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Centre for Smart Agriculture

Production Technology of cut and loose flower



Module 2 : Cultural practices followed in cut and loose flower

Session 10: Fertilizer application methods



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- Fertilizer is any material of natural or synthetic origin (other than liming material) that is applied to soil or to plant tissues to supply one or more plant nutrients essential to the growth of plants.

- Application of one or more nutrients to plants is known as fertilizer application.



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Types of fertilizers:

- Simple / straight fertilizer
- Complex or compound fertilizer
- Mixed fertilizer
- Complete fertilizer
- Incomplete fertilizer
- Low analysis fertilizer
- High analysis fertilizer



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Application methods for solid fertilizer:

- **Broadcasting:** It refers to spreading fertilizers uniformly all over the field.





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- **Top dressing:** It is the broadcasting of fertilizers particularly nitrogenous fertilizers in closely sown crops like paddy and wheat, with the objective of supplying nitrogen in readily available form to growing plants.





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▪ **Placement:** It refers to the placement of fertilizers in soil at a specific place with or without reference to the position of the seed.

a) **Plough sole placement**

b) **Deep placement**

c) **Localized placement**



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Application methods for liquid fertilizers

- a) Starter solutions
- b) Foliar application
- c) Application through irrigation water
(Fertigation)
- d) Injection into soil



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Drip irrigation



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Thank you.....