

**PROCEEDINGS OF THE ONE DAY AWARENESS PROGRAM ON
“IMPACT OF CLIMATE CHANGE ON AGRICULTURE
AND FARMERS-SCIENTISTS INTERACTION”**

As part of the objectives of the **GKMS** project, “Farmers’ awareness program on climate change and Framers-Scientists interaction” was conducted on **14th March, 2015 at KVK, Magadi, Ramanagara District, Karnataka.**This programme was organized with the major emphasis on “Climate change and its impact on agriculture”. Dr. H.S.Shivaramu Professor and Head, Department of Agrometeorology, Dr. Latha R Kulkarni, Subject Matter Specialist, KVK, Magadi, Sri. Puttappa, Progressive Farmer, Kuttanagere watershed village, Ramanagara district participated in the awareness program. About 100 farmers had participated in the programme.

Guests and Scientists were welcomed by Dr. H.S.Shivaramu.

The programme was presided by Dr. Latha R Kulkarni, Subject Matter Specialist (Food and Nutrition), KVK, Magadi. Dr. B.G.Hanumantharaya, Subject Matter Specialist (Horticulture), KVK, Magadi participated as resource person. Programme was inaugurated by Sri. Puttappa,, Progressive Farmer, Kuttanagere watershed village, Ramanagara district along with other guests.

After the inauguration, Dr. Latha R Kulkarni, Subject Matter Specialist spoke about the benefits of the programme and advised the farmers to use this opportunity to increase their knowledge about climate change and cropping systems. Particularly making use of climate small millets. The challenges of vagaries of weather farmers have to be accepted by adopting suitable strategies to overcome climate change, need for water use efficiency, sustainable agriculture, importance of mixed cropping etc., She also emphasized on the importance of minor millets (nutri-rich millets) and their better adaptability under water stress and climate change.

Dr. H.S.Shivaramu, Professor and Head, AICRP on Agrometeorology, UAS, Bengaluru gave the brief introduction of the programme and appraised the farmers about the core intention of the programme which is to provide the platform for farmers to interact on crop specific problems as influenced by the changing weather situations with the concerned scientists. He explained about the Global warming, climate change and its impact on agriculture on different scales. To combat the climate change adaptation and mitigation for climate resilient agriculture, the steps taken by different agencies including the UAS, Bangalore had been illustrated to the farmers. He mentioned that this project and UAS, Bangalore giving the Agromet Advisory Bulletins to the farmers twice a week. It was conveyed that cultivation of crops according to water availability is important and adoption of Agroforestry systems for sustainable income against the abnormal rainfall situation. He explained in detail about the climate resilient agriculture and its adaptation to realize the potential yield for food security and the responsibility of the farmers in the process. There was a very good interaction from the farming community and expressed an interest in implementing the mitigation strategies. Further, he explained about the agronomical practices to be followed under climate resilient agriculture and the contingent crop planning under aberrant climate situation. The use of available rainwater in efficient manner by different water conservation structures like farm ponds, nala bunds etc., by taking an example of success story of Kuttanagere watershed was demonstrated. He urged the farmers to make use of the Gramin Krishi Mausam Sewa (GKMS) project technical inputs and Agro-met advisory for better midseason corrections and contingency cropping. Farm pond technology was explained in details about its advantages to overcome dryspells, establishments of nursery, orchards, fishculture and raise in groundwater table.

1. **Dr. B.G.Hanumantharaya, Subject Matter Specialist (Horticulture), KVK, Magadi**– Briefly explained about Selection of planting materials and brief explanation regarding pests and disease management in Mango, Arecanut and Coconut plants
2. **Sri. Puttappa, Progressive Farmer**
He explained the importance of changing the cropping pattern under changing rainfall pattern and changing climate. He briefly explained the importance of growing the trees, conservation of moisture in the soil and making best use of community lands for afforestation.

A separate interaction session was organized for farmers. Many questions raised by the farmers were answered with suitable solutions. The Awareness programme was concluded with the vote of thanks.

Glimpses of Climate change awareness and Scientists-Farmers interaction programme

