

# TOT on Advanced, Organic, Natural and Eco-friendly Agriculture; Systems & Practices. A Joint programme of SARRA Bangalore, HDF School of Management, Bhubaneswar & XIMB

## Program Introduction

Nearly a third of world's people -almost all of them poor-directly depend on what they can grow, gather or catch. While everyone on earth ultimately depends on its natural systems, the poor are particularly becoming the most vulnerable to those degraded systems.

In case of Agriculture, the sector is undergoing an irreparable loss through excess use of chemical fertilizer and pesticides imposed by the national governments through its green revolution technology highlighting mono-cropping patterns of agriculture without any bio- pest and bio-fertiliser use. The current rising costs of modern agriculture inputs for a farmer on chemical fertilizer and pesticides, no more makes break-even, but increases the trend of growing number of suicidal cases among advanced farmers. Soil and water degradation has impoverished human conditions. Perverse economic incentives have added further fuel to the fire of worries of farmers more. Chemical used food products have lost the place in Global market. Our much inherited ecology and bio-diversity has been endangered forcing people gradually lose their natural means of livelihoods and further contribute to the growing cause of Global Warming. Hence the natural call for natural and organic farming methods and technology find the place so paramount. The concept was practiced in most of the South Asian Countries earlier. However, Dr. Chohan from Korea for the first time propagated it some 40 years back which SARRA Bangalore is popularizing that in India through its micro-lab in Pullicherella near Tirupati. The Technology is "Low" budgeted Agriculture and mostly makes use of natural inputs to attract the microbes (*Indigenous Micro Organisms(IMOs) made using steamed rice, pulses, and Jaggery water to improve soil fertility. Fermented Plant juice forms an integral compound used in it. Instead of the pesticides, it highlights employing insect attractants etc. living within the first 15 feet below the earth's surface to become great friends of the SA farmers.*

## Objectives

- To enhance participants level of awareness, knowledge, and motivation for participation in the A-ONE initiatives.
- To help them develop practical knowledge and skills for promoting "A-ONE & Low Budgeted Agriculture".
- To facilitate and build participants attitudinal changes on the ill effects of GRT and BT technologies.
- To familiarize them on Dr. Chohan Hu's propagated Technology and other SA technologies, methods and techniques practiced across the Globe.
- To encourage them to consolidate and carve out appropriate action plans to follow up at back home situation.

## Coverage

- Global Natural Farming and Sustainable Agriculture concept; An overview.
- High-tech Agriculture vs Natural Farming methods.
- Why SA is not sustainable in India?
- Surprises to Environmental Dimensions in SA and Food Security in India.
- Promotion of indigenous micro Organisms (IMOs) in SA through "A-ONE.
- Low Budget Agriculture.
- Integrated Soil and Water Management.

- Integrated Pest Management and Biological control.
- Exploring indigenous knowledge base of traditional farming systems and potentials of new knowledge society.
- Application of SA technology by Landless families.
- Field Exposure to SA sites and farms.
- A Case Analysis of SAMBHAV-a successful SA Experiment & field exposure.
- SA Farmers and scientists points of view.
- Exposure to Biju Patnaik Open Air Jail (Ashram), Jamjhari.
- SA- An important Alternative to set Micro-enterprises; A SWOT Analysis.
- Navigating to future and Individual follow up action plan.

### Expected Participants

Managers/Officers/Executives/Practitioners involved and interested in SA Technology and GNF Methods and Techniques or who like to peruse the practice of the SA technology in the coming days irrespective of representing whether Govt., NGO, CBO, Panchayati Raj or Corporate houses.

### Methodology

The Approach to training will be out and out participatory. It will be full of highly interactive sessions, Games, practical and field exposure visits. However, there will be a few conceptual sessions coupled with case analysis and field exposure to some successful farm practices and demonstrations like the Orissa Open Air Jail. It will also include multi-media use with display of best practices across the country.

### Expected Outcomes

- Participants developed a critical understanding of SA and GNF Vrs GRT & BT Technology; methods and techniques.
- Participants did a hands-on-practice of the SA technology.
- They prepared appropriate action plan to follow up at back home situation.

#### Programme Directors

Dr. Rohini Reddy  
Mrs. Jageshwari Devi  
Mr. LD Swain

#### Duration

5 days: July 20-24, 2009

#### Venue

Bhubaneswar