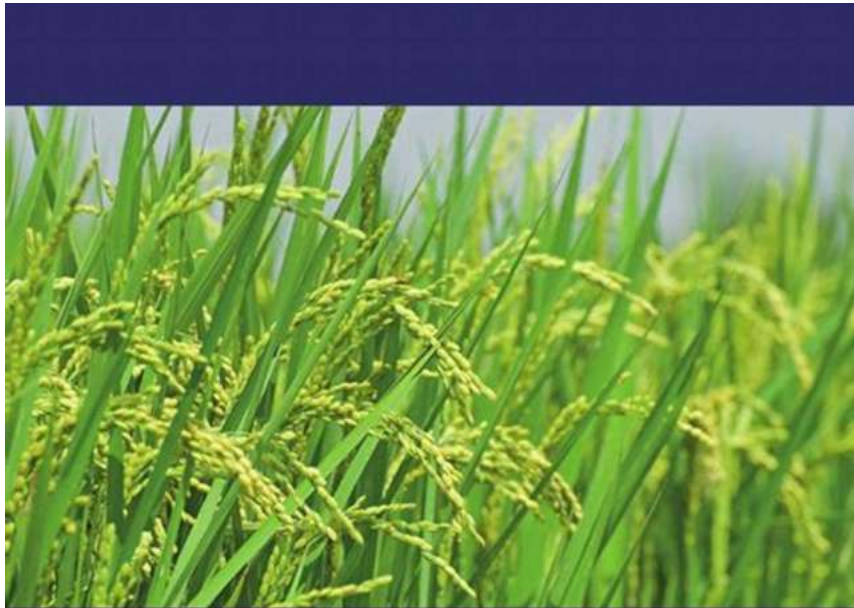


# Unveiling the Secrets of Organic Fertilisation: Achieving Soil Quality and Enhancing Human Health



Aung Kyaw Myint  
Takeo Yamakawa

## Organic Fertilization on Wetland Rice for Sustainable Agriculture

Organic Matters for Crop Nitrogen Sources

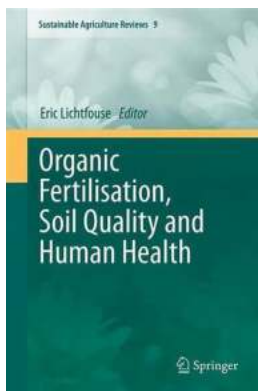


As society becomes increasingly aware of the importance of sustainable agriculture, organic farming practices have gained immense popularity. Among

the key factors contributing to sustainable and environmentally-friendly farming is the use of organic fertilisation. This article explores the vital connection between organic fertilisation, soil quality, and human health, shedding light on the remarkable benefits of organic farming.

## What is Organic Fertilisation?

Unlike conventional farming methods that rely heavily on synthetic fertilisers, organic fertilisation utilizes natural substances to nourish the soil and plants. Organic fertilisers can be derived from various sources, such as compost, animal manure, and plant by-products. By supplying plants with essential nutrients in a slow-release manner, organic fertilisation promotes a balanced and healthy ecosystem.



## Organic Fertilisation, Soil Quality and Human Health (Sustainable Agriculture Reviews Book 9)

by Eric Lichtfouse (2012th Edition, Kindle Edition)

★★★★☆ 4.2 out of 5

Language : English

File size : 4577 KB

Text-to-Speech : Enabled

Screen Reader : Supported

Enhanced typesetting : Enabled

Print length : 597 pages



## The Importance of Soil Quality in Sustainable Agriculture

Soil is the foundation of sustainable agriculture, and its quality plays a pivotal role in the overall success of farming practices. Organic farming embraces techniques that enhance soil structure, increase water retention, and promote beneficial

microbial activity. By cultivating healthy soil, farmers can ensure optimal plant growth, reduce the risk of pests and diseases, and conserve water resources.

## **Benefits of Organic Fertilisation for Soil Quality**

Organic fertilisation offers numerous advantages for soil quality, making it an essential component of sustainable agriculture. Firstly, organic fertilisers improve soil structure by increasing its ability to retain moisture, preventing erosion, and allowing roots to penetrate deeply. Secondly, organic fertilisers release nutrients slowly, preventing nutrient leaching and ensuring a continuous supply of essential elements for plant growth. Thirdly, organic fertilisation encourages the growth of beneficial soil microorganisms, which aid in breaking down organic matter and creating a nutrient-rich environment for plants.

## **Promoting Human Health with Organic Fertilisation**

Not only does organic fertilisation benefit soil quality, but it also safeguards human health. Organic farming practices prohibit the use of synthetic pesticides, herbicides, and genetically modified organisms (GMOs), reducing the likelihood of chemical residues on crops. This fosters the production of healthier and safer food, containing higher levels of essential nutrients, such as vitamins, minerals, and antioxidants. By consuming organic produce, individuals can minimize their exposure to harmful substances and support their overall well-being.

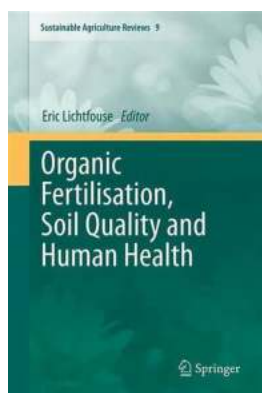
## **Ensuring Sustainable Agriculture for Future Generations**

Embracing organic fertilisation and sustainable agricultural practices today is crucial for the well-being of future generations. By avoiding the use of synthetic chemicals, organic farming helps preserve biodiversity, protect water sources, and promote the overall health of ecosystems. Additionally, organic farming methods are more energy-efficient and contribute to reducing greenhouse gas emissions, combating climate change.

## The Road Ahead: Embracing Organic Fertilisation

Transitioning towards organic fertilisation is a rewarding step towards sustainable agriculture and the preservation of our planet. Farmers and consumers alike play a role in supporting organic practices by choosing organic produce, promoting organic farming initiatives, and advocating for policy changes. Together, we can build a more sustainable future while nourishing the soil, improving human health, and fostering ecological harmony.

Organic fertilisation serves as a cornerstone of sustainable agriculture, promoting soil quality and human health. By implementing organic farming practices, we can enhance soil structure, minimize chemical residue in food, and contribute to a healthier planet. Embracing organic fertilisation is not just a trend but a necessity for a brighter and more sustainable future.



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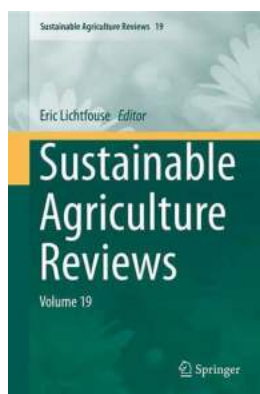
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Sustainable agriculture is a rapidly growing field aiming at producing food and energy in a sustainable way for our children. This discipline addresses current issues such as climate change, increasing food and fuel prices, starvation, obesity, water pollution, soil erosion, fertility loss, pest control and biodiversity

depletion. Novel solutions are proposed based on integrated knowledge from agronomy, soil science, molecular biology, chemistry, toxicology, ecology, economy, philosophy and social sciences. As actual society issues are now intertwined, sustainable agriculture will bring solutions to build a safer world. This book series analyzes current agricultural issues and proposes alternative solutions, consequently helping all scientists, decision-makers, professors, farmers and politicians wishing to build safe agriculture, energy and food systems for future generations.



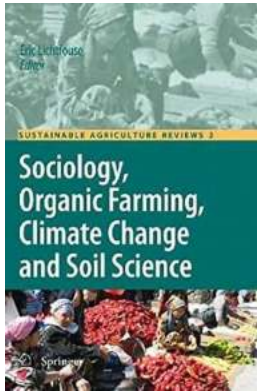
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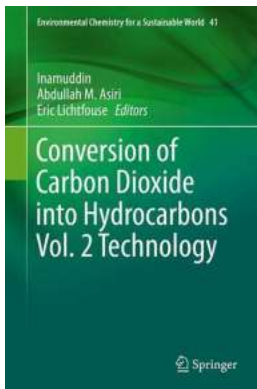
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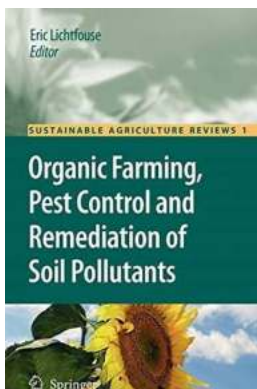
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



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