

AGRICULTURE



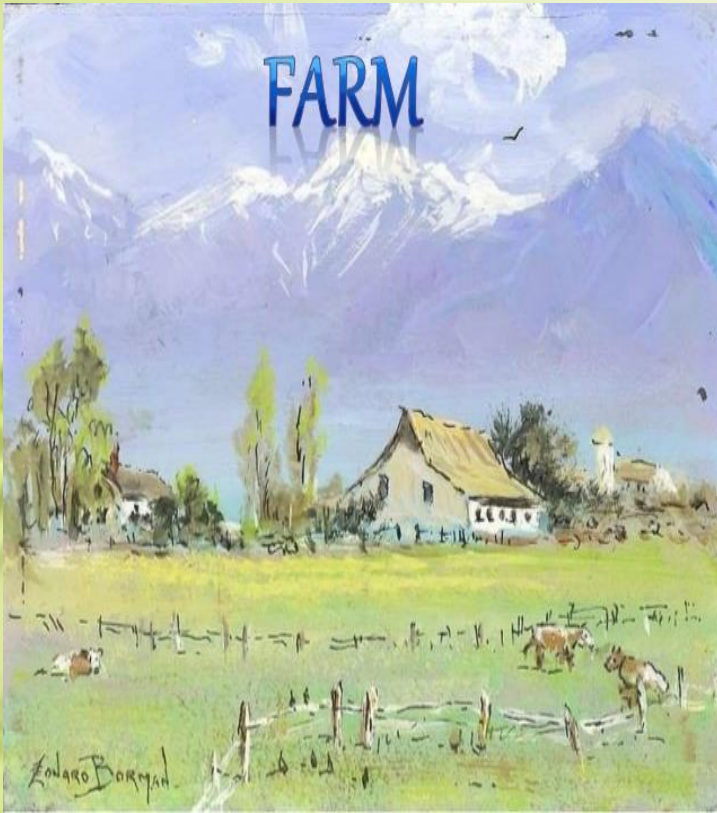
WHAT IS AGRICULTURE



The science and art of cultivation on the soil, raising crops and rearing livestock.



FARM SYSTEM



Some important inputs like seeds are processed by various methods such as ploughing and then gives outputs like crops.



TYPES OF FARMING

There are two types of farming:

1. Subsistence Farming
2. Commercial Farming



SUBSISTENCE FARMING



A type of farming in which most of the produce is consumed by the farmer and his family, leaving little or nothing to be marketed.



SHIFTING CULTIVATION



Shifting cultivation is an agricultural system in which a person uses a piece of land, only to abandon or alter the initial use for a short period of time.



Nomadic herding



Nomadic herding is when people travel from place to place with herds of animals. This could be because of climate issues or lack of food. Some nomads stay in one place if the ground is good for growing crops.



Commercial Farming



Agriculture that involves the production of crops and animal rearing for sale in market. It includes three types of farming.



COMMERCIAL GRAIN FARMING



In Commercial grain farming crops are grown for commercial purpose.



MIXED FARMING



In Mixed Farming the land is used for growing food and fodder crops and rearing live stocks.



PLANTATION AGRICULTURE



Often occurring in less developed countries, plantation agriculture involves the cultivation of one crop to be sold in more developed countries.



MAJOR CROPS FOR CULTIVATION

A large variety of crops are grown to meet the requirement of the growing population.



WHEAT



Moderate temperature and rainfall during growing season and bright sunshine at the time of harvest.

- It thrives best in well drained loamy soil.
- Wheat is grown extensively USA, Canada, Russia and India. In India it is grown in winter.



RICE



- Rice is the major food crop of the world.
- It needs high temperature, high humidity and rainfall.
- It grows best in alluvial clayey soil, which can retain water.
- China leads in production of rice followed by India, Japan, Sri Lanka and Egypt.



Millets



- They are also known as coarse grains and can be grown on less fertile and sandy soils.
- It is a hardy crops that needs low rainfall and high to moderate temperate and adequate rainfall.
- Jowar, bajra and ragi are grown in India.



COTTON



- Cotton requires high temperature, light rainfall two hundred and ten frost – free days and bright sunshine for its growth
- It grows best on black and alluvial soils
- China, USA, India, Brazil, Pakistan and Egypt are the leading producers of cotton.



Tea



- Tea is a beverage crop grown on plantation.
- This requires cool climate and well distributed high rainfall throughout the year for the growth of tender leaves. It needs well drained loamy soils and gentle slopes.



Coffee



- Coffee requires warm and wet climate and well – drained loamy soil.
- Hill slopes are more suitable for growth of this crop.
- Brazil is the leading producer followed by India and Columbia.



AGRICULTURE DEVELOPMENT

Agriculture can develop in many ways such as

- Increasing the cropped areas, the number of crops grown,
- Improving irrigation facilities ,
- Use of fertile and high yielding variety of seeds.

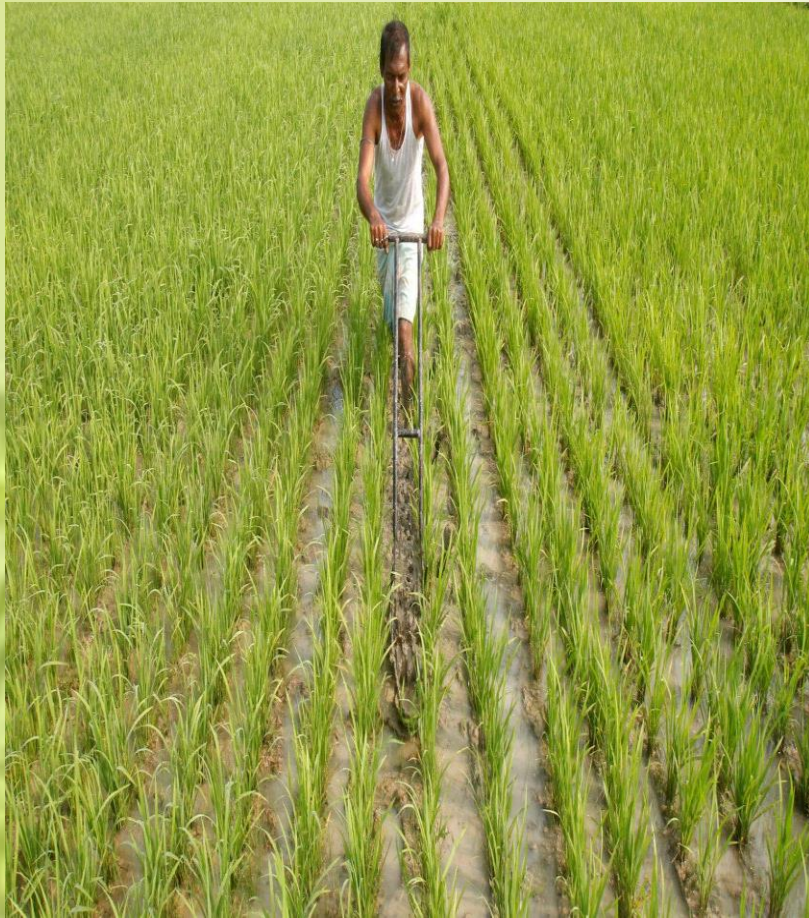


AGRICULTURE DEVELOPMENT

- Mechanisation of agriculture is also another aspect of agricultural development.
- The ultimate aim of agriculture development is to increase food security.



A FARM IN INDIA



- Large areas have been brought under irrigation
- Use of fertilizers and pesticides has been increased.



A FARM IN INDIA

- High yielding variety of seeds.
- Depends only on monsoon.
- Animals play a significant role in various agricultural activities.
- Storage facilities are not provided.



A FARM IN USA

- The farmer in the USA works like a businessman and not like a peasant. The average size of a farm is much larger.
- A typical farm size in USA is about 250 hectares.
- Adequate measures are taken to control pests that can damage the crop.



A FARM IN USA



- Soils sample tested in a laboratory to check whether the nutrients are sufficient or not.
- Their computer is linked to the satellite which gives them a precise picture of their field.
- This helps them to use chemical fertilizers and pesticides.



A FARM IN USA



- They use modern implements to perform various agricultural operations.
- Storage facilities are provided.



THANK YOU

