

Ss2wk82nd term lesson note

Topic: Micro Elements

Definition: Micro elements are nutrients needed by plants in a small quantities..

Some Examples of micro nutrients.

- 1) Magnese
- 2) Copper
- 3) Zinc
- 4) Boron
- 5) Molybdenum
- 6) Iodine etc.

Functions and deficiency of micro elements.

- 1) Magnese
Function: it's a constituent of enzymes responsible for protein synthesis.
Deficiency: a) greenish colour of the leaves b) yellow discolouration between vein.
- 2) Copper
Function: a) it's responsible for photosynthesis b) it's a constituent of certain enzymes.
Deficiency: a) pale green colour of the leaves b) The tip of older leaves dries and dies.
- 3) Zinc
Function: it involves in the a tion of certain enzymes.
Deficiency: production of small leaves.
- 4) Boron
Functions: a) it helps in the development of roots b) it assists in the formation of fruits and seeds c) it increases yield d) it facilitates nodulation in legume plants.
Deficiency: a) it can cause death of tip of plants root b) failure of flower buds to develop iii) it causes breaking or lodging.
- 5) Molybdenum
Functions: a) it aids nitrogen fixation b) it helps in nitrogen change.
Deficiency: a) it promotes metabolism of nutrients into amino acid protein b) it leads to curling and breaking of leaves edges.

Factors influencing nutrients availability in the soil.

- 1) Leaching
- 2) Soil pH
- 3) Crop removal..
- 4) Erosion.
- 5) Bush burning etc.