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 Choose an item. °C, 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 Choose an item. g/L, 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 Choose an item. μmol\*m-2s-1, then the Lipid Level will Choose an item. and the Biomass level will Choose an item., because Click or tap here to enter text..

Conclusion:

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 Choose an item. °C, 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. g/L, 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 Choose an item. μmol\*m-2s-1, then the Lipid Level will Choose an item. and the Biomass level will Choose an item., because Click or tap here to enter text..

Conclusion:

Click or tap here to enter text.