

Spatio-Temporal Analysis of Fruits and Vegetables Crops in Nashik District

Dr. Avhad Baban Arjun ,
Assistant Prof, Dept of Geography,
M.S.G College Malegaon Camp, Nashik, Maharashtra, India.

Abstract:-

In the present research paper focused Spatio Temporal study of fruits and vegetables conducted in Nasik district. In the study area horticultural crop was treated primarily because the distribution was localized both the term of area as well as number of holding, they has been grown, The fruits and vegetables was studied separately for the other crops in the heading of horticulture The variety of these crops are most distinctive in horticulture also many of the characteristics was stated as under the crop cultivation.

Introduction:-

In India, the variety of fruits and vegetables are seen in differently as well as regionally. Because some of the states was located in cold climate zone, some high temperature zone. So, the fruits and vegetables are distributed in climatic conditions of the Indian states. Apple or some fruits and flowers are growing in Himalaya range, then the medial of India, the climate of 25 to 30 degree and many part of the region is under black soil so, cash crops and vegetables, fruits are majorly produced in the region. Then Deccan Trap is also hot and Eastern and Western Ghat climate and temperature is difference. In gat region fruits was produced majorly i.e.kaju, coconut, supari etc. in the medial part of trap is situated in high temperature zone, the regions temperature was 45 degree of maximum. In the region fruits and vegetables are not produced but also if farmers engaged in well or canal irrigation then the produce banana, grapes, pomegranate, green vegetables etc. In the study region are mostly famous for tomato, grapes and onion production, the region was highly produced of these crops and was export in India states as well as foreign country.

Table No. 1: Tahsil wise Percentage of Area under Fruit and Vegetables to Net Sown Area (2001 and 2021)

Sr. No.	Name of Tahsils	2001	2021	Vol. of Change
1	Surgana	1.11	2.24	1.14
2	Kalwan	1.64	3.61	1.94
3	Deola	1.21	2.24	1.04
4	Baglan	2.24	5.51	3.24

5	Malegaon	3.51	4.51	1.00
6	Nandgaon	1.11	2.14	1.04
7	Chandwad	3.31	8.85	5.55
8	Dindori	25.31	35.14	9.84
9	Peint	0.51	1.51	1.00
10	Trimbak	1.11	2.14	1.04
11	Nashik	4.51	6.67	2.17
12	Igatpuri	1.11	2.34	1.24
13	Sinnar	3.51	5.51	2.01
14	Niphad	15.51	35.51	20.01
15	Yevla	2.24	4.11	1.84
Total District		4.64	8.21	3.57

Source: District Agricultural Report 2001, 2021

Spatio-Temporal Analysis of Fruit and Vegetables Crop in Study area:

In the Table No. 1 shows the tahsil wise distribution of fruits and vegetables percentage to net sown area. The varieties of fruits and vegetables was grown in the study region, which was recorded 4.64 percent area under fruits and vegetables crops out of the net sown area in the during 2001. During the period of investigation its percentage was increased to 3.57 percent. Spatio-temporal analysisoftahsilsunderfruit and vegetables cropfortheyear 2001was focuses light on the following facts.

Very low percent area under fruit and vegetables crop was observed in Kalwan, Devla, Surgana, Peint, Trimbak, Igatpuri and Nandgaon tahsils whereas low percent area under fruit and vegetables crop was noticed in Baglan, Malegaon, Chandwad, Yevla and Sinner tahsils. Medium percent area under fruit and vegetables crop was recorded in Nashik tahsil while very high percent area under fruit and vegetables crop was occurred in Dindori and Niphad tahsils of the study region

Out of total net sown area under crop fruit and vegetables was registered 8.21 percent in during 2021. Out of total area under fruit and vegetables crop in the category of very low percent area under fruit and vegetables was noticed in Peint tahsil whereas low percent fruit and vegetables area under crop was observed in Surgana, Kalwan, Devla, Nandgaon, Trimbak and Igatpuri tahsils. Medium percent fruit and vegetablesarea under crop was registered in Baglan, Malegaon, Sinner and Yevlatahsils while high percent area under fruit and vegetables crop was occupied in Nashik and Chandwad tahsils.

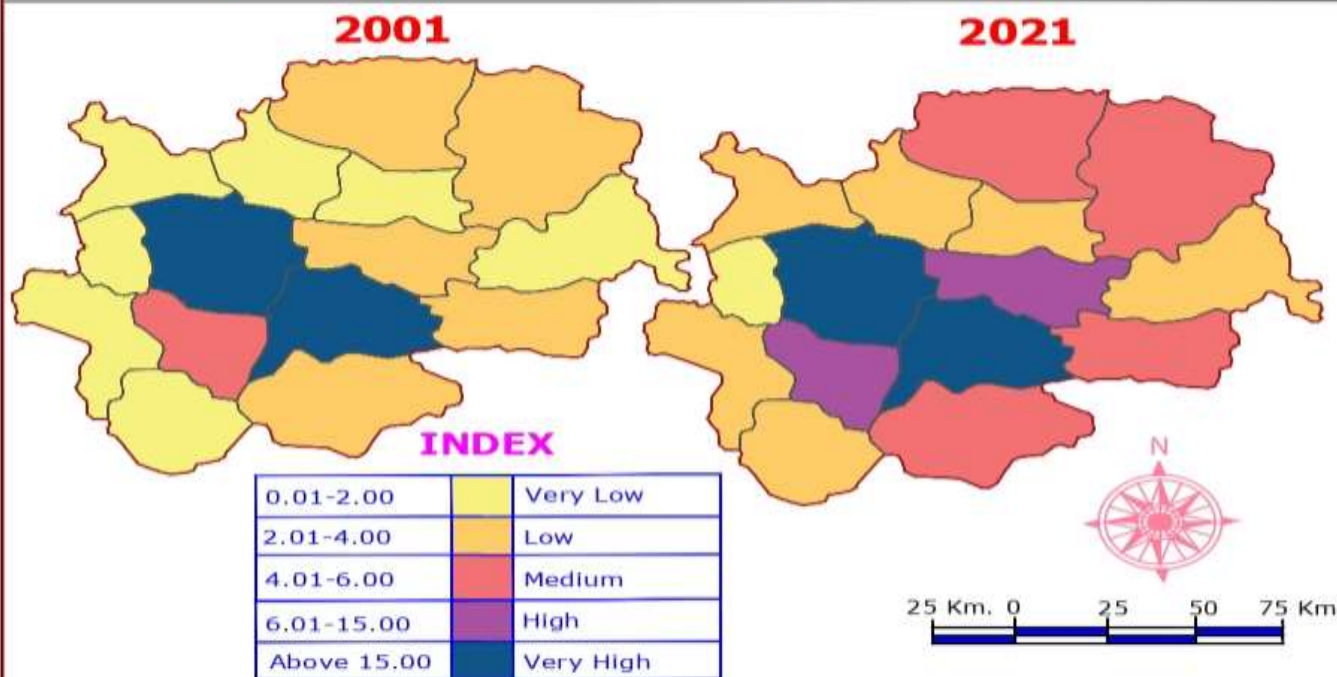
Table No. 2: Tahsilwise Percentage of Area under Fruit and Vegetables to Net SownArea (2001 and 2021)

Sr. No.	Name of Tahsils	2001	2021	Vol. of Change
1	Surgana	1.11	2.24	1.14
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Source: SOCIO ECONOMIC ABSTRACT OF NASHIK DISTRICT

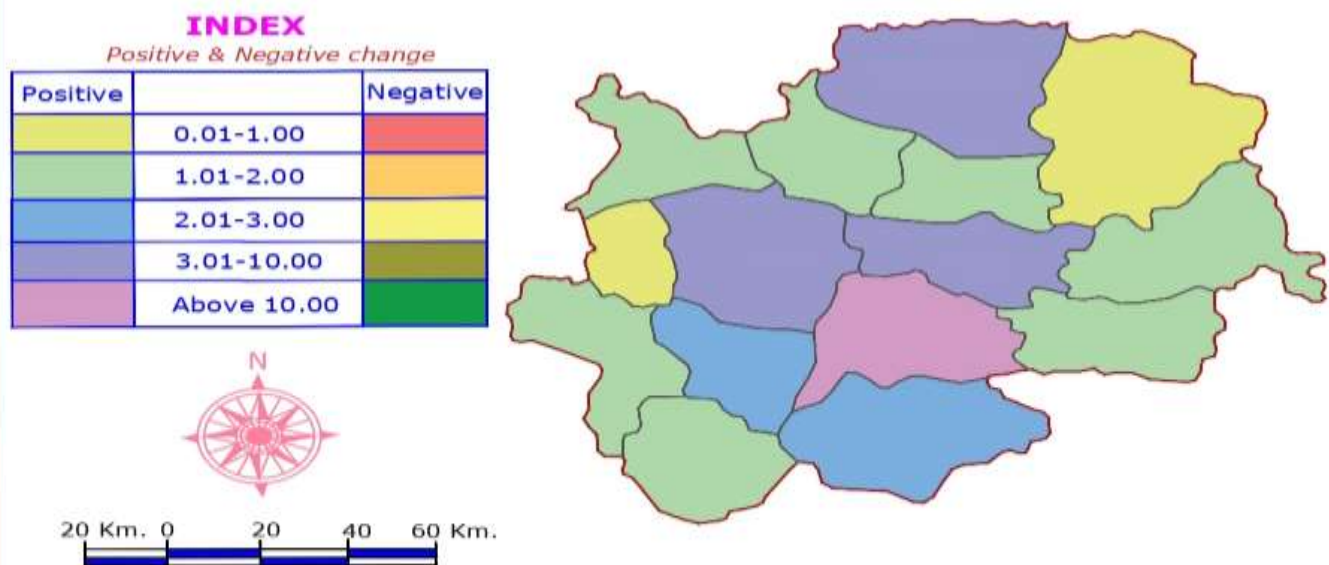
NASHIK DISTRICT

Percentage of Area Under Fruit & Vegetable to Net Sown Area



NASHIK DISTRICT

Change in Area Under Fruit & Vegetable to Net Sown Area (2001 to 2021)



Source: Compiled by the Researcher

Map No. 4.9

Very high percent area under fruit and vegetables crop was noticed in Dindori and Niphad tahsils of the study region during the period of investigation

In during the period under investigation of the study region area under fruit and vegetables crop was increased by 3.57 percent. 0.01 to 1 percent positive change was noticed in Peint and Malegaon tahsils whereas 1 to 2 percent positive change was found in Surgana, Kalwan, Devla, Nandgaon, Yevla, Trimbak and Igatpuri tahsils. 2 to 3 percent positive change was observed in Nashik and Sinner tahsils while 3 to 10 percent positive change was recorded in Dindori and Chandwad tahsils. Above 10 percent positive change was occupied in Niphad tahsil. In the period under investigation there is no negative change was not found in the fruit and vegetables crop.

In the study region all tahsils was increased in fruit and vegetables crops percentage because of their irrigation system and their development as well. Due to the fact that farmers are encouraged for taking high yield by using manures, fertilizers modern seeds and modern farm implements. Because of this, the fruit and vegetables crop area has been increased. Due to a variety of fruit and vegetables crop, irrigation system, electricity and availability of market facilities in the study region has been increased in all tahsils.

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