
AGRICULTURE
Beyond
CHEMICALS

ABSTRACT

Agriculture and farming have a long history.

The modern agricultural practices affect the environment .

Usage of more organic matters in agricultural practices can reduce the adverse effects on the environment by keep saving its natural cycles on recovery process and organic farming may enhance the food quality too.

INTRODUCTION

Modern agriculture is an evolving approach to agricultural innovations and farming practices based on the use of high-yielding varieties of seeds, chemical fertilizers, irrigation water, pesticides, etc

The rapid increase in the requirement for food couldn't be provided by using traditional methods and people have invented more ways over the natural process.

Organic farming is recognized as the best-known alternative.

ORGANIC FARMING

Organic farming refers to "a system which avoids and largely excludes the use of artificial inputs"

(e.g., fertilizers, pesticides, hormones, feed additives, etc.).

The financial need for organic farming is low compared with modern agriculture.

Organic farming provides solutions for most problems faced by contemporary issues in agriculture and food Production.

Organic products are richer in nutrients and largely free of pesticide residues and additives.

PROBLEM STATEMENT

Chemicals, used in modern agriculture, pose threat to environment and human health. In contrast,organic fertilizers offer a sustainable alternative, but their adoption is hindered by limited awareness, high costs, and lack of infrastructure. How can we promote the widespread adoption of organic fertilizers, ensuring a healthier and more sustainable food system for future generations?

PREVIOUS IMPLEMENTATION

Sludge is a semi-solid slurry that can be produced from a range of industrial, water treatment, wastewater treatment, or on-site sanitation processes.

Biofertilizers are products containing one or more species of microorganisms that can mobilize nutritionally important elements from biological processes.

Digital technology and tools help organic farmers to monitor and optimize crops health.Digital technology can be used in organic farming including tillage, irrigation, fertilization, postharvest, storage, and transportation of farm products.

IDEA

Our venture aims to establish a digital platform that incentivizes sustainable waste management. By providing monetary compensation for organic waste collected from households, farms, and other sources, we facilitate efficient waste disposal and resource recovery. The collected organic matter is then transformed into high-quality organic manure, which is subsequently offered to farmers at affordable prices, promoting sustainable agriculture and a circular economy.

Website: “G0Gather”

Source code:
https://gist.githubusercontent.com/kowshik-29/87a690bd5f3cba21f1901fa04e8a191f/raw/ad49fe280626ef0cc032dbdf1400fd34370a78a8/gistfile1.txt

THANK YOU

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