International Journal of Advance and Applied Research
www.ijaar.co.in
ISSN – 2347-7075 Impact Factor – 8.141
Peer Reviewed Bi-Monthly
Vol. 12 No.2 Nov-Dec 2024

The Agricultural Market Structure And Price Fluctuations In India

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DOI- 10.5281/zenodo.17667998

Abstract
Through this research paper, an attempt has been made to study the agricultural market structure and price fluctuations in India. Through this, how is the purchase and sale system of agricultural products in India? How are the prices of agricultural products determined? Overall, an attempt has been made to study the agricultural market system in India. From this, an attempt has been made to know what will be the consequences after the imbalance in demand and supply worsens.

Keywords : agricultural , structure, market , system, products.

Introduction

The structure of the agricultural market refers to how agricultural markets are organized in terms of the number of buyers and sellers, the nature of the product, and the level of competition. In most agricultural markets, a large number of small farmers produce the same or similar goods, which often creates conditions close to perfect competition. However, the presence of a few powerful buyers or intermediaries can create imbalances, resembling monopolies or oligopolies. Agricultural products are also unique due to their perishability, seasonality of supply, and vulnerability to weather, which affect price and market dynamics. Government policies such as minimum support prices and subsidies play a key role in shaping these markets. Understanding this structure is essential to improve farmers' incomes, ensure fair prices, and maintain food security.

Price fluctuations in agricultural economics refer to the frequent and often sharp variations in the prices of agricultural commodities. These changes are typically beyond the control of farmers and are influenced by a range of internal and external factors. Such volatility poses significant challenges to farmers' income stability, consumer affordability, and the overall agricultural economy. Understanding the causes and consequences of these fluctuations is essential for developing strategies to manage risks and promote sustainable growth in the sector

Also, the structure of agricultural markets in India now mainly includes regulated markets such as APMCs Agricultural Produce Market Committees, which are regulated by the state. However, this structure is evolving to include other channels such as direct farmer-consumer markets, online trading platforms e-NAM, contract farming, and private wholesale and retail markets, which are present to varying degrees across states. This paper attempts to understand the agricultural market patterns in India.

Objectives

1 To study the agricultural market system in India.
2 To study the fluctuations in agricultural prices in India.
3 To study Classification of Agricultural Markets IN INDIA.

Research Methodology:

Secondary sources have been used to write this research paper. For this, information has been collected and presented through various sources like newspapers, books, internet, magazines etc. Also, the book I have written has been used.

- **Types of Markets India's agricultural markets are divided into three primary types: primary, secondary, and terminal.**

a. **Primary Markets** :

These mostly consist of the weekly or irregularly scheduled village-level periodic markets known as "hats," "pets," or "shanties." There are 22,000 of these markets in India overall. These markets cover a radius of five to ten km apiece.

b. **Secondary Markets:**

These wholesale daily markets, also known as "mandis" or "gunjs," are often located within district as well as taluka headquarters or significant commercial hubs close to railway stations. In the nation, there are over 3,400 significant secondary markets, often known as mandicentres. These markets attract goods from their hinterland distributed within a 10- to 30-kilometer radius and have adequate communication facilities.

c. Terminal Markets :

In these markets, the product is ultimately sold directly to customers, to processors, or consolidated for export to international destinations. The port markets constitute terminal markets. The region encompassed by these markets is extensive..

2. Classification of Agricultural Markets:

The "agricultural marketing system" is crucial for understanding complexities and pinpointing bottlenecks to facilitate the effective movement of

farm goods and inputs from producers to consumers. An effectively crafted marketing plan minimises expenses and benefits all societal members. Agricultural markets may be classified based on the twelve dimensions enumerated below.

On the basis of Location:

Markets are classified according to their geographical location or operational mode:

Village Markets: A village market is a marketplace situated in a tiny hamlet where substantial transactions occur between the community's customers and sellers.

Primary wholesale Markets: These markets are situated in major urban areas adjacent to agricultural commodities producing hubs. The producer-farmers provide a significant quantity of agricultural produce to these markets for their sale. Both dealers and farmers are the predominant players in these markets.

Secondary wholesale Markets: Secondary wholesale markets are often located near railway junctions, district offices, or major trade hubs. Primary commodities exchanges occur between local merchants and wholesalers. Alternative markets provide the predominant source of arrivals in these sectors. Produce is managed in substantial volumes in these markets.

Terminal Markets: A terminal market is defined as a venue where products are either sold directly to consumers, processed for export, or consolidated for exportation. Merchants are systematically structured and use advanced marketing strategies. These markets possess commodity trading platforms that facilitate forward trade in certain commodities. Such markets are located in urban areas or seaports, including Bombay, Calcutta, Madras, and Delhi.

- **On the Basis of Area/Coverage:**

Markets may be classified into four groups depending on the geographic origin of the buyers and sellers involved in transactions:

Local or Village Markets: A marketplace where transactions are confined to both sellers and buyers from the same village or adjacent settlements. Village markets primarily cater to perishable commodities in limited numbers, such as local dairy products or vegetables.

Regional Markets: A marketplace for a product that attracts buyers as well as sellers from a broader geographic region than local markets. Food grains are mostly sold at regional markets in Bangladesh.

National Markets: A marketplace where both sellers and buyers operate on a national scale. Durable goods like jute and tea own national markets.

World Market: A marketplace including consumers as well as sellers from around the globe. From a geographical perspective, they are the essential markets. These markets pertain to commodities having worldwide demand and/or supply, including coffee, equipment, gold, silver, and various other precious metals. Numerous nations have been progressing towards a system of unrestricted global trade in agricultural commodities, including raw cotton, rice, sugar, and wheat, in recent years

- **On the Basis of Volume of Transactions:**

On the basis of the number of transactions made at any one time, there are two sorts of markets. These are given below:

Wholesale Markets: Commodities or products are transacted in substantial quantities or bulk in a wholesale market. The predominant transactions in these marketplaces occur between dealers.

Retail Markets: A retail market is defined as a venue where individuals engage in the purchase and sale of items according to their need. In these marketplaces, transactions occur between sellers and customers. Retailers acquire large quantities from wholesalers and then sell them to consumers in smaller increments. These markets are situated near the consumers.

- **On the Basis of Degree of Competition:**

Markets may be classified on a continuum from perfect competition to full monopoly or monopsony. Extreme variants are almost unprecedented. Nevertheless, understanding their attributes is advantageous. These two extremes are not the only midpoints of this continuum that have been found. Markets may be classified into the following categories according to the level of competition:

Perfect Market: A multitude of companies and the existence of homogenous and comparable goods are two essential characteristics of perfect competition. Consequently, the client lacks justification to exhibit a preference for one organisation over another. There are no limitations on ingress or egress inside the market or sector. Companies are the price takers, indicating they possess little influence over the prices they set for their products. Each manufacturer contributes but a little fraction of the industry's overall production. Ultimately, both purchasers and producers possess comprehensive market awareness. All individuals are cognisant when a corporation modifies a product feature.

Imperfect Markets: Imperfect markets are characterised by the absence of ideal competition. The following situations may be delineated, each contingent upon the level of imperfection:

Monopoly Market: A market structure characterised by the presence of a single seller for a particular item is referred to as a monopoly. He has total authority over the commodity's supply and price. The commodity's price in this market often exceeds that of other markets. Indian farmers operate inside a monopolistic market regarding buying power for irrigation. A monopsony market is characterised by the presence of a single buyer for a product.

Duopoly Market: A duopoly market is characterised by the presence of just two vendors of an item. They may mutually agree to impose a uniform price that exceeds the theoretical market price. A duopsony market is a scenario when there are just two purchasers of a product.

Oligopoly Market: An oligopoly market is characterised by the presence of several sellers, specifically more than two, but still a limited number of providers for a particular product. An oligopsony

market is characterised by the presence of a limited number of buyers, specifically more than two

Monopolistic competition: Monopolistic competition arises when several sellers engage in the trading of a diverse and differentiated commodity. Diverse trade marks on the goods highlight the distinction. Diverse prices are seen for the same fundamental commodity. Input markets exemplify the monopolistic competition faced by farmers. They must, for instance, choose among many brands of pesticides, pump systems, fertilisers, and equipment..

- **On the basis of the scope of government intervention:**

Markets may be categorised into two categories according to the degree of government intervention:

Regulated Markets: Markets where transactions occur in compliance with the rules & regulations established by a statutory market organisation representing diverse market sectors. In these markets, the cost of marketing are uniform, and practices are controlled or regulated.

Unregulated Markets: These markets lack established rules or limitations governing commercial operations. Traders establish the regulations governing the company's operations and market dynamics. These markets exhibit several deficiencies, including unstandardised expenses for marketing activities and problems in pricing determination..

- **Price Fluctuations**

1. **Seasonal Production Patterns :** One of the most fundamental causes of price fluctuations is the seasonal nature of agricultural production. Crops are harvested during specific times of the year, often resulting in a sudden influx of produce in the markets. This surplus typically causes a sharp decline in prices during harvest time due to increased supply. In contrast, during lean periods when production is low, prices tend to rise due to reduced availability. This cyclical pattern leads to periodic price instability throughout the year, making it difficult for farmers to secure consistent income.

2. **Dependence on Weather and Natural Factors :** Agriculture is heavily dependent on natural condition such as rainfall, temperature, and overall climate. Unfavourable weather conditions, including droughts, floods, storms, and unseasonal rainfall, can drastically reduce crop yields and damage standing crops. This results in reduced supply, causing prices to spike unexpectedly. On the other hand, good weather conditions may lead to bumper harvests, creating an oversupply situation that drives prices down. The unpredictable nature of these weather events makes price forecasting extremely difficult.

3. Perishability of Agricultural Produce :

Many agricultural commodities such as fruits, vegetables, milk, and flowers are highly perishable. Without adequate storage and cold chain facilities, these products must be sold quickly, often leading to distressed sales at lower prices. During peak harvest periods, the market may become saturated with perishable goods, causing prices to fall sharply. Farmers, lacking bargaining power and storage infrastructure, are compelled to accept whatever price is offered, further contributing to instability.

4. Inelastic Supply Response :

Unlike manufactured goods, agricultural production cannot be adjusted quickly in response to changing market prices. The decision to cultivate a particular crop is made months in advance, and once sown, the supply cannot be modified easily. If prices drop unexpectedly during the growing or harvesting period, farmers are unable to respond effectively. This inelasticity in supply response exacerbates the problem of mismatched demand and supply, fuelling price volatility

5. Limited Access to Market Information :

A major challenge for farmers is the lack of access to realtime and reliable market information. Most small and marginal farmers rely on local traders or intermediaries for price discovery, which often leads to information asymmetry. This lack of awareness prevents farmers from making informed decisions about when and where to sell their produce, resulting in poor timing and lower returns. The absence of transparent pricing mechanisms in local markets adds to the unpredictability of prices.

6. Influence of Intermediaries and Speculators :

A complex network of intermediaries dominates agricultural marketing in India. These middlemen often take advantage of market inefficiencies by hoarding goods during surplus periods and releasing them during scarcity, thereby manipulating prices. Speculative activities and artificial supply control distort the actual market dynamics, making prices highly unstable. As a result, farmers receive less than fair value for their produce, while consumers end up paying more.

7. Broader Economic and Policy Factors : Global commodity markets, international trade policies, and macroeconomic factors like inflation, exchange rates, and input costs also influence agricultural prices. For example, a rise in fuel prices can increase transportation and input costs, affecting final commodity prices. Similarly, changes in import/export policies may lead to sudden fluctuations in the domestic availability of certain goods, impacting their prices. Government policies like subsidies, tariffs, and MSP also play a role in determining market prices

8. Consequences for Farmers, Consumers, and the Economy : Price fluctuations have far-reaching consequences. For farmers, especially smallholders, sudden price drops can result in heavy financial losses, pushing them into debt cycles or forcing them to abandon farming. Consumers, on the other hand, face high food prices during scarcity periods, leading to inflation and reduced affordability. At the macro level, price instability undermines food security, deters investment in agriculture, and creates volatility in rural incomes, affecting overall economic stability.

Conclusion

This paper analyzes the agricultural market and pricing mechanism in India. For example: Primary markets, secondary markets, classification of

agricultural markets, based on location, based on area/coverage, local or rural markets, regional markets, global markets, based on volume of transactions, degree of competition, extent of government intervention, price fluctuations, etc. All the factors studied in this study can be beneficial for others for research.

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