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ANALYSIS CASH CROP OF 'SUGARCANE' CULTIVATION AREA IN SOLAPUR DISTRICT

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Abstract:- In this paper an attempt has been made to analyse the General land use pattern a special reference to net sown area in Solapur District. This study is based on secondary data collected from secondary records. The agricultural use of land is the result of the direct application of efforts to the available land resources. The quality and the quantity of the efforts applied, is related to the decisions made by formers regarding the actual use of land. These, decisions are based on his choice of the available land resources. The farmer's response to these resources as conciliated by the knowledge passed from generation to generation and his appreciation of the demand for various agricultural commodities in the market. The cumulative effects of the farmers decisions regarding the choice of crops, the methods of tillage and his appreciation of the land resources is reflected in the agricultural land use in a particular area. In the foregoing analysis, the food grain crops and non-food grain crops are considered in this category of land use sugarcane.

Key words: Cultivated area, Cash crops, sugarcane.

INTRODUCTION:-

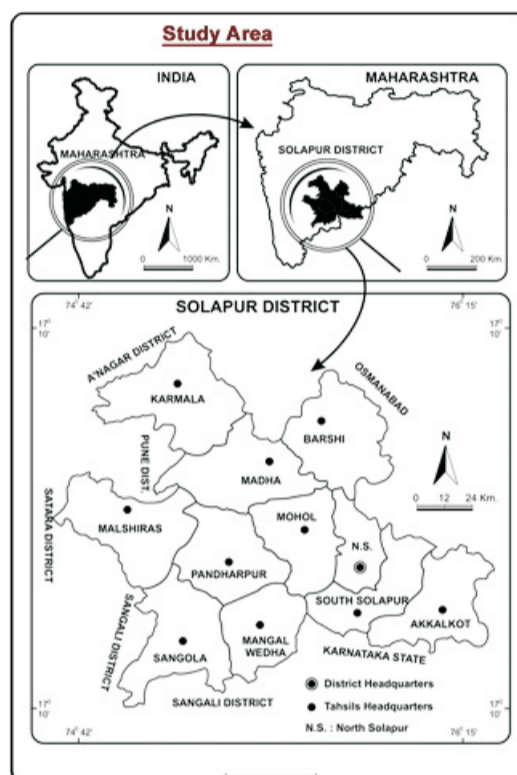
In Indian agricultural sector the existence of sugar has been playing an important role since some decades. Its importance in both domestic and international market should not be unnoticed to analyze the Indian agricultural economy. India is the world's second-biggest sugar producer after Brazil.

Like other districts of Maharashtra state, Solapur district is also an agricultural one and rural life in this district is mainly dependent on agriculture. Jawar, wheat, pulses, groundnut, sunflower and to the some extent sugar-cane are grown on a large scale in the district. The main crop, however, is Jawar and oil-seed, which is mostly harvested in 'Rabi' season. About 70% of area under cultivation is under 'Rabi' crops.

STUDY AREA:

Solapur district is one of the most important district of Maharashtra state both in terms and area and population. It is located between 17°10' and 18°32' North latitudes and 74°42' and 76°15' East longitudes, occupying an area of 14895 square kilometer of Southern Maharashtra. Administratively it consists of 11 tahsils (fig. 1) and the region present diversified physiographic with hilly region in the North and South western parts of district. Almost 70 percent geographical area of district is occupied by the plateau, 20 percent occupied by the plain region and remaining hilly region. Solapur district entirely lies in Bhima-Sina river basin. The monsoon climate dominates the region with

Map No.1



variation in heat and cold. The region receives rainfall mainly from south-west monsoon averaging between 500 millimeters in the west, 700 millimeters in the east. The region belongs to drought prone areas of Maharashtra state, which has experienced frequent drought conditions. The soils vary from shallow gray in the hilly areas of the district through deep medium black alluvial soils of the river plain in the centre.

OBJECTIVES:

1. to study assess cash crop area in the study area
2. to analysis of analysis cash crop of 'sugarcane' cultivation area in the study area

THE DATABASE

The study is based on secondary data. The tahsil wise data were collected and processed to calculate indices by employing statistical procedures. The socio-economic abstract of Solapur district and Solapur district census handbooks are referred to collect the related information.

AGRICULTURE CASH CROP IN SOLAPUR DISTRICT

In the foregoing analysis, the food grain crops and non-food grain crops are considered. Now, in this category of land use sugarcane, Cotton, Sunflower and Groundnut has been discussed. The area under non food crops have been of the magnitude of around 15.60 percent in the 2011, which is increase to 25.66 percent in 2012. Crops like oil seeds (Sunflower, groundnut) and other non food crops also grown in the region under study, which are sizable due to the demand of oil by the people in day to day life.

Apart from this, there are many crops under the category of non-food crops, which are equally important for the farmers. Choice and interest have led farmers, to non food crops; hence, a sizable area was recorded in 2011, which has high as 22.8 percent which has been increase in the area under the different staple crops, in Solapur district.

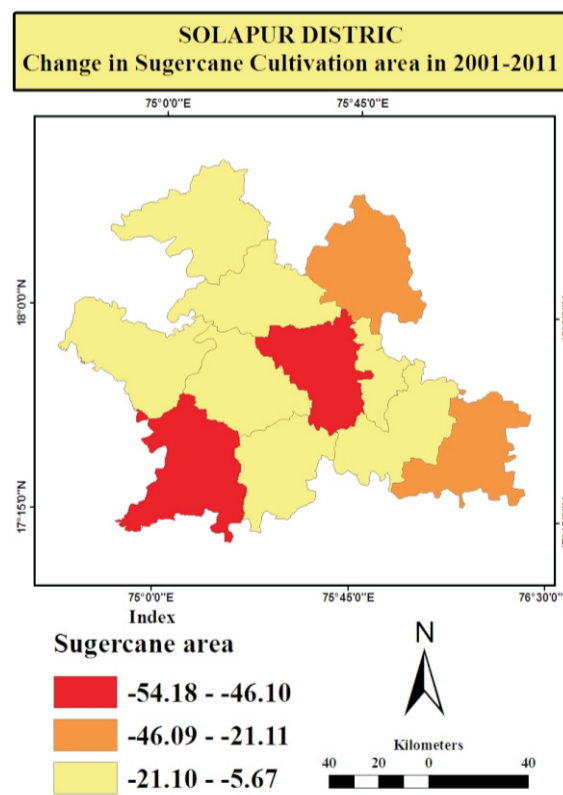
There is an imbalance between supply and demand of sugar in the state of Maharashtra. Sometimes, adverse climate conditions affect the cane production which results in the low production of sugar. Some sugar factories located in Akkalkot, Sangola and Vairag in Barshi tahsil face the problems low yield of sugarcane, short period of crushing and unsuitable location of industries. The inadequate supply of sugarcane is the root cause of low production of sugar in these industries. There is a

need to encourage the farmers to produce enough sugar cane, instead of other corps.

Table No.1
Cultivation area of 'Sugarcane' Area in Solapur district 2001-2011

Talukas	Area of ' Sugarcane'		percent		Change
	2001	2011	2001	2011	2001-2011
North Solapur	1786	4336	6.12	0.44	-5.67
Barshi	6360	6931	21.82	0.70	-21.11
Akkalkot	8736	6816	29.97	0.69	-29.27
South Solapur.	2935	10414	10.07	1.06	-9.00
Mohol	2239	19143	7.68	1.95	-5.72
Mangalwedha	16122	11035	55.31	1.12	-54.18
Pandharpur	4669	36420	16.02	3.71	-12.30
Sangola	13485	1655	46.27	0.16	-46.10
Malshiras	4944	22049	16.96	2.24	-14.71
Karmala	4119	16552	14.33	1.68	-12.64
Madha	3925	16895	13.46	1.72	-11.73

Map No.1



Sugarcane is one of the most important cash crops, grown in the region under study. The cultivation of sugar cane has been steadily increasing because of the opening of number sugar factories in the district and also due to the increase in the irrigation facilities. Sugarcane is only irrigated crop and is grown all over the district in deep black soils. Malshiras tahsil occupies the largest area under sugarcane.

It is a water-loving tropical crop; therefore, it requires high temperature, maximum moisture and irrigation facilities. Sugarcane cultivation has considerably increased in the canal areas since the opening of Nira Canal and Ujani Canal. About 12.33 percent of the total gross cropped area in the district is under sugarcane.

Sugarcane is the principal crop in the cropping pattern of the region. Sugar cane is tremendously increased in land use pattern during 2001 to 2011. The area under sugar cane has been below two percent during 2001 to 2011. It increased from 12.33 percent in 2001 to 2011 and hence, became major and principal crop in the Solapur district.

Sugarcane cropped area is shown in Map no.1 ranges from below ten percent to above twenty percent of the total gross cropped area. The tahsil of Pandharpur recorded -12.30 percent areas under sugarcane. The lowest area is recorded in Madha, Karmala, Solapur North, North Solapur, Malshiras, and Mangalwedha tahsils. Rests of the tahsils have a moderate negative proportion.

The Map no.1 exhibits the pattern of change in sugarcane cropping in the region. The area under sugarcane has increased during the period under investigation. Due to the irrigation facilities and positive approach of farmer's two tahsils namely Sangola and Mohol has recorded high change in area under sugarcane crop during the 2001 to 2011.

CONCLUSION:

The main challenge for the sugarcane cultivation area increased to become more competitive in terms of efficiency and quality of sugar production for export. It has flexibility of Indian Government policies for sugar sector and complicated legal frame work. Solapur sugarcane cultivation area are facing the challenge that how to balance the sugar industries and export quantity with quality in aggression of ethanol production.

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