



SEASONAL AVAILABILITY OF VEGETABLES IN KHANDESH (WESTERN PART OF JALGAON DISTRICT) A CASE STUDY OF AMALNER VEGETABLE MARKET

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Abstract:-

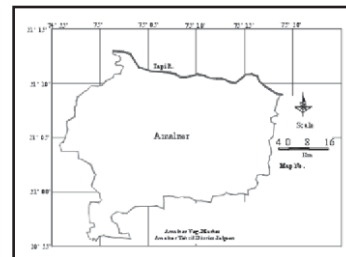
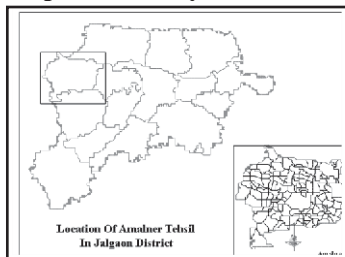
India is one of the many important vegetable producing countries in the world, it ranks second after china. India has tremendous potential for increasing production of vegetables. With its wide variability of climate and soil produces a variety of vegetables. The economic importance of vegetables has been increasing an account of increase in domestic as well as international demand for them. Maharashtra state is one of the important Vegetable crops growing. A variety of vegetable are grown in different districts of Maharashtra The study of seasonal availability and producing villages of vegetables in western part of Jalgaon district in Khandesh region.

Key words;-Seasonal, Availability, Villages, Vegetables

Introduction : Agriculture is one of the primary economic activities of man. It is not only includes cultivation but dairy, forestry, irrigation and cultivation of vegetable. Vegetable cultivation is a also occupation of the people. Most of the Farmers prefer to cultivate vegetable. Vegetables play an important role in agriculture and industrial economy. It is ingredients of human diet. Vitamins and mineral are mainly obtained from Vegetables.

Introduction of the study Region:- Khandesh is a region of Cetral India, which forms the northwestern portion of maharashtra state. In 1960 East Khandesh became Jalgaon and West Khandesh became Dhule district. The Principal natural features is the Tapi river. It receives thirteen Principal tributaries. Most of Khandesh lies South of the Tapi, and is drained by its tributaries the Girna, Bori and Panjhra. Along the banks of Girna and Bori rivers canals are irrigating the land hence vegetable is successfully grown. In these basins more than 60% irrigated land is under vegetable. Amalner Tehsil ranking first in the district respect of vegetable crop.

Selection of the topic and Study area :-



Amalner has historical importance in the fields of Education, industrialization and independence movements. It has one philosophical centers, Pratap College and first Dalda factory which is a mother plant of giant Wipro Company. Sane Guruji was one of the Famous teachers. There are only two temples of Mangalgrah in India one at Culcutta and one at Amalner. Saint Shri Sakharam Maharaj of Amalner was a devotee of lord vitthal. Amalner is famous for fair of Sakharam Maharaj.

Amalner Vegetable market is largest one next to Nasik regarding the different types quality and fresh vegetables. Researcher has collected data of daily arrival of vegetable Hence, seasonal availability of Vegetable at Amalner market.

Geography of Amalner-

Amalner is located at 21° 2' 22.73"N, 75° 3' 55.66" E 21.039646, 75.06546. it has an average

elevation of 700 meters As of 2011 Census Amalner had a Population of 287849. In some environment, Climate, Soil, relief Favors farming 90% area is covered by plateau.

Researcher has attempted to collect such statistical data regarding daily arrival of all types of vegetables. Voluminous data is very complicated to analyze and extract

Aims and Objectives:- The main intension of this micro level research work is to study seasonal and regional availability of vegetables at Amalner Market. In this study following aims and objectives are taken into consideration

- 1) To Study Seasonal availability of vegetables in the market.
- 2) To identify the villages those are producing vegetable Hypothesis :- Supply and Price Variation of Vegetables are governed by Seasons.

Research methodology:-

Database: Entire research work is based on first hand data. Data regarding arrival of vegetables in the market and their prices are not easily available. Researcher has collected all account books from the main agent groups. Researcher has collected the statistical data of daily arrival of all types of vegetable and prices received by the farmers. Such data is systematically loaded in MicrosoftExcel;loaded data is exported in mircosoft Excel by making quires. In Microsoft Excel data is filtered

Explanation:-

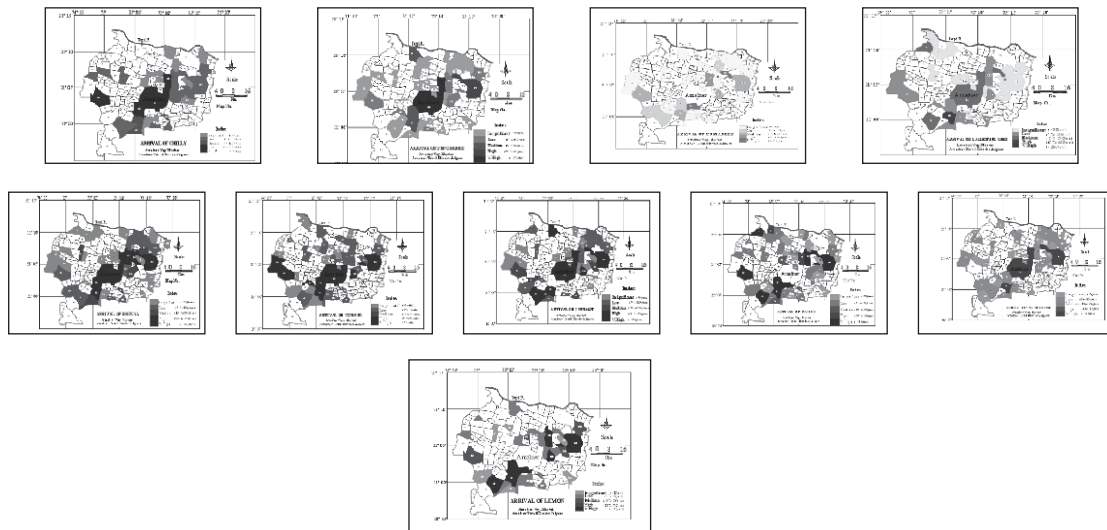
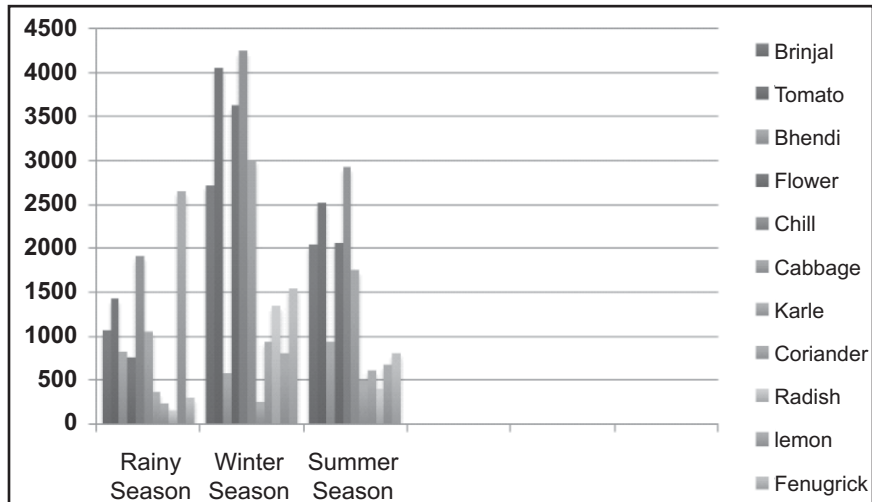


Table - Seasonal Variation in the Arrival of Top Ten vegetables in Amalner Market (In Quintals)												
Month	Brinjal	Tomato	Bhendi	Flower	Chill	Cabbage	Karle	Coriander	Radish	lemon	fenugrick	Total
June	320	395	100	150	525	145	85	80	0	82	90	1972
Jully	300	365	125	85	570	190	95	65	75	2058	80	2095
Aug	250	340	248	65	475	300	110	55	50	220	60	2173
Sep	200	321	350	457	345	420	75	40	35	285	70	2598
Oct	450	792	95	500	820	350	70	190	290	200	250	4009
Nov	620	940	132	750	970	620	65	225	315	208	415	5260
Dec	900	1182	155	1230	1290	925	55	275	355	225	427	7019
Jan	750	1140	200	1150	1170	1120	60	250	376	175	452	6843
Feb	625	812	275	900	950	630	130	200	250	150	240	5162
Mr	580	719	252	522	850	532	145	165	150	132	215	4262
April	465	545	210	4140	620	380	160	150	5	185	195	3325
May	380	450	195	218	500	210	53	100	0	200	150	2456
Total	5840	8001	2337	6437	9025	5822	1103	1745	1903	2267	2644	47124



Most of the cultivators have grown vegetables successfully under rich application of farmyard manure practiced before transplanting. In the month of December about 18% Of total Brinjal arrived in Market. In rainy Season lowest quantity of Brinjal is arrived It is clear that in Summer Season this Vegetable is available with huge quantity. It is observed that through the year this vegetable is available. However Seasonal impact on arrival of Brinjal is experienced village Shirud has supplied highest quantity Gandhali also supplied of Brinjal.

In Amalner Vegetable market 8001 quintals of tomato is sold out. Out of which about 50.66% of tomato is arrived during winter season. Village Javkheda, Devali, Shirud, Dahiwad have produced tomato.

In the market above 6437 quintals of flower is arrived out of which 56.33% is sold out in winter season Rainy is slack Season. Jalod , Gandhali, Amalner, Jalod, Parola, Shirud are main suppliers of flower.

Green chilly is valued for its diverse Commercial uses. Chilly is ranking first in the arrival of vegetable. Forty one villages are supplier more or less quantity of chilly Amalner, Mangrul, javkheda, Sunderpatti are supplier villages.

Cabbage is ranking fifth in the arrival of Vegetable in the market. Near about 5822 quintals of cabbage is arrived in the market. It is found that in all seasons this vegetable is available winter is peak season followed by summer and rainy. Coriander is used common flavoring substance 38 villages are supplier of coriander. Amalner city and pimpali has high quantity supplier of coriander September has low arrival month while in December 275 quintals of coriander has available in the market.

Radish is a cool season crop but it can be highest grown almost in the month of December and January. It is called as base root. Approximately 1903 quintals of radish is sold out. Out of which 70.31%, radish is arrived during winter while 21.28 in summer and only 8.41 in rainy season. Village Bohara, Pimpali, Subgaon, Shirud and Dahiwad are more suppliers.

Lemon is Fruity crop but it can be arrival in throughout the year. In winter and Rainy Season about 35.64% of lemon sold out. In Summer Season the demand of lemon is increasing supply is decreasing so prices of lemon were high.

Conclusion:

In Amalner Vegetable market about 72388 quintals of vegetables arrived. June July, August are the rainy season and slack months. Maximum vegetable is arrived in the month of January out of the

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total arrived of vegetable 27.80% (19675.50) are sold out. During December about 20.39% vegetable is arrived. During winter season highest quality of all types of vegetables is arrived. It is clear that winter is the peak season followed by summer. Rainy is a slack season. In the Amalner market 9025 quintals of Green chilly are arrived so seasonal impact on availability of vegetables is experienced. It is concluded that January to march are the best period for all vegetables. Both are having ample availability of vegetable in Amalner market.

Reference:-

- 1) Mrs. V. Vishwanath (July 1979)
Growth and development of the wholesale vegetable market of Chennai city. Transaction Institute of Indian Geographers
- 2) S. B. Singh (March June 1981) – Periodic markets and rural development: A case study. The National Geographical Journal of India vol. 28 part 1 and 2
- 3) Sources : Data collected from vegetable market Agents of Amalner.
- 4) Moharkar R. Jagtap J.P. Agricultural land use pattern in Sholapur Tehsil. The Deccan Geographers vol. 48, No. 2, Dec. 2009.

Month	Weight in Quintal	% to total
June	3337.08	4.61
July	3916.19	5.41
Aug	4256.41	5.88
Sept	4155.07	5.74
Oct	4307.08	5.95
Nov	8353.57	11.54
Dec	14759.99	20.39
Jan	19675.05	27.18
Feb	13283.19	18.035
Mar	10727.90	14.82
Apr	11697.90	16.16
May	6876.86	9.50
Total	72388	100.0

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