

CHAPTER 8

Agro-Allied Industries and the Relationship between Agriculture and Industry

OBJECTIVES

At the end of this chapter, students should be able to:

- â define and list agro-based industries.
- â state raw materials used in each agro-based industry.
- â state the relationship between agriculture and industry.

8.1 Introduction

Agro-based (agro-allied) industries are the industries that make use of agricultural produce or products as raw material to make other finished products. It also refers to the produce that the farmers use as inputs on the farm.

These industries help to provide market for agricultural products, provide employment opportunities, generate income for the government and enhance rural development. These industries help to make Nigeria self dependent on some agro-chemical and tools.

8.2 Agro-based Industries and Their Raw Materials

The following industries make use of agricultural produce or products as raw materials.

Some of the industries that produce farm inputs are:

- (i)** Fertilizer industry, e.g., NAFCON
- (ii)** Agro-chemical industries
- (iii)** Machine/tools industries

TABLE 8.1 Agro-based industries and their raw materials

Agro-Based Industries	Raw Materials Used
1 Textile industry	Cotton, wool, fur
2 Oil mill	Oil (from oil seeds)
3 Beverage industry	Cocoa, coffee, tea
4 Paper mill/industry	Pulp wood
5 Cigarette/tobacco industry	Tobacco leaves
6 Soap industry	Oil (from oil seeds)
7 Fruit canning industry	Fruits (orange, apple, pineapple, strawberry)
8 Tyre and tube industry	Latex (from rubber tree)
9 Sugar industry	Sugarcane
10 Livestock feed mill	Grains (maize, groundnut, soyabean, etc.)
11 Plastic industries	Latex (from rubber tree)
12 Confectioneries	Cocoa, butter, etc.
13 Flour Mills	Maize, wheat, etc.
14 Pharmaceutical industries	Neem, eucalyptus, cotton, insulin from pigs
15 Ginnery	Cotton
16 Foam industry	Latex (from rubber tree)
17 Breweries	Maize, wheat, rice, millet, guinea-corn
18 Leather industry or Tannery	Hides and skins
19 Plywood industry	Timber wood
20 Meat/fish canning Industry	Meat, fish
21 Perfume industry	Oil (from oil seeds)
22 Sack, rope, mat and bag industries	Jute, sisal, kenaf, kapok
23 Milk industry	Raw milk from cattle
24 Sawmill	Timber (logs)
24 Match industry	Soft wood or pulp

Relationship between Agriculture and Industry

**FIGURE 8.1** Agricultural products

(iv) Vaccine industries

(v) Drug-making industries

(vi) Fabrication workshops

8.3 Relationship between Agriculture and Industries

The relationship between agriculture and industry is mutually beneficial.

This relationship

is discussed as follows:

1. Agriculture is the major source of raw materials for agro-based industries, while agro-based industries provide ready market for agricultural products such as cocoa, cotton, hides and skin, latex, palm produce,

milk, etc.

2. Agriculture provides market for industrial products such as agro-chemicals, vaccines, drugs, fertilizers and farm machinery. Industries, on the other hand, supply agricultural inputs.



FIGURE 8.2 Some farm inputs

3. Agro-based industries help to provide storage and processing facilities for agricultural sector to prevent food wastage such as silos, grinders and shellers.

4. Development of industry is facilitated by the presence of raw materials in an area. This transforms rural communities will be transformed in terms of social amenities.

5. Industries also create employment opportunities for the farmer's children, while the farming community also supplies labour to the industries.

6. Agriculture provides food for industrial workers and these workers also provide ready market for food products.

7. Industries provide other goods and services such as telephone, radio and television that make life bearable in the rural areas for the farmers.

8. Due to industrial development agriculture is now made easy through fabrication of energy- saving tools and machinery provided by the industries.

Activity 1: Visit two or three agro-based industries in your area, and list the different agricultural produce they use in making their finished products.

Activity 2: Display some industrial products in a discussion class and list all the products and the raw materials used to produce them.

Summary

- ◆ Agricultural produce serves different purposes such as food and as raw materials for agro-allied industries, which are processed and converted to new and useful products.
- ◆ Some agro-allied industries also supply inputs to the farmers in the form of fertilizer, agro-chemicals, tools and machines and fabrication industries or workshops, etc.
- ◆ The relationship between industries and agriculture is mutually beneficial because:
 - (i) Agriculture supplies raw materials to industries, while the industries provide market for agricultural products.
 - (ii) Agriculture provides market for industrial goods.
 - (iii) Industrial development leads to rural development and enhances agricultural development.

Revision Question

Essay Questions

1. List ten agro-based industries and their raw materials.
2. State five relationships between agriculture and industries in terms of agricultural raw materials and industrial products.

Objective Questions

1. Which of the following is not an agroallied industry?
 - (a) Textile mill
 - (b) Feed mill
 - (c) Paper mill
 - (d) Wire and Cable
2. All the following make use of maize as raw material in their industries except
 - (a) ginnery.
 - (b) breweries.
 - (c) feed mills.
 - (d) flour mills.
3. The agricultural raw material used in a tannery is
 - (a) timber wood.
 - (b) hides and skins.
 - (c) tobacco leaves.
 - (d) cocoa beans.
4. Jute, Sisal, Kenaf and Kapok are used for making
 - (a) soap.
 - (b) paper.
 - (c) sack.
 - (d) foam.
5. Which of the following agro-allied industries supply inputs to agriculture?
 - (a) Sugar industry.
 - (b) Beverage industry.
 - (c) Confectioneries.
 - (d) Fertilizer industry.

Answers to Objective Questions

1. (d)
2. (a)
3. (b)
4. (c)
5. (d)