

C. Sustainability Education for Climate Change: Soil Health and Ecological Stability



Ministry of Earth Sciences
Govt. of India

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Soils are essential for life, influencing agricultural productivity and environmental health. Sustainable education on soil health focuses on practices that enhance soil quality. Key practices include conservation tillage, cover cropping, and crop rotation.

Objectives

- Integrate sustainable soil management in farming for improved productivity and sustainability.
- Raise awareness of healthy soil's role in food security and human well-being.
- Promote online courses for farmers and advisors on soil management.
- Provide hands-on training and mentorship for implementing soil health systems.
- Create educational materials on soil health for wide distribution.





In December 2023 (Year 2023-24), guided by the Ministry of Earth Science - New Delhi, The Young Citizens of India organised two National Awareness seminars with the College of Agriculture block of Tharad - Banaskantha District and Banas Farmer Producer Co-Korda block Satalpur, Banaskantha District and local farming organizations. It was attended by over 600 farmers and 350 students from various institutions. Participants learned about responsible fertilizer use, selecting appropriate crops based on soil characteristics, and maintaining soil fertility through sustainable

practices. Emphasis was placed on coordination between local officials and community members for effective program implementation.

Best practices discussed included soil analyses before sowing, minimizing chemical inputs, crop rotation, efficient irrigation, and tree preservation. The seminars underscored the idea that significant achievements begin with simple actions, promoting a collective commitment to environmental protection.