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Center for Smart Agriculture

Production management of medicinal and aromatic crops



Module 3: Nursery raising
Session 13: Media for seedlings



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Media for raising nursery

Media for raising nursery

- For satisfactory germination of seed, subsequent seedling growth and anchorage or directly planted vegetative part of a plant and their root and shoot development; proper media is required.



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Media for raising nursery

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- The media may be solid, liquid or spongy moss. In general; good soil, compost, Farm Yard Manure, shredded bark, saw dust, sand, peat, vermiculite, perlite, and sphagnum moss having better water holding with acidic pH.



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Media for raising nursery

Media for raising nursery

- These media are being used either alone or in combination.
- Sometimes, the amendments like gypsum and pyrite are also added in the beds while raising the nursery.
- In some cases, organic media may also contain some toxic materials to plants, especially when fresh.

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Media

Media for raising nursery

- The media should have sufficient amount of plant nutrients, which are essential for growth and development.
- For raising seedling, soil should be friable and should absorb water readily and dry quickly at the surface, but it should not become dry too early.



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Media

Media for raising nursery

- Loam and sandy loam soils well supplied with organic matter are good, provided that they are free from pathogen.
- To make the soil free from soil borne diseases especially damping off, it may be disinfected by soil fumigant.



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Thank You