



Vanya

Nature's own farming

Why we need Natural farming

Since the Industrial Revolution the processes of growth have been speeded up to produce the food and raw materials needed by the ever increasing population and the factory.

Nothing effective has been done to replace the loss of fertility involved in this vast increase in crop and animal production.



Vanya

Nature's own farming



"The health of soil,
plant, animal and man
is one and indivisible."

*Sir Albert Howard (1873-1947), the
father of modern organic
agriculture.*



Vanya

Nature's own farming

The consequences have been disastrous

Agriculture has become unbalanced.

The land is in revolt.

Diseases of all kind are on increase.

In many parts of world Nature is removing the worn-out soil by means of erosion.

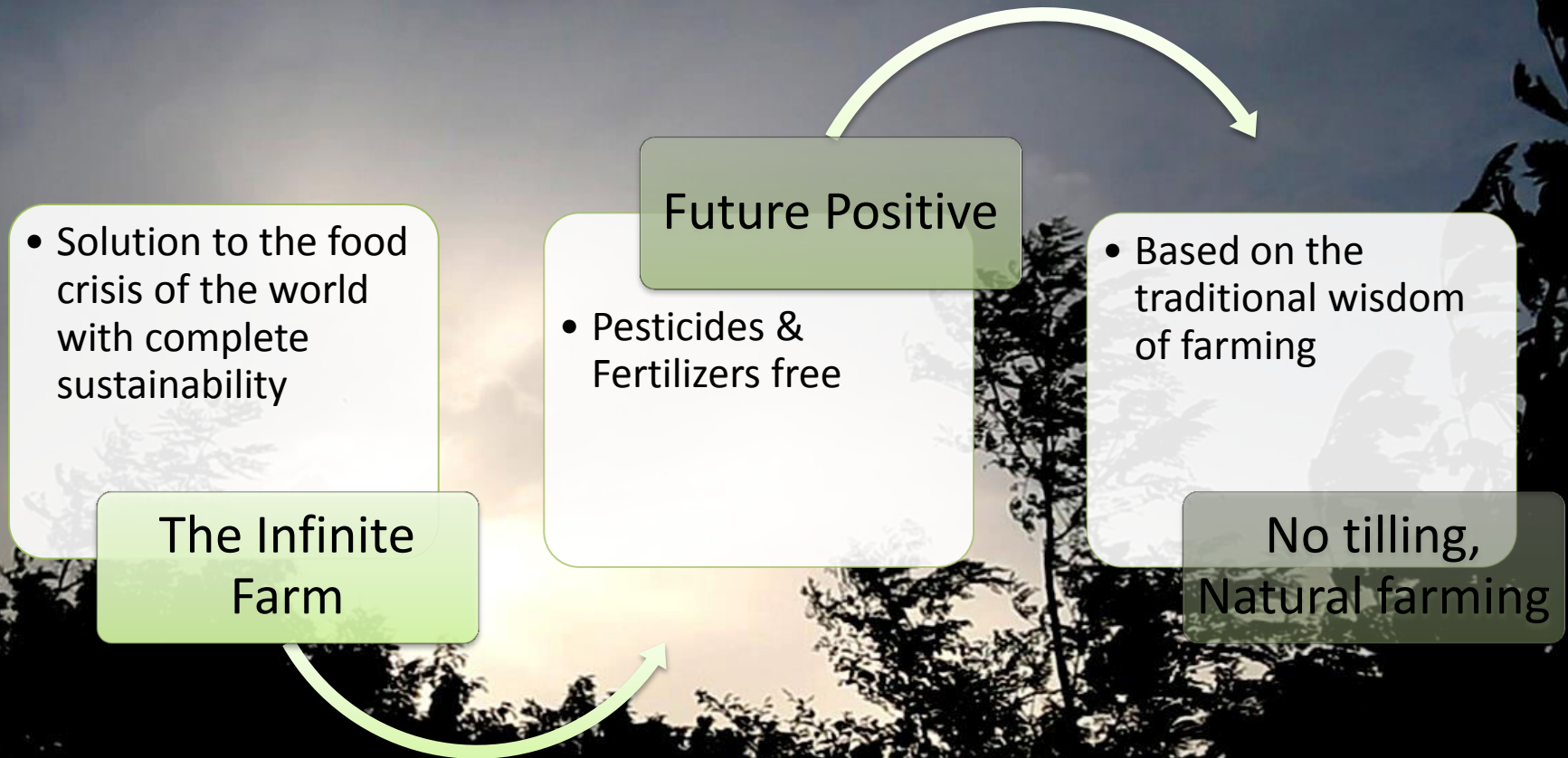


Vanya

Nature's own farming

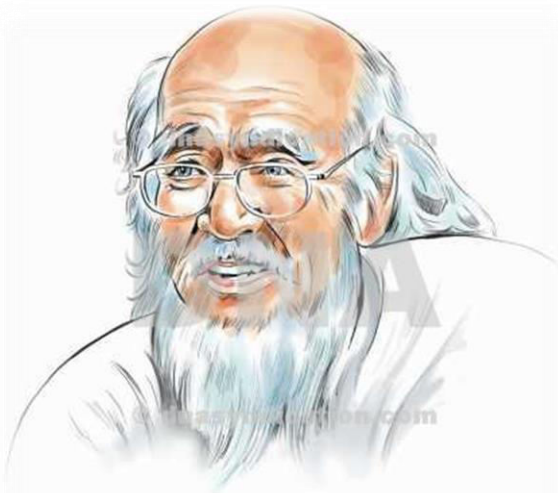
Vanya

The Infinite Farm



Vanya

Nature's own farming



"Observe nature
thoroughly rather
than labour
thoughtlessly." -
Masanobu Fukuoka 'One Straw
Revolution'



Vanya

Nature's own farming



“If nature is left to itself, fertility increases. Organic remains of plants and animals accumulate and are decomposed on the surface by bacteria and fungi. With the movement of rainwater, the nutrients are taken deep into the soil to become food for microorganisms, earthworms, and other small animals. Plant roots reach to the lower soil strata and draw the nutrients back up to the surface.”
— Masanobu Fukuoka, *The One-Straw Revolution*



Vanya

Nature's own farming

Science based on the strengths of India

Rich Soil

Abundant
Sun Light

Bountiful
Rainfall

Rich
agricultural
traditions



Vanya

Nature's own farming

The Eureka! Model

The doers manual

The magic happened due to the hard work and blessing of our parents who did the initial plantation seven years ago

Vanya means which **“Belonging to the forest”**. True to its name Vanya farms have the richness and diversity of an actual forest

Lovingly named Vanya Organic, the farms are situated in Khalghat at the banks of Narmada River in the heart of India in the state of Madhya Pradesh



Vanya

Nature's own farming

Contrary to the popular belief

- Farming with this Method is highly productive.

High Yield

- India could produce for the World
- India has the potential to be the producer of food for the rest of the world based on this method



Vanya

Nature's own farming

This techniques proves otherwise

Advantages :-

- No need for any chemical fertilizers
- No need for any pesticides
- Very low water requirement ($1/10^{\text{th}}$).
- The soil keeps getting richer every year.
- In about 3 years time one has surplus soil which can be lent to other such farms.
- Very less Man Power required

The Technique Multi-layer farming & Multi-cropping



Multi Layer & Multi Crop Farming



Vanya

Nature's own farming

Multi Layer farming

First Layer. Neem as the wind breaker

Second Layer. Moringa & Fruit trees like Lemon & Guava.

Third layer.
Vetiver & Pigeon Pea (Toor Dal)

Fourth Layer
Turmeric & Aloe Vera



Vanya

Nature's own farming

Example of a Multi Layer and Multicrop farming at Vanya

The four layers

Neem trees

Moringa & Lemon trees

Vetiver grass

Turmeric



Vanya

Nature's own farming

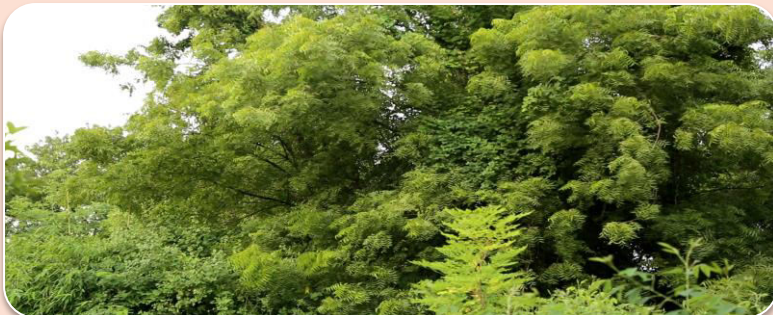
Another example of a Multi Layer and Multicrop farming at Vanya



Vanya

Nature's own farming

The Periphery (Wind Breaker)



Neem – majestic trees

- Neem trees surrounding the farm – creating a natural cover as well as a wall against extreme winds.
- 200 majestic and tall Neem trees interspersed with Babool and Su- Babool



Giloi

- Laden with Giloi – (*Tinospora cordifolia*) one of the most astonishing herbs which Charak (Father of Ayurveda) talks about in detail.
- Giloi in Tamil is known as Amrita
- Improves the Immune system - Natural protection against Malaria, Chikengunia, Dengue, Swin-flu and common cold and fever



Vanya

Nature's own farming

The Middle Layer

The Moringa trees (Drum stick)

- The leaves of the drum stick tree are small allowing the sunlight to filter through to the lower level
- The Moringa trees at Vanya Farms have grown to an excellent height of 40 feet and above due to its' very rich soil.

Beneath that, are the
citrus trees like
Mausami, Lemon and
Amla

Interspersed with
other trees like Guava
and other fruit trees



Vanya

Nature's own farming

The Third Layer

- Vetiver has a life span of 100 years
- The more its pruned the deeper the roots go bring the micro nutrients from the lower level of the soil to the upper levels adding to the richness of the soil
- Mulching of the grass with is full of protein gets converted into humus.

Vetiver
Khus grass



- At the same level we also grow *toor* plant.
- The roots of *toor* fix nitrogen
- As a practice we do not uproot the plant
- After harvesting the produce the plant regenerates itself for the next harvest.
- Along with fixing nitrogen through its roots it also provides tons of bio-mass on our farm.

Pigeon pea
(Toor Dal)



Vanya

Nature's own farming

The Fourth (Last Layer)

- This grows both in shade in our farm as well as very little sun light.
- It also acts as a natural pesticide.

The Turmeric plant



- It is also used for stomach ulcers, diabetes, asthma, and for treating some side effects of radiation treatment.
- As a remedy for skin conditions including burns

Aloe Vera



Vanya

Natural & Organic

World most astonishing species of trees



Neem

- At the periphery.
- The wonder leaf
- Neem generates heat in the body.
- By using Neem internally and externally, you can manage bacteria so that it does not overgrow



Moringa

- The future tree
- 4 times more calcium than the milk
- 7 times more Vitamin C than the Orange
- 3 times Vitamin A than the Carrot
- 4 times more phosphorus than the banana
- 18 Amino acids of which all essential Amino



Vanya

Nature's own farming

The Richest Soil

Made out of
Moringa leaves
and branches.
Su-babool and
Glarecedia

And the
Pigeon pea
(toor) bio-
mass

Along with
the
combination
of Vetiver
grass



Vanya

Nature's own farming

The Extraordinary Results

The 4 layers keeps the soil covered at all times from the harsh sun.

Keeps the moisture level of the soil intact even with rain or very less rain and harsh Sun.

The soft and rich soil multiplies the earthworms

Just imagine if we could replicate this procedure to the rest of the world what would that mean for global population.

Very little to no water needed for irrigation other than the naturally occurring rain fall.

The white ants which eat up any rotten or dry surface and turn that into rich soil.



Vanya

Nature's own farming

The extraordinary results

We have and can grow the productivity to 300% of our present levels.

This is the sustainable farming and can also be termed as infinite farming or natural farming

The labour requirement is very less.

We can achieve one of the best farming soils on earth

No need for pesticides or fertilizers

Very little to no input needed from outside after few years

Farming of the future with the wisdom of the past.

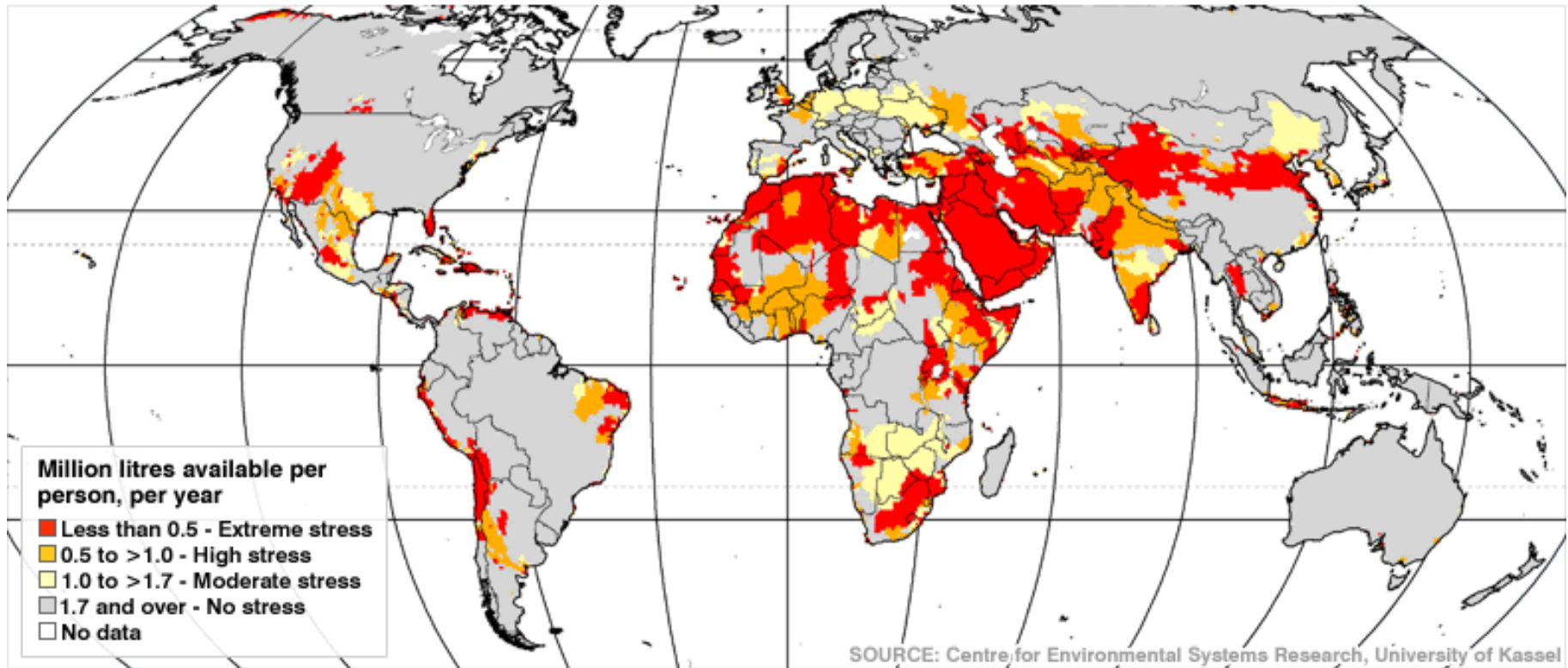


Vanya

Nature's own farming

Solution to water scarcity for Agriculture

2050s



The reduction in rainfall due to climate change, and the ever increasing population, are projected to cause tremendous water scarcity in Asia and Africa in the next 20-50 years, which will slow down development and increase poverty and armed conflict.



Vanya

Nature's own farming

No Water for Irrigation

At the heart of both natural farming and permaculture is the efficient use of local resources including rainfall.

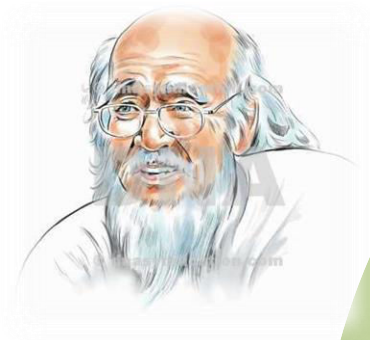
In future we will need no water for irrigation other than the naturally occurring rainfall.

We at Vanya farms have gone a step further and have made farms which use 1/10th water and still produce extremely high yields.



Vanya

Nature's own farming



“If nature is left to itself, fertility increases. Organic remains of plants and animals accumulate and are decomposed on the surface by bacteria and fungi. With the movement of rainwater, the nutrients are taken deep into the soil to become food for microorganisms, earthworms, and other small animals. Plant roots reach to the lower soil strata and draw the nutrients back up to the surface.”

- — Masanobu Fukuoka, The One-Straw Revolution



Vanya

Nature's own farming



Vanya

Nature's own farming

For more information please visit www.vanyaorganic.com