



CLIMATE CHANGE EFFECT ON SWEETLIME CROP PRODUCTION IN JALNA DISTRICT

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Introduction :

In Aurangabad division Agriculture scattred in Jalna. Beed, Aurangabad, Osamanabad Dist. are Included. In Jalna & Aurangabad Main Crop, Sweetlime largely production in Jalna district. Because this crop productivity favorable condition in Jalna district So, Soil, temp, Rainfall this factiue affected in this Region.

The Location of Jalna district central part of Marathwada Region District location latitude extinction 190° to 200°32'N. ongutode 75°41' to 76°42' East are sited Total area Jalna district 7518 59/m, cense of year 2011 are Tahasil are scatted in District. Soil are very good quality for the Sweetlime So the sweet production high quality.

In this district Kharip and Ribbi session Jawar, Cotton, Soger Cane, heet and Sweetlime is major crop in this districts in last few year Sweetlime is major crop in this district in last few year Sweetlime crop production are descres because change the Climate and low rainfall are main region was affected.

Main Object:

2001 to 2015 in between this year production of Sweetlime one affected by the clime changes region and case study

Study Area:

For the study of sweetlime crop are selected in Jalna district old sweetlime market located in Jalna city. .

Location & Boundary:

In north side Satmala & Ajinta Rainge are scatted N-E- Side In this district Godawari River Basine. In this region productive soils are available, so the production very high the chitrals of Jalna district dry & hot.



Methodology:

In this research paper survey method are use for data collection. Secondary data collected from socio economic abstract.

Study Method:

In this research paper in year 2001 to 2014 production of and per hector crop production in ton.

Major formula is use for the production.

$$\text{Production on in hector} = \frac{\text{Total Production of crop}}{\text{Net shown area}}$$

Subject Explain:

In the Decadal change total production sweetlime in year 2001 to 2010 one affected by the climate change and low rain falls so the cropping pattern in the decadal years the major trend people sweetlime crops.

In this district sweetlime crop major area agriculture change of climatic and rain fall affect on this crops.

Area of sweetlime crop in Jalna District in area / Hector

Sr. No.	Tehsil	Average Area 2001 to 2005	2005 to 2010	2010 to 2014
1.	Jalna	5212	4111	2644
2.	Badnapur	4103	3771	2581
3.	Jafrabad	339	250	180
4.	Bhokardan	318	419	200
5.	Ambad	8712	7999	5737
6.	Ghansawangi	2913	3612	2997
7.	Partur	510	498	565
8.	Mantha	435	403	276
Total		22342	21063	15180

Ref: Jalna district socio-Economic abstract

Production of sweetlime crop in Jalna District.

Sr. No.	Tehsil	Average Area 2001 to 2005	2005 to 2010	2010 to 2014
1.	Jalna	93816	73998	52880
2.	Badnapur	73854	60336	51620
3.	Jafrabad	6102	40001	3600
4.	Bhokardan	5724	6704	4000
5.	Ambad	156816	127984	116740
6.	Ghansawangi	52434	57715	59940
7.	Partur	9180	7968	11300
8.	Mantha	7830	6448	5520

Above table shows the Jalna district sweetlime crop year 2001 are 22542 change hector, in year 2005 are 21063 hector and 2014 are 15180 production of sweetlime crop area are distributed. Total production of sweetlime crop in year 2001 to 2005 are 405.756 mt. ton and year 2005 to 2010 production. 3,45150 m/ tone Decadal change in but this year 2010 to 2014 production of sweetlime crop are 305600 million in this year production of his crop decrease 20 metric ton

Conclusion and Suggestion:

- 1) In the year 2010 conservation of sweetlime crop totally loss in this year.
- 2) Most of Major sweetlime crop year 2001 to 2012 are scatted.
- 3) In the year 2001 to 2002 and 2010 to 2011 in this year sweetlime crop production per/hector decrease.
- 4) Per/Hector production of sweet line crop decrease in future production 13 increasing in potential area.

Suggestion:

Prone area of Marathwada Region are mason effected area so the per /hector production yearly loss. Research of Sweetlime crop, new Innovation of low rain fall new types of verities developed. Open farmer training center in this area, Natural climate change effected on sweetlime crop so the sweetlime crop developed. Crop Insurance scheme farmer



Economic condition in future credit society this concept are develop by the local region at people for the benefit of farmer.

References :

- 1) Socio-Economics Review in Jalna District
- 2) Agriculture Dept. Jalna District
- 3) Soil Conservation Dept. Jalna
- 4) Dist. Censer Hand Books
- 5) www.Jalna.nic.in website