



Centurion
UNIVERSITY
*Shaping Lives...
Empowering Communities...*

Domain

Smart Agriculture

Course

Management of high-value cut-flowers

Project topic

Planting of Dutchrose seedlings



Centurion
UNIVERSITY

*Shaping Lives...
Empowering Communities...*

Planting of seedlings

For planting of Dutch rose, 5-6 weeks old seedlings are selected. The seedlings must be healthy, free from diseases and with well root development.

Two rows are planted on one bed and planting geometry is maintained like:

Row to row distance: 30 cm

Plant to plant: 17 cm

Seedlings can be planted in zigzag manner.

In 1000 square metre area 7000 to 7500 plants can be accommodated. After plantation humidity at 80% is maintained for 4 -6 weeks to avoid desiccation of plants. When plants will be established, 65-70 % humidity should be maintained.





Centurion
UNIVERSITY

*Shaping Lives...
Empowering Communities...*

Potting

- Dendrobiums can be planted in plastic pots, polythene bags and earthen pots. Large holes to the sides are made to ensure drainage and aeration.
- Dendrobium plants should be planted in the corner of the pot to ensure better growth by providing space for producing new canes.
- 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 and the top of the roots are just a little bit exposed.





Centurion
UNIVERSITY

*Shaping Lives...
Empowering Communities...*

Repotting and care

- Repotting is done after 2-3 years if the plants have over grown. The old roots and leaves can be pruned. Plants can be divided with a minimum of 3-4 shoots and a sprouted bud.
- Repotting should be done after the flowering period.
- Repotting is done using a fresh media. Repotting is a shock to plants.
- Repotted plants should be watered frequently.

