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GRT

**A GEOGRAPHICAL STUDIES ON IMPACT THE IRRIGATION
ON DEVELOPMENT OF AGRICULTURAL SECTOR.**



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ABSTRACT

Irrigation increase agricultural production and income, for households with access. Irrigation assumes permanent importance lest the vagaries of nature and uncertain rainfall (Monsoon) lead to ruining of crop resulting in famine condition.

KEY WORDS: *Geographical Studies, Development Of Agricultural Sector, agricultural economy.*

INTRODUCTION

Irrigation serves a dual purpose in our agricultural economy. Firstly, they provide water for protection to crops, against destruction and damage by failure of rain and secondly. They increase the yield of crops even in normal years.

In Israel, there is low availability of water, therefore there was no other way rather than to use water carefully and efficiently, they developed new techniques to provide water to crops in such a way that there will be no wastage of water and high percentage of yield. This popular technique is known as drip and sprinkler irrigation.

The uses of such farm inputs improve the agricultural crop production and income, irrigation creates additional employment for



agricultural sector, water is a valuable input for agriculture. Irrigation water appears to provide many path ways for poverty alleviation and increase economy development. The access to consistent irrigation, water can enable farmers to adopt. Water supply systems play important role on socio-economic development. Irrigation was a totally responsible for socio-economic development of people of drought prone areas.

Sustainable use of new technologies and equipment's and planning of irrigation is favorable for the development and growth of areas.

Agriculture is the main business of most of the population of India; almost 70% population is dependent on Agriculture.

Using Modern techniques technologies average production per hectre is increasing, but area is limited throughout the India.

To promote the Drip technology fustigation and improved the average production per unit of available land. In the farmer give the information about cultivation practices of selected crops under controlled and uncontrolled open climatic conditions.

ADVANTAGES OF DRIP IRRIGATION IN SUGARCANE –

1. Quick and uniform emergence with high germination percentage.
2. Uniform and high tiller production
- 3 Drip irrigation encourages the development of a concentrated feeding root system which is highly efficient in absorbing water and nutrients.
4. Higher water use efficiency and fertilizer use efficiency reduces cost of cultivation by way of saving water, fertilizers, electricity and labor.
5. Till ring stage requires light and frequent irrigations without excessive irrigation as it coincides with active root development which is highly sensitive to oxygen stress.
6. 70 percent of the sugarcane's water requirements are met from top 30 cm depth of the soil.

Climate –

It is a tropical plant requires, a long warm growing season with a high incidence of solar radiation and adequate moisture. A fairly dry, sunny and cool, but host free climate with wide variation between day and night temperatures are favorable for high sugar recovery. High humidity favors' rapid cane elongation during grand growth period.

Irrigating sugarcane through drip creates unique soil-water-air relations that are highly favorable for its growth and development. Further, through drip, soil moisture is maintained near field capacity encouraging the development of concentrate feeding roots which are mainly involved in the absorption of water and nutrients.

WATER MANAGEMENT –

Through sugarcane is drought tolerant crop but, it requires copious irrigation for high productivity. At the same it cannot tolerate the water logging. The following physiological characteristics have to be considered for efficient water management in this crop.

Irrigation and development of Region –

Irrigation facility is available then this region development is more and increases infrastructure development such as Educational complex, Star roads, mall, petrol pump, Garden those are the facilities develop the Agro base industrial areas. Irrigation started development of rural areas because more established Agro base industrialization and increases product of cash crops.

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