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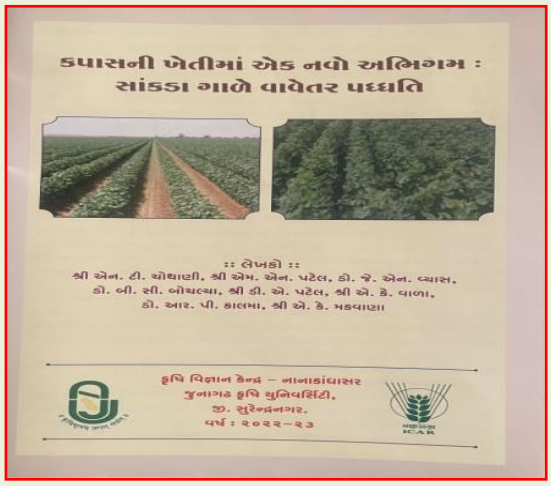

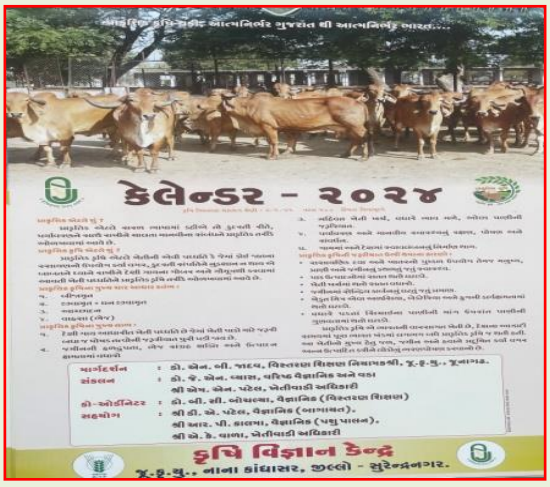

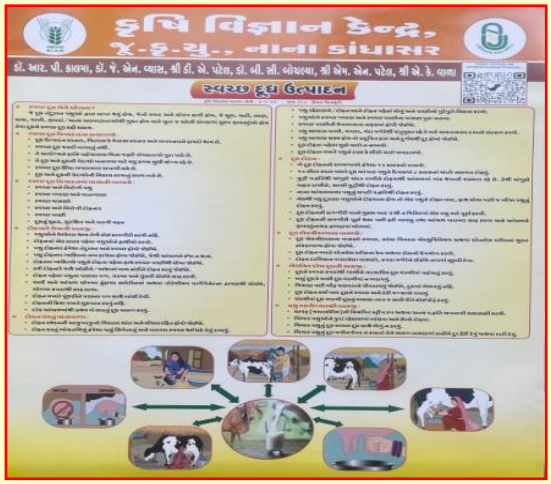

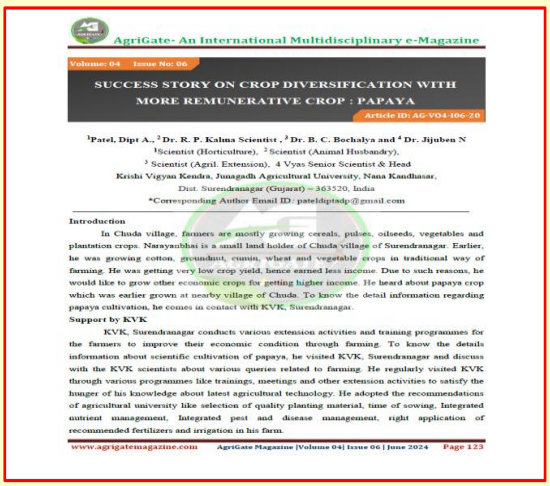
AgriGate- An International Multidisciplinary e-Magazine

Volume: 04 Issue No: 06

SUCCESS STORY ON CROP DIVERSIFICATION WITH MORE REMUNERATIVE CROP : PAPAYA

Article ID: AG-V04-106-20

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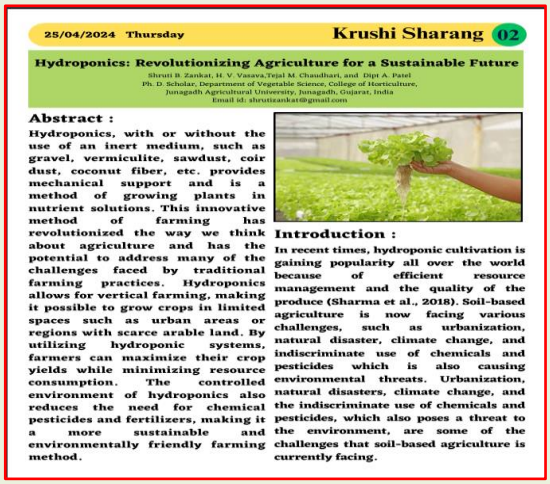
Introduction

In Chuda village, farmers are mostly growing cereals, pulses, oilseeds, vegetables and plantation crops. Narayanbhai is a small land holder of Chuda village of Surendranagar. Earlier, he was growing cotton, groundnut, cumin, wheat and vegetable crops in traditional way of farming. He was getting very low crop yield, hence earned less income. Due to such reasons, he would like to grow other economic crops for getting higher income. He heard about papaya crop which was earlier grown at nearby village of Chuda. To know the detail information regarding papaya cultivation, he comes in contact with KVK, Surendranagar.

Support by KVK

KVK, Surendranagar conducts various extension activities and training programmes for the farmers to improve their economic condition through farming. To know the details information about scientific cultivation of papaya, he visited KVK, Surendranagar and discuss with the KVK scientists about various queries related to farming. He regularly visited KVK through various programmes like trainings, meetings and other extension activities to satisfy the hunger of his knowledge about latest agricultural technology. He adopted the recommendations of agricultural university like selection of quality planting material, time of sowing, Integrated nutrient management, Integrated pest and disease management, right application of recommended fertilizers and irrigation in his farm.

www.agrigatemagazine.com AgriGate Magazine [Volume 04] Issue 06] June 2024 Page 123


25/04/2024 Thursday **Krushi Sharang** 02

Hydroponics: Revolutionizing Agriculture for a Sustainable Future

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Abstract :

Hydroponics, with or without the use of an inert medium, such as gravel, vermiculite, sawdust, coir dust, coconut fiber, etc. provides mechanical support and is a method of growing plants in nutrient solutions. This innovative method of farming has revolutionized the way we think about agriculture and has the potential to address many of the challenges faced by traditional farming practices. Hydroponics allows for vertical farming, making it possible to grow crops in limited spaces such as urban areas or regions with scarce arable land. By utilizing hydroponic systems, farmers can maximize their crop yields while minimizing resource consumption. The controlled environment of hydroponics also reduces the need for chemical pesticides and fertilizers, making it a more sustainable and environmentally friendly farming method.

Introduction :

In recent times, hydroponic cultivation is gaining popularity all over the world because of efficient resource management and the quality of the produce (Sharma et al., 2018). Soil-based agriculture is now facing various challenges, such as urbanization, natural disaster, climate change, and indiscriminate use of chemicals and pesticides which is also causing environmental threats. Urbanization, natural disasters, climate change, and the indiscriminate use of chemicals and pesticides, which also poses a threat to the environment, are some of the challenges that soil-based agriculture is currently facing.