

SUBJECT: AGRICULTURAL SCIENCE

TOPIC: PACKAGING IN AGRICULTURE

CLASS: JSS 3

WEEK: 2

PACKAGING IN AGRICULTURE

MEANING OF PACKAGING

Packaging is the technology of enclosing or protecting products in order to distribute, store, sell or use them.

PACKAGING MATERIALS IN THE ANCIENT AND MODERN ERA

ANCIENT ERA

- a. basket
- b. wine skins
- c. wooden boxes
- d. pottery vases
- e. Ceramics, wooden barrels, woven bags etc.

MODERN ERA

- a. tinning
- b. canning
- c. paper-based packaging
- d. foil, cellophane
- e. Bottling etc.

IMPORTANCE OF PACKAGING

1. **PHYSICAL PROTECTION:** Products require protection from temperature, electronic discharge, compression, vibration etc.
2. **INFORMATION TRANSMISSION:** Labels on packaged products tell about the product. The information on the label is required by the government for tracking and tracing purposes. Information on packaged products includes serial number expiry dates or best before dates etc.
3. **SECURITY:** packaging is important as it reduces the security risk of shipment.
4. **MARKETING:** Packaging and labels encourage potential buyers to purchase the product.
5. **PORTION CONTROL:** with the help of packaging, products are shared into different proportional /size.
6. **ANTI-COUNTERFEITING:** Packaging reduces the risk of theft or resale of products.

TYPES OF PACKAGING

Packaging could be categorized into primary, secondary and tertiary packaging.

- A. PRIMARY PACKAGING: this is the material that first envelopes the product and holds it. it is package that is in direct contact with the contents.
- B. SECONDARY PACKAGING: This is outside packaging which enclosed the primary packaging.
- C. TERTIARY PACKAGING: This is used for bulk handling .warehouse Storage, transport and shipping

#### PURPOSE OF PACKAGING

- 1. To protect the product from being damaged when they are transported from the farm to the stores and markets.
- 2. To protect farm products from damage as a result of bad weather, heat and rain.
- 3. Packaging makes agricultural products easier to handle store and more attractive in shops.
- 4. To protect farm products from contamination and damage by pests diseases organisms.
- 5. To prevent products from losing their value.

#### ASSIGNMENT

- 1. What is packaging?
- 2. List three purpose of packaging.
- 3. List five items that a basket can be used to package