#### Basic Postharvest Losses to Reduce Fruit Deterioration





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# Poor postharvest practices increases produce losses





Contact with soil

Exposure to sun



# Fruit quality • Genetics (cultivars) • Preharvest factors • Climatic • Cultural (irrigation, fertilization, etc.) • Maturity at harvest Postharvest handling





Shading reduces field heat in produce

### Sunscald

Excessive heatExcessive solar (UV) radiation









# Tree structure One stem Multi-stems Increased light penetration Increased ventilation Reduced light penetration Reduced ventilation • . .

- Reduced plant diseases? Increased fruit number? .
- . Increased in plant diseases?
- . Reduced fruit number?









#### Pomegranate is non dimacteric

- · It does not ripen after harvest
- Highest eating quality if allowed to ripen on the tree
  Ripe fruit:
  - More susceptible to cracking and mechanical damage than fully ripe fruit.





#### Modified atmosphere packaging













































### ractices to meintain fruit quality

- Harvest during the coolest time of the day
  Avoid fruit wounding and bruising
- Shade fruit in the field
- soon as possible after harvest Remov
- lecayed fruit amaged Discard





