

| Simulation Set | Goal | Features | Addressing hypothesis |
|----------------|--|---|-----------------------|
| A | Test importance of storage pool | <ul style="list-style-type: none"> – 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 | <ul style="list-style-type: none"> – 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 | <ul style="list-style-type: none"> – 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 | |