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Sub. Biology

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1. What is genetic manipulation? How is it useful in agricultural practices?

Genetic manipulation is process in which the transfer of genes takes place from one organism to another. Here gene of a particular character is introduced inside the chromosome cell and hence results in a transgenic plant.

Example: BT Cotton is a genetically modified crop which carry bacterial genes, that protects this plant from insects. These are used in plants like brinjal, cabbage, rice, cauliflower, and maize crops to get protection from insects.

2. How do storage grain losses occur?

Storage grain losses occur due to various abiotic and biotic factors. Abiotic factors:

- Humidity
- Air
- Temperature
- Flood
- Wind

Biotic factors

- Insects
- Rodent's pesticides
- Bacteria
- Mites
- Birds

3. How do good animal husbandry practices benefit farmers?

Good practice of animal husbandry benefits farmers by following ways:

- Yields in good quality cattle
- Better quality of milk production
- Use in agriculture for carting, irrigation and tilling

4. What are the benefits of cattle farming?

Benefits of cattle farming are:

- Cattles are used in agricultural purpose
- Generation of good quality cattle
- Milking and meat purpose
- Skin of cattle is used for leather and wool industry

5. For increasing production, what is common in poultry, fisheries and bee-keeping?

For increasing the production, cross breeding techniques are used adopted in poultry, fisheries and bee-keeping. Along with these technique regular and proper maintenance methods are useful in improving the production.