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Center for Smart Agriculture

Production Management of Medicinal and Aromatic Crops

Module : Harvesting and Post Harvest
Session: Harvesting Indices



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Maturity at Harvest

Most important determinant of :

- Storage life
- Final fruit quality



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Characteristics of commodities harvested at proper stage

- Long storage life
maximum amount of respiratory substances
- Greater resistance to physiological disorder
- Greater resistance to mechanical stress
- Better quality



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Types of Maturity

- ❖ Physiological maturity
 - Commodity attain maximum growth and development

- ❖ Commercial maturity
 - Plant parts possesses necessary characteristics preferred by consumer



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Maturity Index

- ❖ Provides an indication of stage of development or maturation of produce
- ❖ It is based on characteristics that are known to change as the fruit matures.

Signs or indications
shows readiness of
produce to harvest



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Types of Maturity Index

❖ Subjective: use of senses
appearance, touch, smell, resonance,
sweetness

- ❖ Objective: measurable indices
- ✓ Chemical
 - ✓ Computational
 - ✓ Dimensional



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Thank you...