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## Agriculture (GS-III)

1) The Green revolution has done more bad than good to both the environment and to the farmers. Comment. (250 words).

To achieve food security

In India, GOI announced the scheme called "Green Revolution" in 1960. This project was the idea of the great scientist & agriculturist Dr. M.S. Swaminathan.

Green Revolution!

\* In 1960s, India was importing the basic food requirement from US.

\* The govt expenditure was outflowed substantially for the food imports.

\* In 1960, the Green Revolution was announced to tackle this issue.

\* By using high yielding variety seeds and technology in farming, the amount of yield could be increased.

\* This was the major aim of Green Revolution.

\* Eventually, it succeeded. Now, India is the major exporter of Rice & other food items.

\* India is exporting 46% of world food requirement.

\* But, due to the excessive usage of fertilizer & pesticides, this system significantly affects the farmers.

Bad to the Environment:

\* High usage of fertilizers leads to soil infertility.

\* Many pesticides affect the soil micro-organisms.

\* HYV seeds absorb more water. It leads to groundwater deficiency.

\* The yield from these seeds lead to the deterioration of health in humans too.

## Bad to Farmers:

- \* HYV seeds are highly expensive
- \* only the High & rich farmers can afford it.
- \* Increases the cost of production
- \* Increases the indebtedness of farmers.
- \* Lead to increase in the number of suicides of farmers.
- \* This system only applicable for commercial crops. rather not applicable for nutritious crops.

## Way Forward:

- \* Organic Farming is the need of the hour.
- \* Use of highly Equipped Technology in organic farming rather than Artificial Farming.
- \* Govt should reduce the cost of HYV seeds initially.
- \* And Govt should incentivise the seeding of organic crops. It should provide loan to organic farming