

COTTON *Innovate*



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Scientific Talks



Natural Disaster and their Preparedness

Dr. D. Kanjana, Scientist (Soil Science) CICR,RS,Coimbatore

As a part of weekly scientific talk at CICR, Regional Station, Coimbatore, Dr. D. Kanjana, Scientist (Soil Science) gave a talk on “Natural Disaster and their Preparedness on 23rd May, 2015. In her presentation she highlighted the top most deadly disasters in the world, how it occurs, how to measure it, what are all the effects will be happened, disaster status in India and how to mitigate it etc. Disaster is a very common phenomenon to the human society. Disaster means the product of hazards and vulnerability of that particular event whether it may be a natural or it may be a human made one. Since time immemorial, the natural disaster has been experienced by people but their intensity and frequency has been increased more and more in recent years only. The natural disasters are classified into Geological based (Earthquake, Volcanic eruptions, Tsunami, Landslide, Avalanche), weather and climate based (Cyclones, Tornado, Flood, Drought, Heat waves, Blizzard), diseases and biological threats and disaster from space. Of all the disasters, floods are the most common followed by wind storms, droughts and earthquakes. Because of over population and urbanization, disaster happens frequently and their impacts are very serious such as death, disability, diseases, psychological problems, food shortage, socio economic losses and ecological disruptions. India, due to its geographical locations and geological formations, is one of the most disaster prone countries in the world. Approximately 65, 70, 5 and 8% land area are vulnerable to earthquakes, drought, flood and cyclone respectively. From the region wise analysis, it is clear that northern region of India is faced with problems of avalanches, landslides, floods, drought and earthquakes because this region fall under the seismic zones III to V. The Eastern region is confronted with the heavy floods in the perennial rivers of Brahmaputra, Ganga, etc. Drought, heat wave, hailstorm, cyclone, heavy wind and earthquake are also common in this region. The Northeastern region faces the natural disaster in the form of flood, landslides, wind outrage, earthquake as most of this part of the country comes under the seismic zones IV and V. The Western region is widely known for severe drought, wind erosion of land and soil, flood and cyclone. This area is also prone to earthquakes. The Southern region, particularly the coastal region is vulnerable to cyclones, sea erosion, tsunami, landslides. The islands of Andaman & Nicobar and Lakshadweep are confronted with the problems of sea erosion and tsunami. Since natural disaster is the natural phenomena and part of our life, could not be controlled but it can be manage it by adopting some preparedness and mitigation strategies.

Farmers' Training on cultivation of *desi* cotton *Phule Dhanwantary*

ICAR- CICR, Nagpur in coordination with the YUVA Rural Association. Nagpur organized one day training on the cultivation of *desi* cotton variety *Phule Dhanwantary* under High Density Planting system on 27th May 2015. Around 40 farmers from Nagpur, Wardha, Amravati, Buldana, Washim, Akola and Jalna districts of Maharashtra participated the long programme. Shri Datta Patil, Founder, YUVA Rural Association welcomed the farmers and officials and stated that the objective of the training was to understand the package of practices for the cultivation of *Desi* cotton and re-inforce the do's and don'ts in its cultivation. Dr. K. R. Karnthi appreciated the recent R&D efforts on *desi* cotton and the recent initiatives leading to the formation of Vidarbha *Desi* Cotton Growers' Association under the stewardship of Yuva Rural Association. Dr. Vinita Gotmare, Principal Scientist, CICR made a detailed presentation explaining the complete production and protection technology for profitable cultivation of *Phule Dhanwantary* and ended the presentation with a slide show. Dr. Sandhya Kranthi HOD, Crop Protection, Dr. D. Blaize, HOD, Crop Production, Dr. Suman Bala Singh, HOD, Crop Improvement and Dr. M. V. Venugopalan responded to various questions raised by the farmers regarding weed control, pest management, seed production, economics and marketing. Later Dr. Laximikant Padole, Director, Neem Foundation, Nagpur made a presentation on the preparation of Neem Seed Kernel extract and its use for pest management in cotton and other crops. Representatives from surgical cotton industry also attended the training workshop. The participating farmers were provided with 5 kilograms of seeds of *Phule Dhanwantary* for planting in one acre, along with a leaflet containing the package of practices.



Workshop for Farmers

Sub - Divisional Agricultural Officer (SDAO) Katol organized Workshop and Kisan Goshti for the Farmers at Shri Arvindbabu Deshmukh Sabhagruha (Katol, district Nagpur) on May 29, 2015 where more than 600 farmers from various villages of Katol Taluka attended the programme.



Dr Vinita Gotmare, Principal Scientist gave a detailed powerpoint presentation on the High Density Planting System. She highlighted varieties Suraj and *Phule Dhanwantary* for lowering the cost of production. In this programme Dr Ashish Deshmukh, MLA, Katol Vidhansabha Constituency; Shri Vijay Ghawte Joint Director Agriculture, Nagpur Division and other officials from Maharashtra State Agriculture Department actively participated. CICR officials Dr Sandhya Kranthi, Head Crop Protection Division, Dr Shailesh Gawande, Scientist (Pathology) & Shri Harish Kumbhalkar participated in discussion and solved the farmer's queries.

Meetings attended

Dr. Vishlesh Nagrare attended Steering Committee Meeting of CROPSAP chaired by Commissioner of Agriculture during 25-26 May 2015 at Pune.

Dr. Vishlesh Nagrare and Dr G. Balasubramani attended Training Workshop for Institutional Biosafety Officers during 27-28 May 2015, New Delhi.

Dr. D. Monga attended the 14th meeting of the cotton –Technical Assistance Program (TAP) Steering Committee at Udyog Bhawan, New Delhi on 26th May, 15.

Farewell Meeting

Mr. M.T. Naphade, Technical Officer (T 7-8), Division of Crop Production was accorded warm farewell on May 30, 2015 on behalf of staff welfare club. Dr. K. R. Kranthi, Director, CICR, felicitated Mr. Naphade on the occasion. All the Scientists, administrative, technical supporting and other staff were present on the occasion



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