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*Shaping Lives...
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Center for Smart Agriculture

Hi Tech Fruit Culture



Module 1: Nursery Management

Session 3: Nursery Management in Papaya



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- **Nursery management in Papaya**
- **Propagation**
- **Seed Propagation:**
- Propagation of papaya is mostly through seeds.
- However freshly extracted seeds show low germination due to presence of sarco testa.
- Viability of papaya seed can be maintained for 9 months at room temperature when stored in air-tight containers



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Seed Propagation



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- **Raising Seedlings in Nursery:**
- Seedlings are grown in nursery on raised beds of size 1x2m.
- Seeds are sown at a depth of 1cm in rows spaced at 15cm with 2.5cm spacing within the row.
- Seedlings can also be raised in polythene bags of size 5x7cm.



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Raising Seedlings in Nursery



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- Before sowing seeds are treated with Thiourea (100-200ppm) and Gibberellic acid (GA at 200ppm) for better germination.
- The beds/bags are immediately watered after sowing. Seeds germinate in 2-3 weeks after sowing.
- Seedlings are ready for transplanting within 45-60 days when they reach a height of 20-25cm.



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- The ideal season of transplanting is the beginning of monsoon.
- However, transplanting may be continued from June to November.



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Established Papaya Seedlings in the main field



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*Thank
you*

