

## Topic: Agro-based Industries and Raw Materials

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### Lesson Objectives:

By the end of this lesson, students should be able to:

- Define **agro-based industries**
  - List **raw materials used in different industries** (paper, beverage, textile, soap)
  - Understand the **relationship between agriculture and industry**
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### 1. Meaning of Agro-based Industries

#### Definition:

**Agro-based industries** are industries that use **raw materials obtained directly from agriculture** (plants, animals, or forests) to produce **finished goods or semi-processed products**.

These industries depend on farming activities for their **main inputs**.

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#### Examples of Agro-based Industries:

Industry Type	Product Examples
Food Processing	Canned fruits, vegetable oil, dairy products
Textile Industry	Clothes, fabrics
Beverage Industry	Juices, tea, coffee, soft drinks
Paper Industry	Paper, cardboard
Soap Industry	Soap bars, detergents
Leather Industry	Shoes, belts, bags

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### 2. Raw Materials for Specific Industries

Industry	Raw Materials	Examples
<b>Paper Industry</b>	Wood pulp, bamboo, cotton waste	Timber from trees (e.g., Gmelina, Eucalyptus)
<b>Beverage Industry</b>	Cocoa, coffee, tea, fruits (e.g., orange, pineapple)	Milo, Bournvita, fruit juices
<b>Textile Industry</b>	Cotton, wool, silk, dyes from plants	Ankara fabric, cotton shirts
<b>Soap Industry</b>	Palm oil, coconut oil, animal fats, caustic soda	Lux, Dettol, Omo detergent

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### 3. Agriculture-Industry Relationship

#### How Agriculture Supports Industry:

- Provides **raw materials** for production (e.g., cotton for clothes, oil palm for soap)
  - Supplies **food for workers** in the industry
  - Creates **employment opportunities** in both farming and factories
  - Stimulates **trade and export**, bringing in foreign exchange
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#### How Industry Supports Agriculture:

- Produces **machines, fertilizers, and chemicals** used in farming
  - Builds **processing factories** to reduce wastage of farm produce
  - Helps in **storage and packaging** of agricultural goods
  - Provides **markets for farm products**, encouraging farmers to produce more
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### 4. Importance of Agro-based Industries

- Promotes **national development**
- Reduces **post-harvest losses**
- Increases **income for farmers and factory workers**

- Enhances **industrialization**
  - Reduces **unemployment**
  - Encourages **export and foreign earnings**
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## 5. Challenges of Agro-based Industries

- **Inadequate supply of raw materials** due to poor farming output
  - **Seasonal farming** affects availability of crops
  - **Lack of modern technology** for processing
  - **Poor infrastructure** (bad roads, power supply)
  - **Importation of raw materials** reduces local production incentives
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## 6. Examples of Agro-based Industries in Nigeria

Industry	Location
Dangote Sugar Refinery	Lagos
Nestlé Nigeria Plc	Ogun State
Nigeria Breweries Plc	Lagos and other states
United Nigerian Textiles	Kaduna
Okomu Oil Palm Plc	Edo State
Cocoa Processing Industry	Ondo State

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## 7. Summary of Key Points

Concept	Meaning/Example
Agro-based Industry	Uses farm products as raw materials
Paper Raw Materials	Timber, bamboo

Concept	Meaning/Example
Beverage Raw Materials	Cocoa, coffee, fruits
Textile Raw Materials	Cotton, wool
Soap Raw Materials	Palm oil, animal fat