Intro: Lab Model

Take some time to read the info tab of the model before proceeding.

**MAKE SURE TO RUN THE SETUP BUTTON AFTER SETTING THE INPUTS AND BEFORE THE RUNNING the RUN BUTTON.**

Take some time to play with the model before continuing, about 5 minutes.

What does **Replete** mean in terms of algae cultivation? Click or tap here to enter text.

How does algae respond to being **Starved**? Click or tap here to enter text.

If we are trying to maximize lipid levels, and lipid levels decrease during the **Supplementation** period, why might we harvest the lipid after **Supplementation** over after the **Starvation** period? Click or tap here to enter text.

Part 1: KA32 – *Nannochloropsis Oceanica*

Take some time to read the info tab of the model before proceeding.

Take some time to play with the model before continuing, about 5 to 10 minutes, making sure to stay on the KA32 strain, so you can get familiar with how the model is affected by the different inputs.

Temperature Hypothesis: If the temperature is between Choose an item., then the Lipid Level will Choose an item. and the Biomass level will Choose an item., because Click or tap here to enter text..

Salinity Hypothesis: If the salinity is between Choose an item., then the Lipid Level will Choose an item. and the Biomass level will Choose an item., because Click or tap here to enter text..

Photosynthetically Active Radiation (PAR) Hypothesis: If the PAR level is between Choose an item., then the Lipid Level will Choose an item. and the Biomass level will Choose an item., because Click or tap here to enter text..

Part 2: LRB-AZ-1201 – *Chlorella Vulgaris*

Take some time to play with the model before continuing, about 5 to 10 minutes, making sure to stay on the LRB-AZ-1201 strain, so you can get familiar with how the model is affected by the different inputs.

Temperature Hypothesis: If the temperature is between Choose an item., then the Lipid Level will Choose an item. and the Biomass level will Choose an item., because Click or tap here to enter text..

Salinity Hypothesis: If the salinity is between Choose an item., then the Lipid Level will Choose an item. and the Biomass level will Choose an item., because Click or tap here to enter text..

Photosynthetically Active Radiation (PAR) Hypothesis: If the PAR level is between Choose an item., then the Lipid Level will Choose an item. and the Biomass level will Choose an item., because Click or tap here to enter text..