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# Center for Smart Agriculture

## High value Cut flowers



**Module 3: Dendrobium Orchid Cultivation**  
**Session 4: Planting and Establishment**



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## Site of Planting

- Dendrobiums are usually planted in
  - Plastic pots
  - Polythene bags
  - Earthen pots



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## Why not Bed Culture???

- Likelihood to disease spreading from plant to plant
- Difficult to control
- Difficult to remove infected plants from bed culture



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# Planting Distance

- Planting distance depends on
  - Spacing of bed
  - Length and width of the structure
  - Size of the bags
  - Life span of the plant
  - Plant density



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# Plant Density

- Generally 50-60 thousand plants/ha are being accommodated



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# Potting

- Dendrobium plants should be planted in the corner that is at one side of the pot
- The older portion of the plant should be as close to one edge of the pot
- The base of the plant or the rhizome should be just a little higher than the potting media so that leaves do not touch the media
- The top of the roots are just a little bit exposed



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# Repotting

- Repotting is done after 2-3 years if the plants have over grown the pots
- The old roots and leaves can be pruned.
- Plants can be divided with a minimum of 3-4 shoots and a sprouted bud
- For 3 to 4 weeks the newly repotted plants must be placed in less light
- The lower light levels will reduce the stress caused by the repotting shock



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**THANK YOU**