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*Shaping Lives...
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Center for Smart Agriculture

Hi Tech Fruit Culture



Module 1: Nursery Management
Session 4: Nursery Management in Pineapple



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- **Nursery management in Papaya**
- **Propagation**
- Pineapple is easily propagated by vegetative methods.
- It can be propagated by

Shoot suckers

Ground suckers

Slips

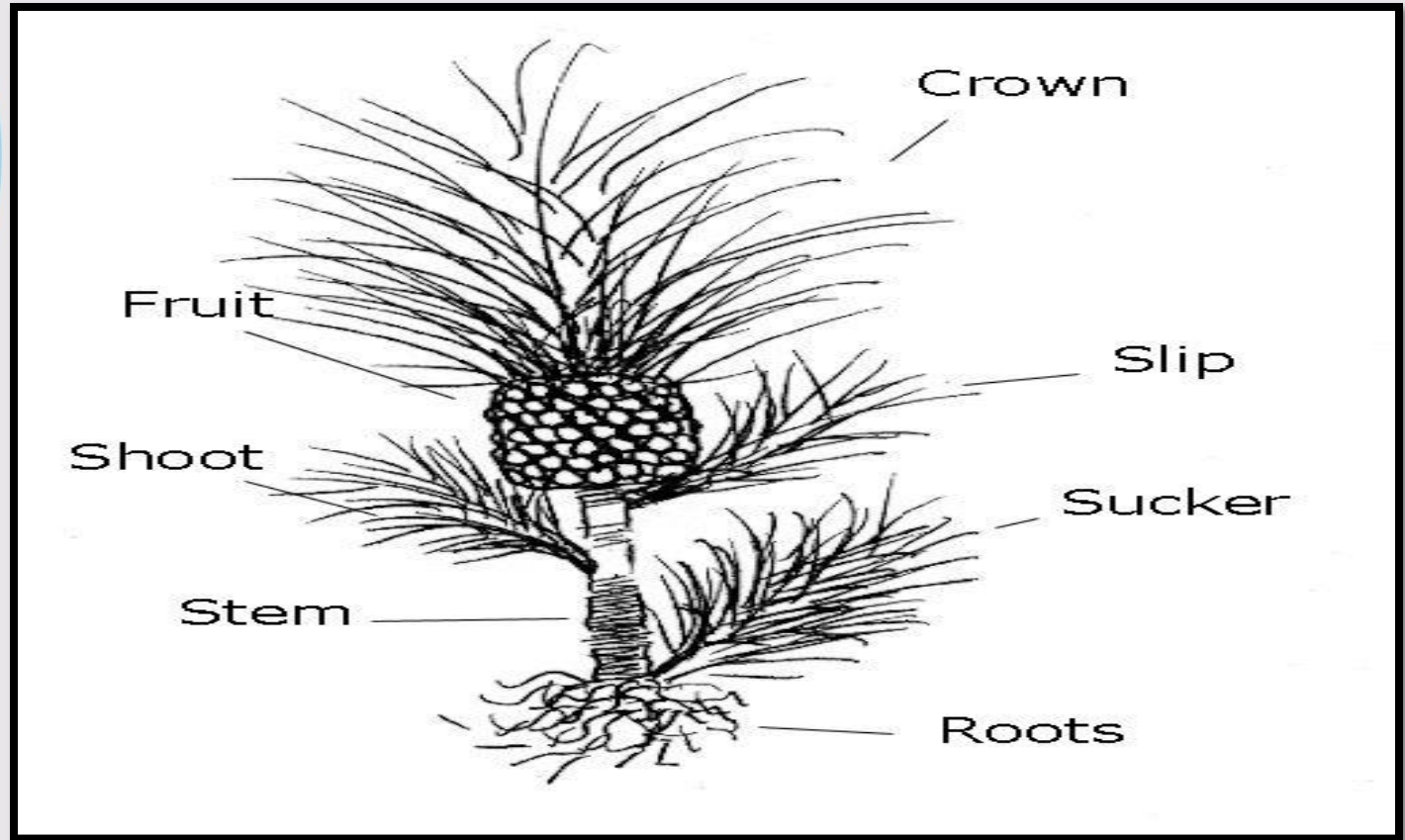
Crowns and

Stem-bits



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Different planting materials used for propagation in pineapple



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- Slips were found to be the best planting materials followed by side suckers and crowns.
- Suckers from main stem bear little earlier than slips, but slips produce larger and uniform fruits



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- Flowering is delayed by about 70 days in plants from crown and about 350 days from stem bits compared with that from slips.
- Hence **slips and Suckers** should be preferred for planting as they come to bearing earlier than the crown and also produce larger fruits.



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Slips



Suckers



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- Before planting, suckers are sorted out into large, medium and small to avoid competition between plants of different sizes.
- Suckers weighing 400-500g or slips of 350-450g are considered suitable as planting material.
- Prior to planting, curing of slips and suckers for 8-10 days in shade is necessary as fresh suckers planted in moist soil begin to decay.



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- Some of the lower leaves are removed from the sucker to facilitate the formation and entry of roots into the soil.
- After removing scaly leaves, planting material should be treated with Monocrotophos (0.15%) and Carbendazim (0.1%) solution to protect against mealy bugs and heart rot, respectively.



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- **Removal of Suckers, Slips and Crowns:**
- Suckers start growing with the emergence of inflorescence while slips grow with developing fruits.
- Only one or two suckers are retained on the plant for ratooning while additional suckers and all slips are removed.
- This is essential as the growth of these may weaken plant and hinder fruit development.



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- Desuckering can be delayed as much as possible since fruit weight was found to increase with increasing number of suckers per plant.
- Increased number of slips delayed fruit maturity; therefore they are removed as soon as they attain the size required for planting.
- Removal of crown is not required as it mars appeal of fruit and also makes handling difficult.



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*Thank
you*

