

4. Natural farming is the best way to protect the ecosystems & attain nutritional security in the country. Discuss

After second wave of COVID, the demand for safe, nutritious food to boost immunity has increased. There is also popular belief that food prepared in natural way was more than nutritious than agrochemical based, with fertiliser subsidy burdening fiscal, there are innovative farming methods like regenerative farming, organic etc; commonly - Natural farming gaining importance, to protect nutritional security.

Case studies - Natural farming

1. Satish Gadde, in East Godavari district, -
practised cattle based natural farming in 30 acre land, ~~Buffalo~~ To increase soil fertility, buffalo is pegged in ^{farm} land, so that dung, urine will act as natural fertilizers are used. Also the rainwater are also easily absorbed, because of earthworms microbial activity. Reason for this is soil fertility.
Input he made is ₹ 7L and income taken was ₹ 30L.

2. Narayana Reddy of Chittoor district, Chittoor,
planted 1500 species of plants, shrubs, trees, poultry &
cattle which are inter dependent with each other.
These people also th share ^{their} experiences in Nature based
farming

Implication

1. Region specific natural farming can be a best option.

But India attained food security based on scientific approach; relying on unscientific hypothesis may be detrimental.

How natural farming can be best option?

Natural farming can be started in hilly & rainfed areas. India's total geographical area - 329 mn. acre. of this 140 mn are ~~are~~ Net sown. of this 70 mn are rainfed.

Potential of Rain fed area - 90% of millets, 80% of pulses & oilseeds, 40% of population.

Hence, Natural farming can be best option to protect ecosystem and as nutritional security.