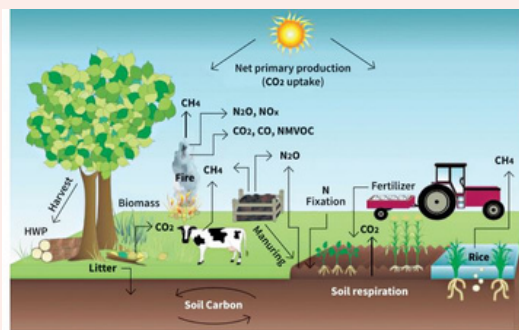
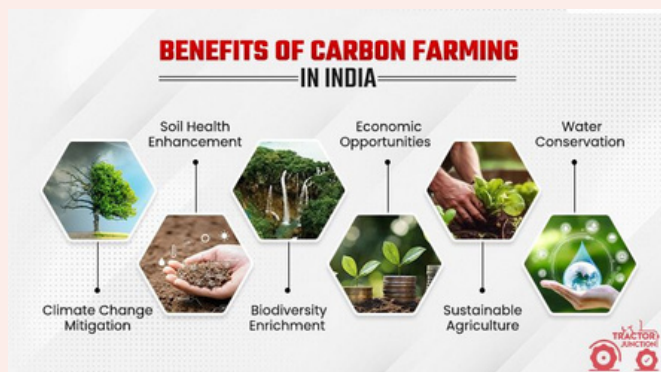


## On campus Training Programme on

## Carbon Credits in Food and Agriculture, Carbon Finance, Carbon Farming



In agriculture, carbon credits can be earned by adopting practices that reduce emissions or sequester carbon, such as conservation tillage, agroforestry, or improved livestock management. These credits can be sold on carbon markets, providing a financial return for sustainable farming practices. Carbon finance refers to the financial instruments and funding mechanisms that support projects aimed at reducing carbon emissions. In the agricultural sector, carbon finance can facilitate investment in technologies and practices that lower the carbon footprint of farming operations. This includes funding for renewable energy installations, efficient irrigation systems, and carbon sequestration projects. By leveraging carbon finance, farmers can access the capital needed to implement sustainable practices, which can lead to long-term economic and environmental benefits. Carbon farming involves implementing agricultural practices that capture and store carbon in the soil, plants, and trees. This can include methods like cover cropping, reduced tillage, and reforestation. The goal of carbon farming is to enhance soil health, increase biodiversity, and contribute to the global effort to combat climate change. Farmers who engage in carbon farming can generate carbon credits, which can then be sold or traded, providing a new revenue stream and encouraging widespread adoption of sustainable practices. The integration of carbon credits, carbon finance, and carbon farming into the food and agriculture sectors is vital for promoting environmental sustainability while also offering economic benefits. By participating in carbon markets and adopting carbon-friendly practices, farmers can play a significant role in reducing global greenhouse gas emissions, ensuring food security, and contributing to a sustainable future. This training program aims to equip participants with the knowledge and skills necessary to navigate and benefit from these emerging opportunities in the agricultural landscape.

**Objectives of the training:** At the end of the training the participants will be able to

- Gain a comprehensive understanding of carbon credits and its significance in agriculture and food production.
- Learn about the global carbon market, key players, and the mechanisms involved in trading carbon credits.
- Learn Sustainable management practices to enhance carbon sequestration
- Participants will learn about Carbon Reduction Strategies and Initiatives for meeting climate Goals

### Course content

- Overview of Carbon Credits and their importance in Agriculture,
- Carbon Sequestration techniques in Agriculture,
- Carbon Crediting in Agriculture for achieving the Sustainable Development Goals
- Reduction of Carbon emission through best management practices in Paddy crop
- Practical experience sharing on Biochar and Paddy for Co2 emission
- Empowering Communities, Enabling Carbon Markets: A Just Transition Story with TRST01, Practical experience sharing on Biochar and paddy for Co2 emissions
- Carbon credits through Agroforestry, Best/Sustainable management practices to enhance carbon sequestration
- Trading Carbon Credits
- Carbon credits: Initiatives for meeting Climate goals
- Carbon Reduction Strategies in Agriculture
- Extension Strategies for popularization of carbon Farming

### Methodology

- Presentations by eminent speakers/experts
- Interim Interactive sessions
- Interim Group discussions
- Brain storming
- Individual and Group presentations
- Individual and Group assignments

### Participating Officers:

Middle Level Extension Officers of Dept. of Agri. Karnataka

Duration: 20th–24th May, 2025 On-Campus training progr.

Further Information can be obtained from

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**Evaluation:** Pre, Post Course evaluation and After Training Evaluation will be administered to the participants to assess their knowledge and effectiveness of the training respectively

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The global push towards sustainability and reducing greenhouse gas emissions has significantly impacted the food and agriculture sectors. Carbon credits, carbon finance, and carbon farming have emerged as crucial mechanisms to support this transition. These concepts not only help mitigate climate change but also offer economic incentives for farmers and agribusinesses to adopt sustainable practices. Carbon credits represent a permit or certificate that allows the holder to emit a certain amount of carbon dioxide or other greenhouse gases.