fair returns for their produce. These entities, often formed under the Companies Act, combine farmers to pool resources, share knowledge, and collectively market their agricultural products. Around 70 to 80 percent of FPCs membership is held by small/marginal farmers (Valamannavar & Sumanth 2019).

The main aim of the Farmer Producer Company is to ensure a better income for the producers through an organization of their own. Small producers do not have the volume individually to get the benefit of economies of scale (Shree & Vaishnavi 2022). In addition to enhancing bargaining power with buyers, FPCs also facilitate access to credit, inputs, and technology, thereby promoting sustainable agricultural practices. The rise of FPCs marks a shift towards farmer-centric approaches in agriculture, emphasizing inclusivity and community-driven initiatives.

The Y. K. Alagh Committee's recommendations led to the Parliament amending the Firms Act on February 6, 2002, adding a new section on producer firms, IXA. Producer companies, together with companies limited by guarantees, public limited and private limited companies, and unlimited businesses, have been referred to as the fourth form of corporate entity since the amendment. Such an attempt aimed to create laws that would allow cooperatives to be incorporated as businesses or to convert already-existing cooperatives into firms, all the while guaranteeing that business practices adhere to cooperative values. The Registrar of Companies (RoC) is where FPCs are incorporated. By the end of 2009, about 150 producer firms had registered as FPCs using the established statutory process, either as a new business or by converting already-existing cooperatives. Except for the fact that only entities, either individuals or institutions like cooperatives or self-help groups (SHGs), associated to primary production, are able to organize or join FPCs, the structure and operations of FPCs are comparable to those of any limited business.

**Research Methodology**

A comprehensive list was prepared of Farmer Producer Organizations (FPOs) along with their respective business activities. The study aimed to encompass all business activities within the sample in a proportional manner.

Sampling Method: - In Rajasthan, a total of 30 working NABARD sponsored Farmer Producer Companies were selected based on the diversity of their business activities.

Data Analysis: - For the analysis of the collected primary data, tabular analysis was employed in this study.

**Result and discussion**

**Farmer Producer Companies (FPC’s)**

Farmer Producer Company concept came into India in 2004. A decade after the first producer company was officially registered in India, (Trebbin, 2014). Now India has about 8000 registered FPCs. Rajasthan has 395 registered FPCs. Out of 395 FPCs, 179 FPCs are registered under project 10000 FPO, which is 45 percent of the total registered FPCs in Rajasthan. It is followed by 166 (42percent) FPCs that are registered under NABARD and 50 (13percent) FPCs registered under SFAC( Small Farmer Agribusiness Consortium).

**Table 1. Number of registered FPCs in Rajasthan till 2023**

|  |  |  |  |
| --- | --- | --- | --- |
| S. No. | Authority | Number of FPC | Percentage |
| 1 | SFAC | 50 | 13 |
| 2 | NABARD | 166 | 42 |
| 3 | 10 K FPO Project | 179 | 45 |
|  | Total | 395 | 100 |

**Profiling of FPCs in Rajasthan**

A comprehensive profiling and categorization approach was utilized to comprehend the fundamental characteristics displayed by Farmer Producer Companies (FPCs). The study selected a sample of 30 FPCs from the Rajasthan (Appendix -I). The selection criteria were based on business activity and commodity dealing by FPC. Here NABARD sponsored FPC was purposely selected.

**Table 2 Business activity of NABARD-sponsored FPC in Rajasthan- 2022**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Business Activities of NABARD Sponsored FPC** | **Engaged FPC** | **Percentage** |
| 1 | Marketing | 31 | 22 |
| 2 | Input Sale | 39 | 27 |
| 3 | Aggregation of output | 14 | 10 |
| 4 | Input sale and Aggregation of output | 35 | 24 |
| 5 | Input sale and Marketing | 15 | 10 |
| 6 | Value addition | 9 | 6 |
|  | Total | 143 | 100 |

The table 2 provides a comprehensive overview of the business activities undertaken by Farmer Producer Companies (FPCs) sponsored by the National Bank for Agriculture and Rural Development (NABARD). The data indicates a diverse range of business activities among these FPCs, with a total of 143 FPCs engaged in various functions. The most prevalent activity is input sales, with 39 FPCs (27%) involved in this domain. This indicates a strong emphasis on providing essential agricultural inputs to farmers, which can include seeds, fertilizers, and pesticides. Following closely, 35 FPCs (24%) engage in both input sales and the aggregation of output, highlighting a dual approach that not only supplies inputs but also helps in collecting and consolidating produce from farmers for further sale or processing.

Marketing activities are also significant, with 31 FPCs (22%) focusing on this area. This shows the importance placed on market access and the ability to sell agricultural products effectively, ensuring better prices and reduced market uncertainties for farmers. Additionally, 15 FPCs (10%) combine input sales with marketing, further illustrating the integrated strategies adopted by these organizations to support farmers throughout the production and sales cycle. Aggregation of output alone is the focus for 14 FPCs (10%), emphasizing their role in collecting and possibly processing or packaging agricultural produce to enhance its market value. Value addition, although the least common activity, is undertaken by 9 FPCs (6%). This involves processes that enhance the value of raw agricultural products, such as processing, packaging, and branding, which can significantly increase the income of farmers by fetching higher market prices.

**Table 3 Commodity Dealings by FPCs in Rajasthan**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Commodity Dealings by FPCs in Rajasthan** | **Number of FPC** | **Percentage** |
| 1 | Food Grain | 39 | 27 |
| 2 | Horticulture | 13 | 9 |
| 3 | Food Grain with Horticulture | 39 | 27 |
| 4 | Poultry | 3 | 2 |
| 5 | Dairy with Food Grain | 34 | 24 |
| 6 | Dairy with Goatery | 1 | 1 |
| 7 | Horticulture with dairy | 4 | 3 |
| 8 | Gaotery | 9 | 6 |
| 9 | Food Grain with Horticulture and Dairy | 1 | 1 |
|  | Total | 143 | 100 |

Table 3 provides detailed insights into the commodity dealings by Farmer Producer Companies (FPCs) in Rajasthan, showcasing the diversity in their agricultural engagements. Out of the total 143 FPCs, a significant number are involved in the handling and processing of various commodities. Food grain is a major focus, with 39 FPCs (27%) exclusively dealing with it. This indicates the primary importance of staple crops in the region's agriculture. Additionally, another 39 FPCs (27%) engage in both food grain and horticulture, highlighting a significant overlap and diversification in crop production and sales. Horticulture alone is managed by 13 FPCs (9%), showcasing a dedicated focus on fruits, vegetables, and other horticultural products. This sector is crucial for providing nutritional variety and potential higher income crops for farmers.

Dairy-related activities also have a notable presence. 34 FPCs (24%) combine dairy operations with food grain, reflecting an integrated approach to agriculture that supports both crop and livestock farming. A smaller number, 4 FPCs (3%), combine horticulture with dairy, indicating a strategic diversification to enhance income stability and productivity. Goatery is handled by 9 FPCs (6%), focusing on goat farming which is significant for meat and milk production in certain regions. Additionally, there is 1 FPC (1%) that combines dairy with goatery, and another 1 FPC (1%) that manages food grain, horticulture, and dairy together, representing a highly diversified approach. Poultry is the least engaged commodity, with only 3 FPCs (2%) involved, suggesting either a niche market or an area with growth potential.

**Fig.1 Commodity Dealing by Sample FPCs in Proportion**

The study tries to cover all the business activity and commodity dealing in a proportion in a sample of 30 FPCs in Rajasthan. In our sample 12 (40 percent of the total sample) FPC was selected that was engaged in input sale. 10 (34 percent) FPCs were engaged in input sale and procurement, 4 (13 percent) were engaged in Dairy enterprises. 2 (7 percent) were in input sale and horticulture plants. 1 (3 percent) in Goat rearing and 1 in value addition.

**Age of FPC** The age of FPCs was quantified based on the number of years since its year of registration. Based on age the FPCs were categorized into three groups viz. those in the growth stage (0-05 years), mature stage (05-10 years), and stable stage (>10 years). Registration of FPC in Rajasthan was started with very few number in 2012 and the registration of the FPC was on its peak in the year 2016.

**Fig. 2 Number of registered FPCs in Classified Years**

In the sample 27 FPC’s was registered in 2016 and 2 FPC was registered in 2015. Thus 29 FPC (Around more than 95 percent) is in the maturation stage and 1 FPC is in a stable stage that was registered in 2013.

**Annual Turn Over**

The annual turnover of FPCs in Rajasthan was categorized into 4 categories. 40 percent (12) FPCs have up to 25 lakh annual turnover and 37 percent (11) FPCs have 25 to 50 Lakh INR annual turnover. 10 percent (3) FPC has 50 to 75 lakh INR turnover and 13 percent (4) FPC has more than 75 lakh INR annual turnover.

**Fig.3 Annual turnover of Sampled FPCs in Rajasthan**

**Table 4 Statistics of Annual turnover of FPCs**

|  |  |
| --- | --- |
| Mean | 4580833 |
| Standerd Deviation | 5449636 |
| Minimum Turnover | 300000 |
| Maximum Turnover | 25000000 |

**Share Capital**

**Fig.4 Share capital of sampled FPCs in Rajasthan**

This figure provides insights into the distribution of share capital raised by Farmer Producer Companies in Rajasthan. 70 percent FPC has 5.1 to 9.9 Lakh INR share capital, 20 percent FPC has less than 5 lakh INR and 10 percent FPC has more than 10 lakh INR as share capital in FPC. It is clear from the figure that 90 percent of FPC has up to 10 lakh INR share capital. The share capital can be considered an indicator of the acceptance of FPCs by farmers and the confidence they have in the cluster-based business organization in solving the multitude of problems they face.

**Membership status of FPC**

**Fig.5 Membership status of sampled FPSs in Rajasthan**

The results presented in Figure, provide insights into the distribution of Farmer Producer Companies (FPCs) based on the number of shareholders they possess. The majority of FPCs (46.67percent) fall within the category of having 500-750 shareholders which indicate that a significant share of FPCs have a moderate level of community involvement and support. FPCs with 750-1000 shareholders account for 30 percent of the total.16.67 percent of FPCs have less than 500 shareholders. The large shareholder base, suggests a notable level of participation and interest from the community. FPCs with over 1000 shareholders make up 6.67 percent. While fewer in number, these FPCs have an extensive shareholder base, indicating a significant reach and potentially substantial resources.

**Gender composition of the Board of Directors**

As per the FPC guidelines, it is recommended to have at least 33 percent representation of women on the board, and the results also near to full fill these norms at the operational level in Rajasthan. The results in Figure reveal about a gender balance within the board of directors. Approximately 70 percent of the board members are male and 30 percent of the board members are female leadership within the organization. However, the results suggest the need to promote women-only FPCs to ensure better participation of women, enhance their access to resources and services, and sustain better income. This *interalia* will ensure the promoting supporting mechanisms like Cluster Business Organizations locate value chains with higher women participation, adapt for women to join, and focus on women leadership development.

**Fig.6 Gender Composition of the Board of Directors**

**Frequency of FPC Meetings**

The results in Figure 7 indicate that a significant majority of FPCs (63 percent) in Rajasthan convene monthly meetings. The regular meetings signify active communication and decision-making processes within these organizations. 37 percent of FPC’s convene quarterly meetings in Rajasthan. The prevalence of monthly meetings suggests a proactive and engaged approach to governance and operations.

**Fig. 7 Frequency of meetings in FPCs**

**Execution of Business Plan**

A business plan-based activity schedule has been a mandatory requirement of all FPCs. However, the figure reveals that 57 percent of FPCs encompass a business plan because the majority of FPCs in Rajasthan engaged in input sales and input sales with aggregation so most of them have no business plan. Business plan serves as a critical tool for guiding decision-making processes and ensuring the company's long-term sustainability.

**Fig. 8 Execution of Business Plan**

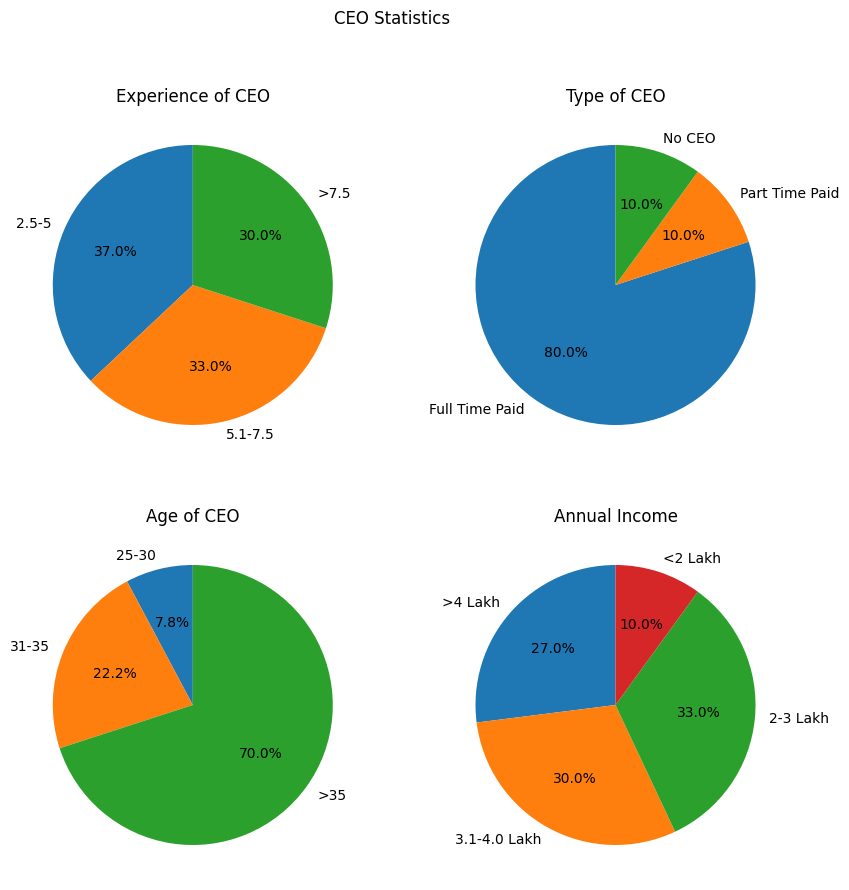
**Management Profile of CEO**

The profile of CEOs employed by FPCs in the region was analyzed based on tenure, age, educational qualification, their domicile status and annual salary emoluments and the results are presented in Figure 9.

**Experience of CEO: -** Experience is an important aspect of running any business activity. In Rajasthan 37 percent CEO has 2.5 to 5 years of experience in FPC running, it was due to a change in CEO in some FPC’s and to create opportunities for youngsters. 33 percent CEO have 5.1-7.5 year experience and 30 percent have more than 7.5 year of experience to run FPC.

**Type of CEO: -** The results presented in the figure revealed that the majority of FPCs (80 percent), in Rajasthan, have chosen to employ a full-time CEO. This suggests a preference for a dedicated and consistent leadership presence at the highest level of the organization. However, a smaller but still significant proportion 10 percent, have opted for a part-time CEO arrangement and 10 percent have not any CEO. The management in these is performed by directors of board. This is an intriguing finding, as it is mandatory to have a CEO to avail the FPC benefits. It suggests that these organizations may be at the starting stage of operation and were in the process of selecting a CEO.

**Age of CEO: -** 7.8 percent of CEOs are in the age group of 25-30 years, which indicates the presence of individuals in the early stages of their professional careers. There were another 22.20 percent, in the 31-35 age group, suggesting a slightly lower representation of individuals in their early thirties. The highest percentage is observed among those over the age of 35, at 70.00 percent, indicating a substantial presence of more experienced professionals, potentially in the mid to late career stages. This diverse age distribution brought a range of perspectives, experiences, and skillsets to the surveyed FPCs, which can be valuable for a variety of contexts such as workforce planning, marketing strategies, technology adoption, and product development.



**Fig. 9 Management Profile of CEO**

**Annual Income: -** Income is based on thinking about a new business plan or investment plan that leads country development. In Rajasthan 10 percent of FPC have less than 2 lakh annual income, 33 percent have 2-3 lakh, 30 percent have 3.1-4.0 lakh and 27 percent have more than 4 lakh annual income from FPC’s.

**Domicile Status and Educational Qualification of CEO: -** Almost all the CEO in Rajasthan is belong to the locality. It is also a basic need to run any social activity, it reduces the communication gap and increases trust among the people. Most of the CEO have bachelor degree and some have PG diploma too in Rajasthan.

**Table 5 Summary of Chief Executive Officer (CEO)**

**Product Profile in Rajasthan FPC’s**

|  |  |
| --- | --- |
| **Experience of CEO** | **Percentage** |
| 2.5-5 | 37 |
| 5.1-7.5 | 33 |
| >7.5 | 30 |
| **Type of CEO** | |
| Full Time Paid | 80 |
| Part-Time Paid | 10 |
| No CEO | 10 |
| **Age of CEO** | |
| 25-30 | 7.8 |
| 31-35 | 22 |
| >35 | 70 |
| **Annual Income** | |
| >4 Lakh | 27 |
| 3.1-4.0 Lakh | 30 |
| 2-3 Lakh | 33 |
| <2 Lakh | 10 |

The Figure provides an overview of the major crop domains associated with FPC products of FPCs along with the corresponding percentage of FPCs dealing with each category. It's evident that these FPCs are actively involved in the procurement and marketing of a wide array of commodities, each of which holds significant economic and agricultural importance.

**Fig. 10 Major Crop and sectorial domains of FPCs in Rajasthan**

The results highlight the presence of various agricultural items in their portfolios. In Rajasthan Garlic is the most prevalent product among FPCs, constituting 26 percent of the total. Additionally, wheat and barley account for 12.3 percent and 1.6 percent respectively of the products. Onion and Mustard, also grown extensively in Rajasthan, make up 8.7 percent and 9.2 percent of the FPC product range. Furthermore, FPCs are engaged in producing other agricultural items like vegetables, Maize, Rice, Bajra, and milk. Urea, DAP, and input sales also constitute a significant percentage in FPC *i.e.* 12.5 percent, 6 percent, and 11.2 percent respectively.

**Quality assurance parameters followed by FPCs**

The results presented in Figure reveal a distinct pattern of quality compliance across different criteria followed by FPCs in Rajasthan.

**Fig. 11 Major Quality Assurance Parameter of FPCs**

It is evident from the results depicted by the figure that in terms of procurement from authorized sources, 76.67 percent of assessments confirmed legitimacy, while 3.33 percent reported otherwise, and 20.00 percent deemed it not applicable. Fresh appearance garnered an overwhelmingly positive response, with 96.67 percent of FPCs attesting to the items' visual freshness and 3.33 percent considering the criterion irrelevant. Similarly, a majority of 93.33 percent found absence of physical impurities as a followed quality assurance parameter, while 3.33 percent identified presence of some physical impurities tolerable, and 3.33 percent marked it as not an applicable criterion for assuring quality. To the cleanliness of the processing area, only 30.00 percent followed the criterion of an affirmed clean processing environment, with 3.33 percent indicating otherwise, and 66.67 percent deeming it inapplicable. Equipment cleanliness was followed by 33.33 percent of FPCs and 66.67 percent found this parameter not feasible. In terms of processing in a covered area, there was 40.00 percent indicated it essential through 'yes' and 3.33 percent indicated 'no', while 56.67 percent considered it not applicable. Assessments of water quality revealed that only 23.33 percent confirmed the use of potable water, while 3.33 percent indicated otherwise, and 73.33 percent found this parameter not applicable. Proper storage containers indicate 80.00 percent appropriate usage and 20 percent marking it as not applicable. Finally, airtight packing garnered a 16.67 percent confirmation, with 3.33 percent indicating otherwise, and 80.00 percent considering this parameter not applicable. This detailed assessment provides valuable insights into the quality control measures of the items or processes under scrutiny, highlighting areas of strength and potential improvement. The presence of a 'Not Applicable' category indicates the tailored nature of these assessments, recognizing that certain parameters may not be universally relevant to every evaluation.

**Social entrepreneurship orientation (SEO)**

An SEO questionnaire was utilized in this study, established by [Kraus et al. (2017)](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8882678/#B71). The SEO construct was derived from four dimensions, namely, 1, social innovativeness, 2, social risk-taking, 3, social pro-activeness, and 4, socialness. Questions were surveyed on a Likert scale of four points, ordering from 1 (strongly disagree); 2 (disagree); 3 (agree); to 4 (strongly agree).

**Table 6 Statistics of Social entrepreneurship orientation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Particulars** | **Social Innovativeness** | **Social risk-taking** | **Social Pro-activeness** | **Socialness** |
| Mean | 3.256 | 2.944 | 3.000 | 2.711 |
| S.D. | 0.591 | 0.548 | 0.653 | 0.674 |
| Max | 4 | 4 | 4 | 4 |
| Min | 2 | 1 | 2 | 1 |
| Median | 3 | 3 | 3 | 3 |

**Market Mix**

Prior to any examination of market orientation, it is essential to establish the conceptual background of market orientation used in this study. The majority of literature examining market orientation takes one of two views, (Homburg and Pflesser, 2000). The marketing mix, also known as the 4Ps, is a foundational concept in marketing that comprises four essential elements: Product (the actual offering), Price (the cost to customers), Place (the distribution channels), and Promotion (marketing and advertising efforts). These elements help companies influence and meet customer needs. Through meticulous assessment and refinement of each of these components, enterprises can construct a persuasive value proposition and establish a competitive advantage in the market. The overall marketing mix was assessed using the scores obtained for each dimension. The distribution of FPCs based on marketing mix followed and not followed is represented.

This figure revealed that 74.76 percent of FPCs followed 7 product statements and 25.24 percent did not follow them. 57.08 percent of FPCs followed 8 price statements and 42.91 percent did not follow. From the 7 place statements 29.05 percent follow and 70.95 percent do not follow and from 6 promotion statements 56.11 percent FPC follows and 43.89 percent FPC does not follow.

**Fig. 12 Market Mix of FPCs**

**Conclusion**

A growing number of studies demonstrate the benefits of Producer organizations in terms of boosting the wellbeing of smallholders (Mojo et al., 2017; Ngeno, 2018, Jhansi et al. 2023). In Rajasthan 95 percent FPC’s are 5 to 10 years old. 77 percent of FPCs have an annual turnover of up to 50 lakh and 70 percent of FPCs have 5.1 to 9.9 Lakh INR share capital. The majority of FPCs (46.67percent) fall within the category of having 500-750 shareholders which indicate that a significant share of FPCs have a moderate level of community involvement and support. In the FPC of Rajasthan 30 percent of the board member are the female within the organization. It suggests the need to promote women in FPCs to ensure better participation of women. In the CEO profile, 70 percent CEO have up to 7.5 year of experience and have age of more than 35 years. Most of the CEOs are full-time paid and around 73 percent have income up to 4 lakh per annum. The study also conclude that Garlic is the most prevalent product that is procured by the FPC in Rajasthan.

**References:**

Farmer Producer Companies (FPCs): A Pathway to Empowerment." Food and Agriculture Organization (FAO).

Mojo, D., Fischer, C. and Degefa, T., (2017), The determinants and economic impacts of membership in coffee farmer cooperatives: Recent evidence from rural Ethiopia. *Journal of Rural Studies*, 50:84–94.

Jhansi, B., Kalal, A. N., & Rajeshwari, N. (2023). Empowering Rural Women through Farmer Producer Organizations (FPOS). *Archives of agriculture and allied sciences*. 17, 193-204.

Ngeno, V. (2018). Impact of dairy hubs on smallholder welfare: Empirical evidence from Kenya. Agricultural and Food Process. Ann Public Coop Econ. 2020; 91:213–236. https://doi.org/10.1111/apce.12269

Singh, R. K., & Bhattacharyya, R. (2019). "Farmer Producer Companies (FPCs) in India: A New Dawn in Agricultural Development." *Agricultural Economics Research Review*, 32, 119-129.

Ministry of Agriculture & Farmers Welfare, Government of India. "National Policy for Farmer Producer Organizations (FPOs)."

Economic Survey-2023.

Agriculture census 2015-16.

Kraus, S., Niemand, T., Halberstadt, J., Shaw, E., & Syrjä, P. (2017). Social entrepreneurship orientation: Development of a measurement scale. *International Journal of Entrepreneurial Behaviour and Research,* *23*(6), 977–997.

Homburg, C., & Pflesser, C.A. (2000). Multiple-Layer Model of Market-Oriented Organizational Culture: Measurement Issues and Performance Outcomes. *Journal of Marketing Research*, 37(4), 449.

Trebbin, A. (2014). Linking small farmers to modern retail through producer organizations – Experiences with producer companies in India. *Elsevier-Food Policy*, 45: 34-44.

Valamannavar, S., & Sumanth, S. (2019). A review on farmer producer organisations: A new dimension to the farmer centric approach. *International Journal of Agricultural Sciences*, *15*(1), 212-216.

Shree, D. N., & Vaishnavi, P. (2022). Challenges faced by farmer producer organisations (FPOs)-A review. *Journal of Agricultural Extension Management*, *23*(1), 131-140.

**APPENDIX- I**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Name of Farmer Producer Company** | **Year of registration** |
| 1 | Dharma Shakti Kishan Agro Producer Company Limited- Jhalawar | 2016 |
| 2 | Awan Farmer Producer Company Ltd. -Kota | 2016 |
| 3 | Mangarh Agro Producer Company Limited-Banswara | 2016 |
| 4 | Vaagdhara Trible Food & Grain Initiatives Producer Company Limited- Banswara | 2013 |
| 5 | Shakti Mahima Producer Company Limited- Kota | 2016 |
| 6 | Shri Kalyan Krishak Producer Company Limited- Tonk | 2015 |
| 7 | Deeg Wheat &Mustard Producer Company Limited- Bharatpur | 2015 |
| 8 | Lasdawan Agro Producer Company- Chittogarh | 2016 |
| 9 | Jakham Kishan Agro Producer Company Limited-Pratapgarh | 2016 |
| 10 | Bhilwara Farmer Producer Company Limited- Bhilwara | 2016 |
| 11 | Jai Saraswati Mahila Kishan Producer Company Limited- Bhilwara | 2016 |
| 12 | Shakti Mata Kisan Producer Company Limited- Bhilwara | 2016 |
| 13 | Shree Dev Narayan Producer Company Limited- Bhilwara | 2016 |
| 14 | Shree Kamal Dairy & Horticulture Export Producer Company Limited -  Nagaur | 2016 |
| 15 | Gangaswids Carrot Producer Company Limited- Sri Ganganagar | 2016 |
| 16 | Kanthal Agro Food Producer Company Limited- Dungarpur | 2016 |
| 17 | Nav Vichar Agro Producer Company Limited- Jaipur | 2016 |
| 18 | Meerabai Agro & Allied Produce and Marketing Producer Company  Limited- Nagaur | 2016 |
| 19 | Teja Kishan Producer Company Limited- Nagaur | 2016 |
| 20 | Nayaujala Mahial Kisan Producer Company Limited | 2016 |
| 21 | Siromani Milk Producer Company Limited- Jhunjhunu | 2016 |
| 22 | Maha Shakti Milk Producer Company Limited- Alwar | 2015 |
| 23 | Barfani Kishan Unanti Producer Company Limited- Sri Ganganagar | 2016 |
| 24 | Ren Kissan Samriddhi Producer Company Limited- Ajmer | 2016 |
| 25 | Khyayada Kisaan Samriddhi Producer Company Limited - Ajmer | 2016 |
| 26 | Bherukheda Kissan Samridhi Producer Company Limited - Ajmer | 2016 |
| 27 | Barawarda Mahila Gram Vikas Dugdh Utpadak Sahkari Samiti Limited -  Pratapgarh | 2016 |
| 28 | Mewar Green Agro Producer Company Limited - Udaipur | 2016 |
| 29 | Bhomat Agro Food Producer Company Limited - Udaipur | 2016 |
| 30 | Shri Farmer Producer Company Limited - Karauli | 2016 |