





Grade 8

AGRICULTURE

1. State the Importance of Off-season Cropping in Agriculture.

* It leads to growing of high value short season crops.
* There is proper use of land and labour in both dry and rainy seasons.
* Farmers get high profits from producing crops during the time when the supply is low.
* There is continuous supply of food.

1. Identify the following agricultural technologies

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* Wick irrigated garden



* ***Innovated drip irrigation***.



* ***Container gardening.***

1. Define the following terms

**Succession planting** *this is where a new crop is placed immediately after harvesting the first crop to maintain consistent supply of produce.*

**Staggered planting** *this is making several plantings at certain intervals so as to space the harvesting.*

**Timed planting** *this means planting is done in such a way that the crop matures when it is required.*

1. State the factors that help to increase food security in the country.
   * Using crops adapted to different agro-climatic conditions.
   * Using improved crop varieties which mature faster.
   * Adjusting planting time.
   * Use of green houses to modify climate.
   * Use of innovative drip irrigation.
2. State the Importance of off season cropping techniques for food security

* *Increase in food supply by producing crops in both rainy and dry season.*
* *High value and fat growing crops are produced such as vegetable and fruits which fetch high prices.*
* *Consumers get fresh produce with high nutrition throughout the year.*
* *Commercial production is adapted leading to increased exports of fresh produce from one country to another.*

1. **Name two qualities of the** Materials used in the Construction of the Framed Suspended Gardens

* *Cheap.*
* *Easily available.*
* *Long lasting.*
* *Easy to work with.*

1. Name two Materials for the Construction of the Framed Suspended Gardens

* Available timber.
* Left over wires.
* Nails.
* Metal bars.
* Wooden planks.
* Poles.

1. Identify the Procedure for constructing wooden boxes.

* Cut the pieces of wood for the for the frames of the boxes.
* Join the wood pieces with nails or screws at the four corners to make the frames.
* Fix a wire mesh at the bottom of the frame and hold with staples.
* Fix a plywood piece to hold back the wire mesh from outside and secure with nails.
* The box is ready for use. Its depth depends on the crop to be planted.

1. ***Give Examples of value addition in crop produce***

* Fresh mango fruits to Dried mango pulp.
* Groundnuts in pods to parked roasted groundnuts.
* Raw potatoes tuber to Fried and packed potato crisps,
* Raw cassava root tuber to Dried and milled cassava flour.

1. Name the value added product in the following crop produce

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| **Crop produce** | **Value added product.** |
| * Potatoes | * crisps, flakes, canned potatoes |
| * Mangoes. | * Juice, sliced dried and packed mangoes. |
| * Vegetables | * Dries and packed vegetables. |
| * Cassava | * Flour, chips and crisps. |
| * Groundnuts | * Packed roasted beans. * pressed groundnuts cake |
| * Sim sim | * simsim balls, and oil |
| * Sweet potatoes | * Crisps, flor |
| * pumpkins | * Flour and juice. |

1. **State the Importance of Value Addition in Crop Produce**

* Increase the storage life of produce.
* Improve the selling price of produce for the farmer.
* Reduces the loss of produce after harvesting.
* It makes the produce attractive to the customers and therefore increases the demand of the produce.
* It makes the crop produce available in the market for a longer time and hence promotes food security.
* It makes it possible to store produce in small space.
* It makes transportation of produce easier and less costly.