Simulation Set	Goal	Features	Addressing hypothesis
A	Test importance of storage pool	– DA applied to estimate parameters for model without storage pool and model with storage pool – Three treatment groups – Not constrained with NSC data – No leaf area feedback	H1
B	Identify effect of sink limitation on model parameters	– DA applied to estimate parameters for model with storage pool – Data divided into one, two, three or seven treatment groups – Constrained with NSC data – No leaf area feedback	H2–H5
C	Attribute overall effect on growth to changes in individual parameters	– Forward model runs to quantify impact of individual processes on overall plant growth – 5 L and free seedling treatments considered – Parameters changed individually and sequentially – Leaf area feedback on photosynthesis and R_m	