

# Current Global Reviewer

UGC Approved International Research Refereed Journal For All Subjects & All Languages

ISSN 2319-8648

Impact Factor - 2.143

Indexed (IIJIF)

UGC Approved  
Sr. No. 64310

## SPECIAL ISSUE

(24th & 25th Jan. 2018) Issue-II, Volume I,

On the Occasion of ICSSR SPONSORED  
Two Day National Conference On



## Impact of Climate Change on Agriculture

Organized by

Department of Geography,  
Vasundhara College, Ghatnandur,  
(NAAC Accredited 'B' Grade)  
Tq. Ambajogai, Dist. Beed (M.S.)



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Special Issue

Issue II, Vol I, 24<sup>th</sup> & 25<sup>th</sup> Jan. 2018

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NAAC Accredited 'B' Grade with CGPA 2.47.

DEPARTMENT OF GEOGRAPHY

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2<sup>nd</sup> National Conference on

## IMPACT OF CLIMATE CHANGE ON AGRICULTURE

(24<sup>th</sup> & 25<sup>th</sup> Jan. 2018)

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**“A study of cropping pattern in majalgaon tahsil”(2015-2016)**

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-(33)-

**Abstract :-**

The present paper analysis A case study of cropping pattern at micro level in majalgaon tahsil in Beed district maharashtra state in this study is based on secondary data collects from secondary rewards. It is observed that all villages are considered for the study. An End eavour is made here to study cropping pattern Region in majalgaon tahsil for years 2015-2016. The crop data has been compated with help of weaver's Technique of cropping pattern. The study Region generally taken Kharif crop in the study Region The position in Majalgaon tahsil.

**Keywords -**

Cropping pattern, Crops Ranks, Kharif Crop, Principle case crop.

**Introduction -**

Cropping pattern Refers to the proportion of Area under Deferent crops at any given point of time in a unit Area or the yearly sequence or spatial arrangement of crops on a given area. Cropping activities may run all the year round. Provided the water is available for crops. It many be of different types such as inter cropping, mixed cropping and crop rotation. The Agriculture lands when are occupied by one crop called as mono cropping or two crops called as double cropping or more than two crop, termed as multiple cropping As per Aviability of water, cropping pattern varies. The decisions are usually based on experience Tradition, expected profit, performance, Govt. support And soon.

In the majalgaon dam, And canal command Area intensive cropping pattern is classified as Kharif And Rabi season cropping patterns.

**Objectives:-**

- (1) To study the find out cropping pattern.
- (2) To examine cropping pattern changing majalgaon tahsil.
- (3) To examine the evaluate the spatial distribution of cropping pattern.

**Data Base And Methology -**

The Data collected and used for the period. 2015-2016. Comes both from Secondary sources. Secondary data has been collected from Sco-Economic Review, District census hand book, Gazetters Agriculture Epitomes, Periodicals Seasons And crops Report published by the department of Agriculture.

**Study Area:-**

Majalgaon is located in the Beed District of Maharashtra state, majalgaon town. It belongs to marathwada region. It belongs to Aurangabad Division. It is located 60 km towards East from District head quarters Beed.

Majalgaon talukai bounded by pathri taluka towards East, wadwani taluka towards East. There are 105 villages in this majalgaon taluka Geographical Area 94459 sq Kim. About 80% of the rainfall is received in the south west monsoon period July is rainiest month.

**Cropping pattern in majalgaon tahsil:-**

Review of changes of cropping pattern queues the shift in Area under different crops over the period of time. Special important in taking cognizance of social elimate Factors and the maps that could be growth with in a particular environments. Impact of changes in technological, economic and institutional Factors can be felt only when the existing cropping pattern under goes a change generally the farmer have a tendency to stick to a stable cropping pattern under any give agro climate region and they do not shift much from this position expect to the extent dictated by prince Factors in adjusting a acreage allocations.

**Cropping pattern in majalgaon tahsil.**

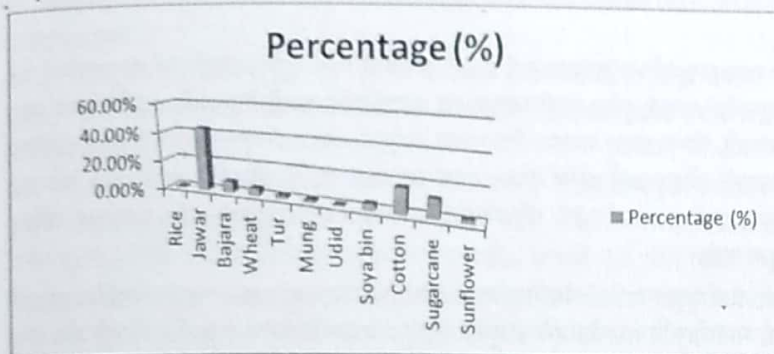
**Table no.1-1**

Sr. no.	CROP NAME	Area in Hect.	Percentage (%)
1	Rice	372	0.91%
2	Jawar	17724	43.80%
3	Bajara	3200	7.90%
4	Wheat	2116	5.22%
5	Tur	989	2.44%
6	Mung	730	1.80%



7	Udid	488	1.20%
8	Soya bin	1780	4.39%
9	Cotton	7005	17.31%
10	Sugarcane	5070	12.52%
11	Sunflower	989	2.44%
District total		40463	100%

Source – computed author  
Graph No.1



**Rice –**

Rice is mainly tropical crop. It is important food crop in the study Region. The crop requires hot and humid climate and Rainfall above 150c.m Most of the rice is raised with the help of rainfall and irrigation. Facilites in the study region generally taken Kharif crop in study region. He special Distribution of rice the shown in table no 1.1 Only 0.91 percent of the total gross cropped Area was under the

Kharif crop in the District.

**Jawar –**

Jawar is raised in Kharif and Rabi season. Jawar fis dominant food crop in all tahsils of the study region out of the total gross cropped area below 17724 Area. Special Distribution of Jawar decreased by 43.80% percent during the period of Investion.

**Bajara –** Bajara is impotent cereal next to Jawar crop in the study Region the lowest Increase in Bajara are was below 3200 Hect. The area Under Bajara decreased by 7.90% percent.

**Tur –** Tur it is raised in Kharif and rabi season. It is important among the pulses. Production the proporation of Tur area in the gros cropped Area was below 989 Hect. Annual rainfall between 600 to 700 m.ms. Tur is mixed crop in Jawar and cotton special Distribution of Tur shown in table no. 1.1 only 2.44% percent.

**Wheat –** Wheat it is raised in rabi season in the study Area. The temperature rising 20<sup>o</sup> c And 37<sup>o</sup>c and rainfall 100 mms. He special Distribution of wheat shown in 5.22% percent.

**Mung –** Mung is Kharif crop According 730 Hect. (1.80%) in the tahsil in 2015-2016 year mung grass are ued as pulses. Mung thrives well on medim to deep black soil.

**Udid –** Udid is kharif crop and medim and black soil. In the region. It is shown Jun. to sep. month total grass cropping area in 488 Hect. (1.20%) percent.

**Cotton –** Cotton is the second principle case crop in the majalgaon tahsil cotton has favorable condition in the study Region the gross cropped area was below 7005 Hect.(17.31%) .

**Sunflower –** Sunflower in rabi season. The proportion of sunflower are in the gross cropped area was below 989 Hect. In Majalgaon tahsil. Sunflower crop is oilseeds cropping Area (2.44%) Percent. In majalgaon tahsil.

**Sugarcane –** Sugarcane is the three year principal case in majalgaon tahsil. Sugarcane is high deep black soil and High irrigation Area. In the region sugarcane area the total gross cropped area in 5070 Hecht. In Majalgaon tahsil. Special distribution of sugarcane is shown in table 1.1 only 12.52% percent in majalgaon tahsil.

The position in 2015-16 was that out of gross cropped area of 40403 Hect. In majalgaon tahsil.

**Conclusion:-**

- (1) The position in 2015-16 what that of out of gross cropped Area of 40463 Hect. Under Rice were 372 Hect. Under what were 2116 Hect. Under Jawar 17724 Hect. Under Bajara 3200 Hect. During the period 2015-16.
- (2) The emereging conclusion is that the sugar of soya bin area in gross cropped Area ranged between 4.39% percent.

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