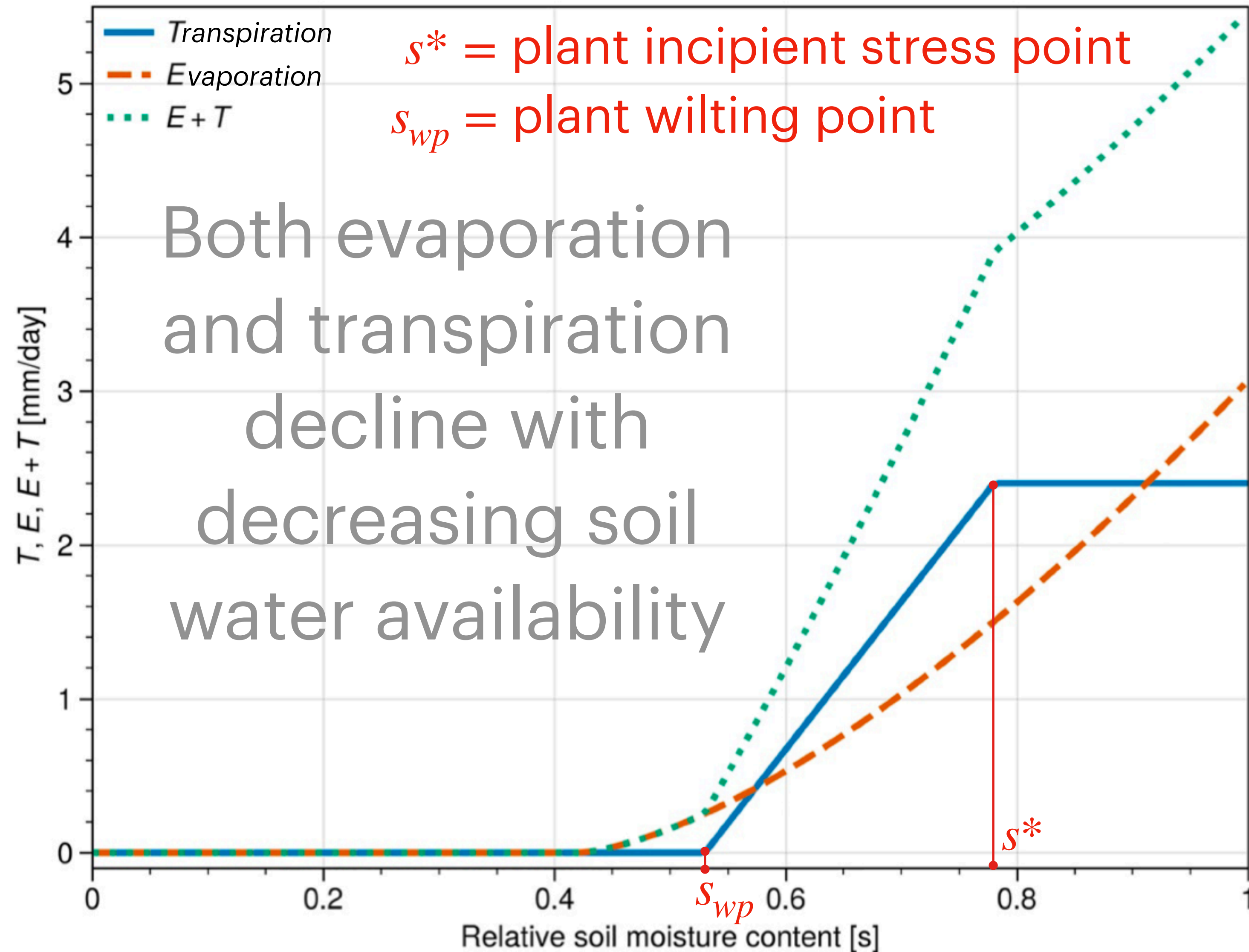


# Modeling Soil Evaporation and Crop Transpiration

Partitioning between  
Evaporation and Transpiration  
also changes as a function of  
vegetation density  
(Leaf Area Index, LAI  $\text{m}^2/\text{m}^2$ )

Higher LAI lowers Evaporation

Maximum Evapotranspiration  
determined by Potential  
Evapotranspiration



# Daily Rainfall → Soil Moisture Dynamics → Vegetation Water Stress

A single model output  
at JACOBSON FARM, for clay loam, planting date 60

