

Green revolution to overcome food deficiency



**INCREASED
AGRICULTURAL
PRODUCTIVITY**



FOOD SECURITY



**ECONOMIC
GROWTH**



**TECHNOLOGICAL
ADVANCEMENTS**

Global Greenhouse gas emissions from agrifood systems grew by 10 percent between 2000 and 2021

<https://icar.gov.in/sites/default/files/2022-12/Indian-Agriculture-after-Independence.pdf>
•<https://www.nature.com/articles/s43247-023-00902-6>

DN

Dilip Nai...

SS

Sruthi Su...

RM

Rohini M...

SJ

Sandeep...

SM

Suman B...

AR

Adheesh...

D

Deelip

CP

Chirag P...

AS

abhineh...

PK

Pankaj K...

KP

Kasturi P...

MG

Manoma...

HK

Harsha K...

A

AMRUTA

GG

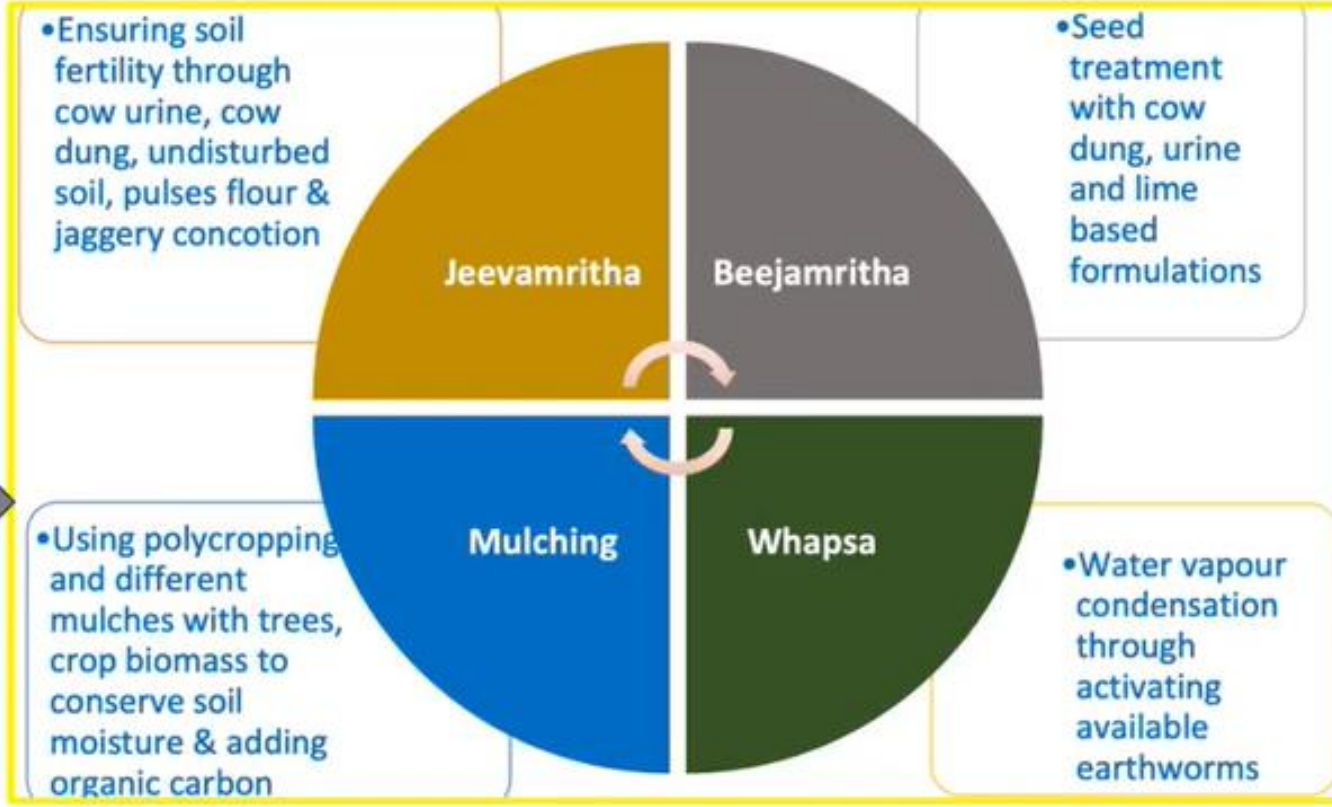
Gazal Gu...

+2

Why the need to adopt ecofriendly agriculture methods?

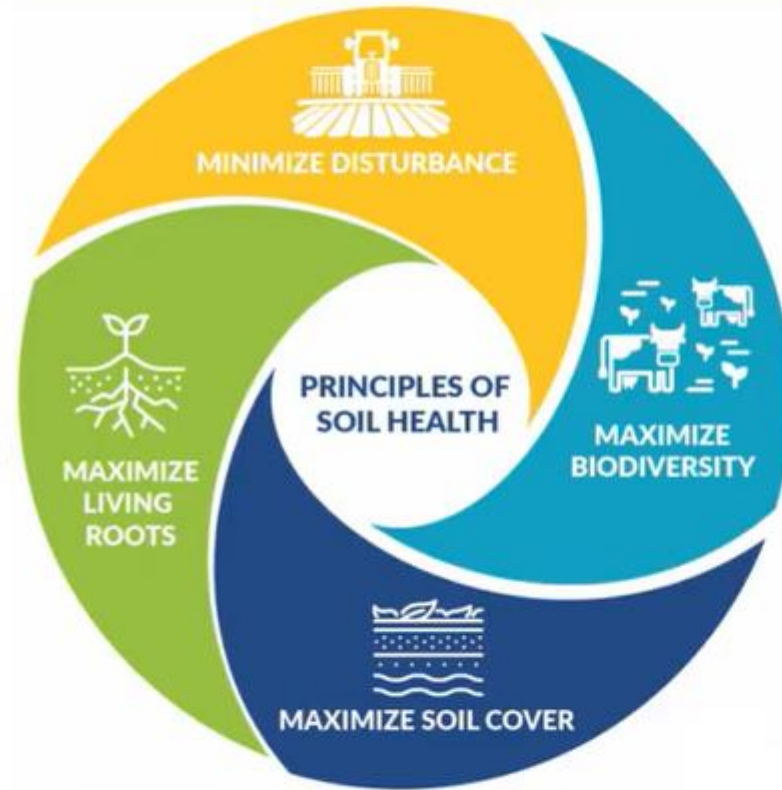
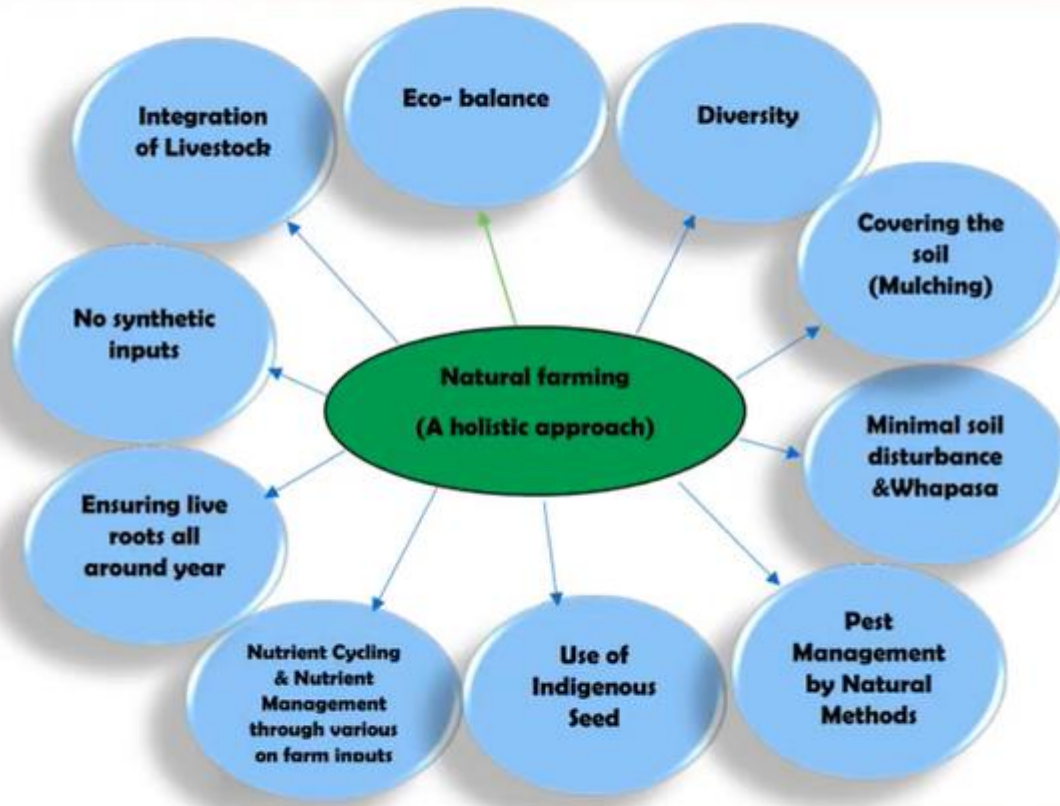
Many reports show that excess use of herbicides, pesticides and synthetic fertilizers have reduced or shifted the beneficial bacterial abundance

To counter the protracted use of fertilizers, there is an urgent need to identify suitable integrated plant nutrient systems for different crops and cropping systems



DN Dilip Nai... SS Sruthi Su...
RM Rohini M... SJ Sandeep...
SM Suman B...
AR Adheesh... D Deelip...
CP Chirag P... AS abhineh...
KP Kasturi P... MG Manoma...
HK Harsha K... A AMRUTA
GG Gazal Gu...
PK Pankaj K... +3

Natural/Organic/regenerative/Zero-budget natural farming advocate agroecological principles, aim to deliver without synthetic inputs



But can these alternate practices increase yield of crops without synthetic inputs?

8

<https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soils/soil-health>

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HK Harsha K...	A AMRUTA
GG Gazal Gu...	
V Vivek	+2

Eco-friendly **Agro-Technology** & Field Research

Cownomics[®] Technology:
Transforming Industrial wasteWater
into **Agricultural Gold**

A presentation by

**Vaedic Srijan**



RM

Rohini M...

DN

Dilip Nai...

JN

Jyothi naik

P

Palak

LS

lohit saikia

+15

Key Challenges

across the globe is fighting...



Pankaj Kumar

RM

Rohini M...

AR

Adheesh...

JN

Jyothi naik

P

Palak

LS

lohit saikia

AK

Avneet K...

HE

Harshita...

D

Deelip

GG

Gazal Gu...

H

Haroon

+10



- Weather Irregularities
- Diseases Attack
- Pest Attack

Pankaj Kumar



Vaedic Srijan

For a recession free **ECONOMY**, the key necessity is contamination free **ECOLOGY**



BEFORE

	Decimal	DMS	
Latitude	28.813693	28°48'49" N	
Longitude	78.7562	78°45'22" E	
			42°C 108°F

AFTER

MAINATHER, MORADABAD

MADHUKAR SWAYAMBHU

2023



Pankaj Kumar

- RM Rohini M...
- DN Dilip Nai...
- JN Jyothi naik
- P Palak
- LS lohit saikia
- AK Avneet K...
- HE Harshita...
- D Deelip
- GG Gazal Gu...
- H Haroon
- +10

ROOT CAUSE

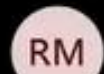


This makes, farmers suffer:

- High investment in fertilizers
- High inputs on insecticides, pesticides, weedicides etc.
- Which in turn, kills the natural pollination
- And results in low longevity of the harvested crop



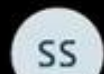
Pankaj Kumar



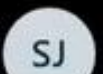
Rohini M...



Harsha K...



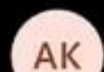
Sruthi Su...



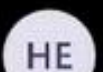
Sandeep...



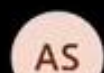
Suman B...



Avneet K...



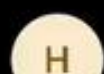
Harshita...



abhineh...



Gazal Gu...



Haroon



+11



HK

Harsha K...

AG

Anasuya ...

LS

Iohit saikia

SS

Sruthi Su...

AK

Avneet K...

P

Palak

HE

Harshita...

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Gazal Gu...

H

Haroon

AS

abhineh...

SM

Suman B...

A

Atul

Pankaj Kumar

Adheesh Saritha Rao

Rohini Mattoo

Dilip Naidu