

Systems Analysis

Four steps are involved:

- 1. Identify the overall system
 - From beginning to end
- 2. *Identify* the individual components that comprise the system
 - Identify subcomponents within each component (e.g., harvest, transport, pack, cooling operations
- 3. Analyze each of the components
- 4. Synthesize the components into a workable plan

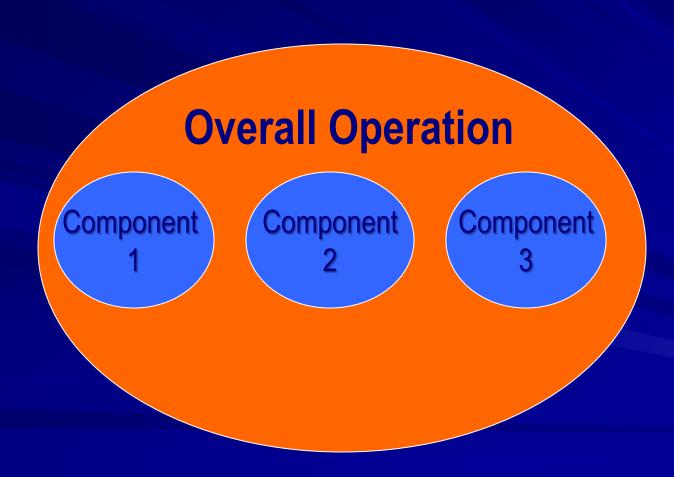
Before analyzing postharvest operations...

Determine requirements for the crop(s)

- Storage temperature and relative humidity
- Appropriate cooling method(s)
- Appropriate packing/shipping containers

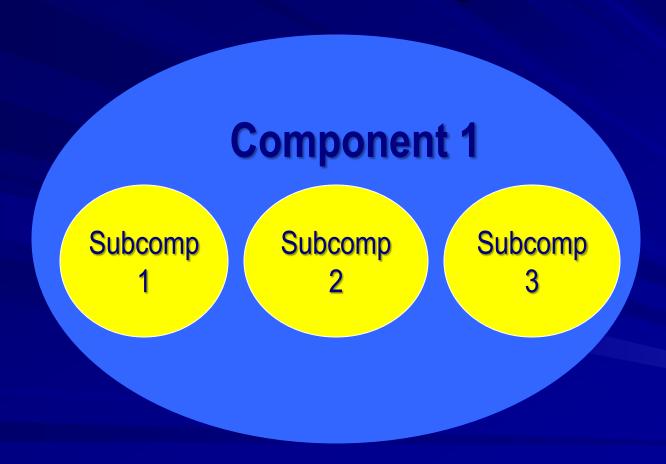
Then...

1. Define the system (overall operation)

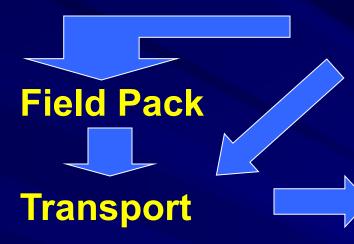


Identify the components

2. For each component, define the subcomponents



What comprises each subcomponent?



HARVEST (Component 1)

PACKINGHOUSE (Comp. 2)



Grading & Packing Operations

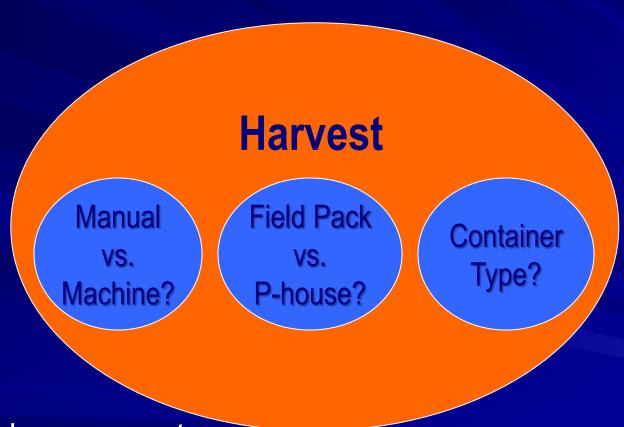
For example, this system has 3 components, each containing several subcomponents.

Palletizing



SHIPPING (Component 3)

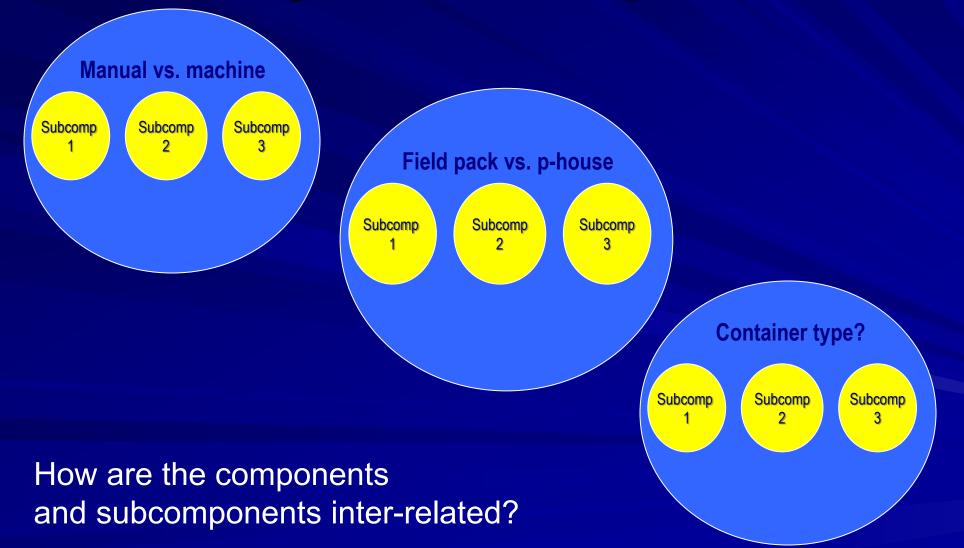
The first component is the Harvest Operation



Identify/define each subcomponent.

Ask: What, where, why, how?

Complete for components 2, 3, then... 3. Analyze the components



4. Synthesize the entire system

