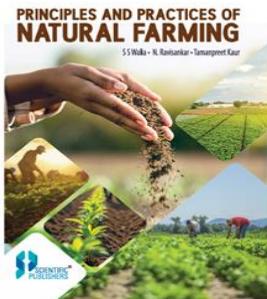


Principles and Practices of Natural Farming



[S.S. Walia](#) , Tamanpreet Kaur & N Ravisankar

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Blurb

This book provides a scientific and systematic exposition of natural farming, grounded in the Indian heritage of ancient agricultural practices and extending to contemporary ecological frameworks. It elucidates the historical evolution, fundamental principles, objectives, and scope of natural farming, highlighting its relevance in mitigating climate change, enhancing soil health, optimizing water use, promoting carbon sequestration, conserving biodiversity, and ensuring food and nutritional security in alignment with the Sustainable Development Goals (SDGs). The text critically examines various schools and methodologies of natural farming, the design and functional characteristics of natural farms, and the integration of crops, trees, and livestock for ecological balance. Core topics include nutrient cycling, pest and disease management, ecological engineering, footprint assessments (ecological, water, carbon, nitrogen), and ecosystem service evaluation. Additionally, the book addresses certification standards, value addition, market potential, and policy interventions, supplemented with case studies and models of successful implementation. It is intended for researchers, students, extension professionals, and policy planners engaged in sustainable agriculture.

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