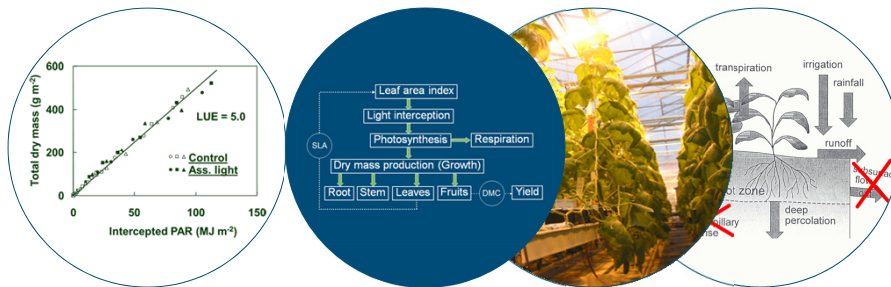


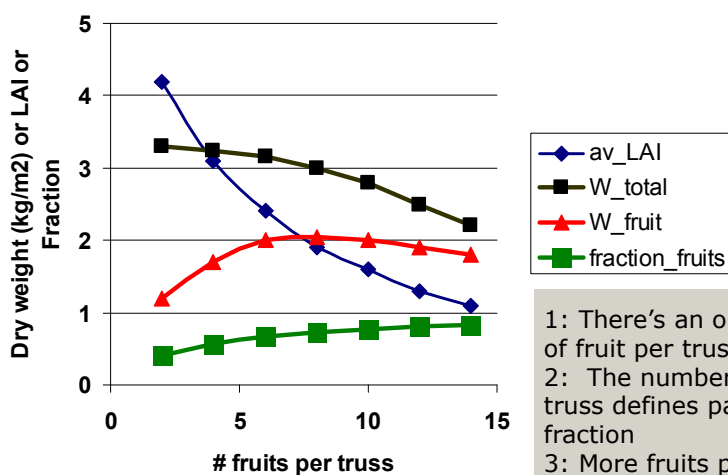
Simulation of biomass production

Concluding remarks



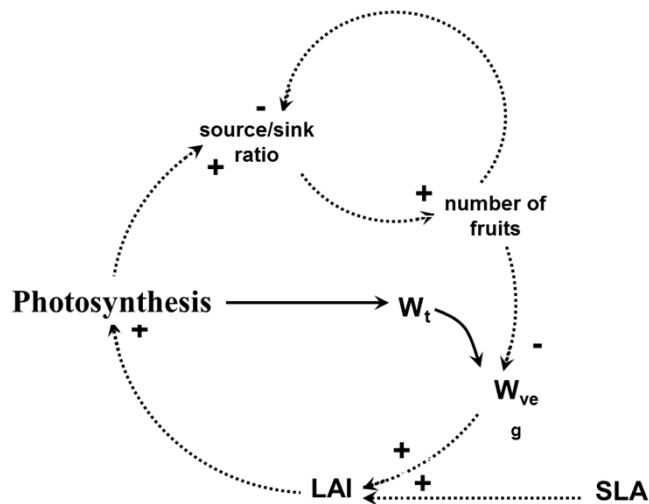
Simulation of biomass production

Simulated effect of number of fruits per truss in tomato



- 1: There's an optimum number of fruit per truss
- 2: The number of fruits per truss defines partitioning fraction
- 3: More fruits per truss → less to vegetative parts → Lower LAI → less photosynthesis → less total dry weight

Interaction (feedback) between assimilate production and assimilate partitioning



Simulation of biomass production

- Conclusions on explanatory models -

Strong features:

- light interception
- gross photosynthesis

Weak features:

- leaf area development
- maintenance respiration
- organ initiation/abortion
- dry matter content
- product quality