

Q. What do you know about bio-fortified crops?
What role do they play in addressing malnutrition in India? (150W)

* Bio-Fortified crops have enhanced NUTRITIOUS Content through Scientific means.

Ex:- Golden Rice, ~~Atlas~~ Atlas 66 (Wheat)

Advantages → Solves Hunger Problem
→ Addresses Nutrition deficiency.

* Malnutrition is the lack of nutrition in the body.

- National Family Health Survey (NFHS) in India

✓ Shows → 36% Children under 5 experience Stunted Growth.

→ 19% children affected by Malnutrition.

→ 32% of them were underweight

- Though this 19% looks meagre, it is a prominent aspect which affects child's height and weight. This issue can be solved through Bio-fortified crops.

How?

- Bio-fortified crops are rich in vital nutrients
 - ✓ Like Iron, Zinc, Vitamin E.
- It can be served regularly through -
 - ✓ Mid-^Day Meal Scheme. (MDMS)
 - ✓ The Health and Nutritional Status of School-age (HANSA) Children & Farming Families Programme.
 - ✓ Public Distribution Systems (PDS) ... etc.
- They were Indigenous to India
 - ✓ Millets, Zinc rice, Red lentils were few example.
- Superior - Nutritional intake will reap faster results.

CONCLUSION :-

⇒ Malnutrition is a basic problem. Our Government should rectify it using improved Bio-crops and thereby accessing Food-Security.