

## Improvement of food resources

i) food vops include wheat, vice, maîze, pulse, regetable, spices and fourts.

(ii) Commercial vrops include cotton, jute, flan, hemp, etc.

(iii) On the basis of reasonal nariation, crops are ale line types -: Rabi ocops and Kharif vrops.

(iv) Rabi orops ar winter season orops are planted in November and harvested in April. Such orops are wheat, barley, gram, pea and mustard.

(V) Kharif crops ar summer season crops are planted in June and harvested in October. Such crops are maize, groundout, soyabean, catton, Jule, etc.

(Vi) Irrigation is the alternative source of water, other than rainwater and utilised to supply required and timely water to crops for optimum productivity.

(Vii) Agronomy deals with reasing and management of veop plants Harticulture deals with the study of fulls and flowering plants, their growth and development.



## 2. Manure and fertilizers

(i) Manure and fertilizers are the main sources of nutrients supply to crops.

(ii) The organic matter prepared by the decomposition of animal encreta and plant maste that supplies unall quantities of nutrients to the soil, is called manure.

fertilizers are commercially produced plant nutrients that supply nitrogen, phosphorus and palassium to soil to maintain its justility furtilizers give short term benefits while manure give long term benefits.

(iv) Organic favering is a favering system with minimum arno use of chemicals as fertilisers, herbicides, festi-cides etc., and with a manimum imput of organic manures, recycled form waster and bio-agent, with healthy cropping system.

(v) Thirteen nutrients are essential for crops. Of these, sin are required in large quantities and are known as macronutrients whereas seven nutrients are required in small quantities and are known as micronutrients.

3. Animal Husbandary .

(3) The scientific management of animal linestock is called animal husbandary It includes peroper care and management of farm animals such as shelter, feeding, breeding and disease control.



- (ii) Cattle farming includes rearing and breeding of cours and and buffaloes for obtaining milk, meat and leather.
- production includes egg production and orbiter production for poultry meat.
- (iv) lisciculture deals with the production of fishes. Blue revolution is related to the enhanced production of fish, shellfish, prawns, crabs and shrings.

4. Apiculture

The practice of rearing, caring, and management of honeybee for obtaining honey land bee wan is called apiculture.

5. Hybridisation and emasculation:

Es flyboildisation refers to crossing between genetically dissimilar plants.

(ii) In a bisexual flower, the stamens are removed before they dehiscence ar open. It is called emasculation.