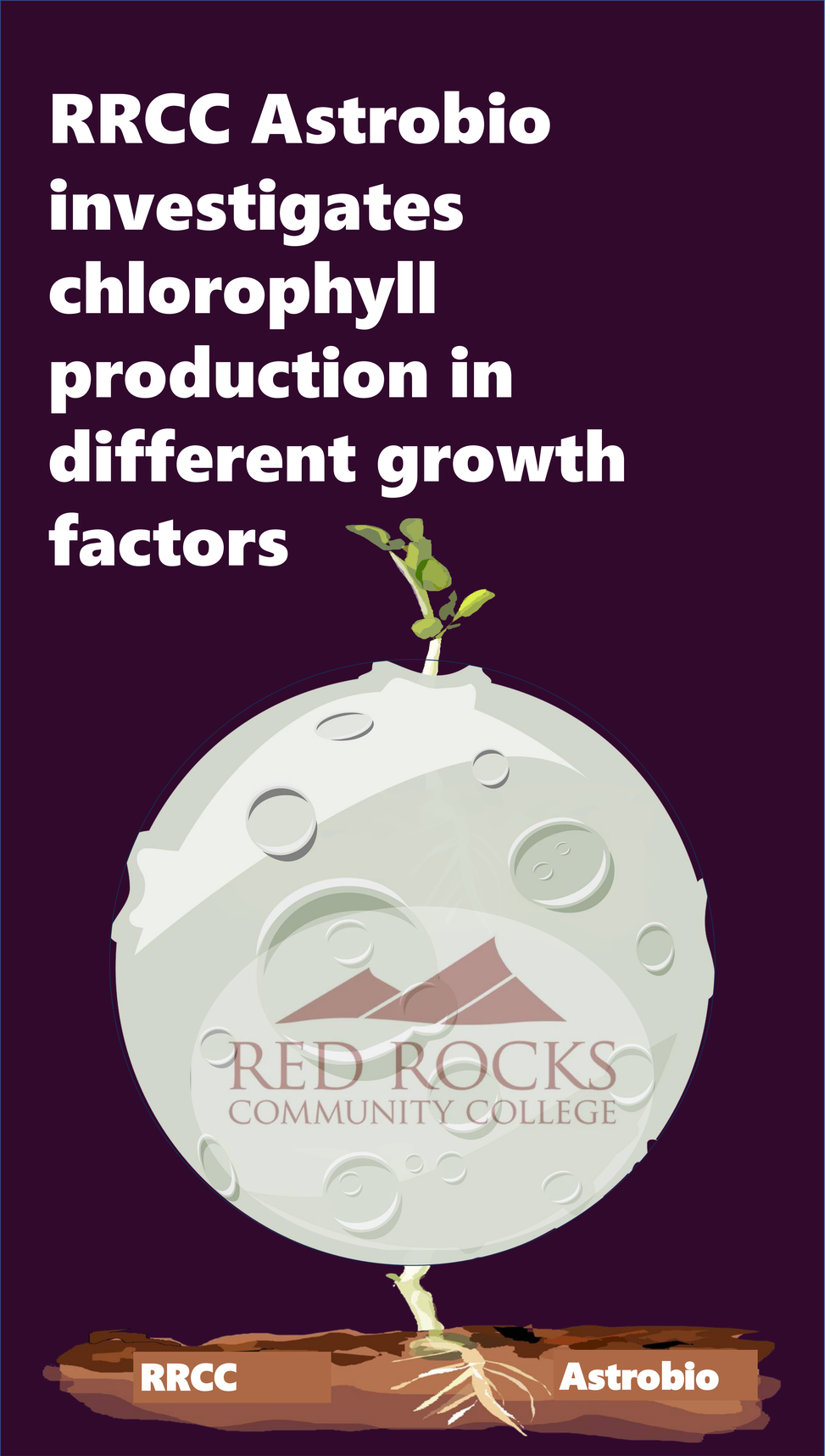
# RRCC Astrobio investigates chlorophyll production in different growth factors




**Spring Semester start**
*January 2026*

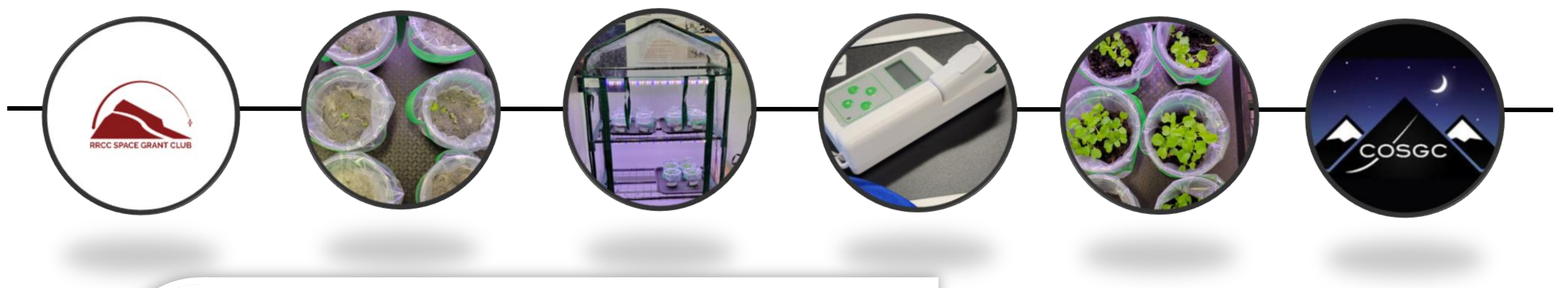
**Arugula planted**
*February 2026*

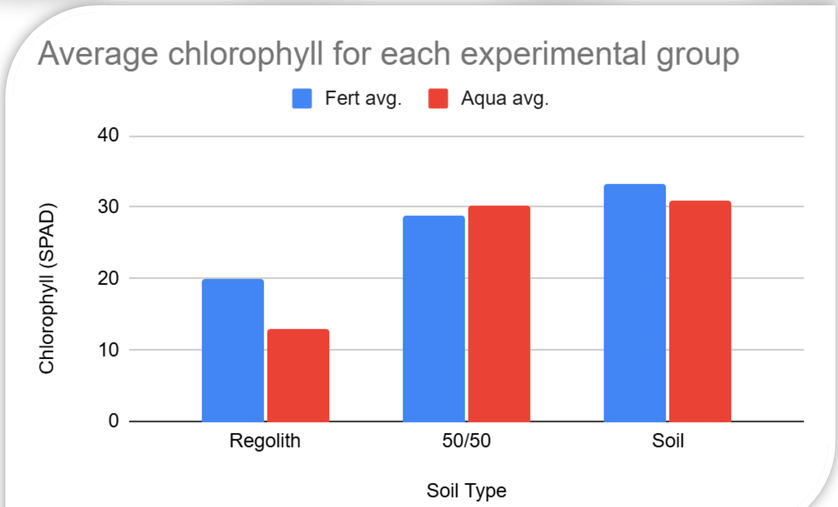
**Greenhouse acquired**
**March 2026**

**Chlorophyll Meter Acquired**
*March 2026*

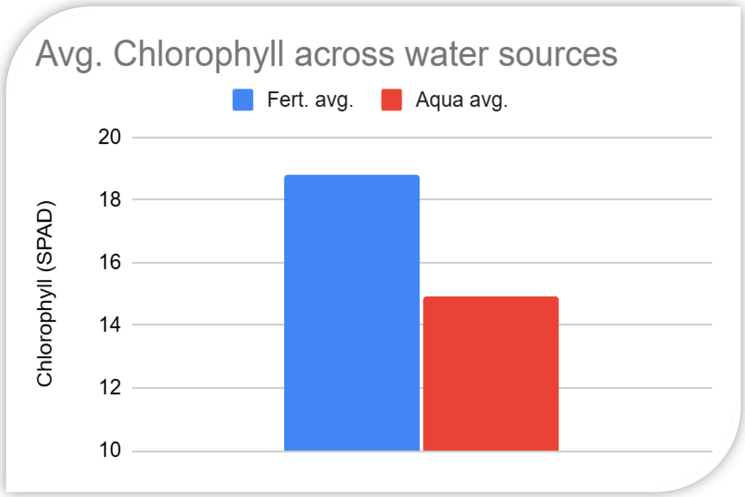
**Final Data Collection**
*April 2026*

**COSGC Symposium**
*April 2025*

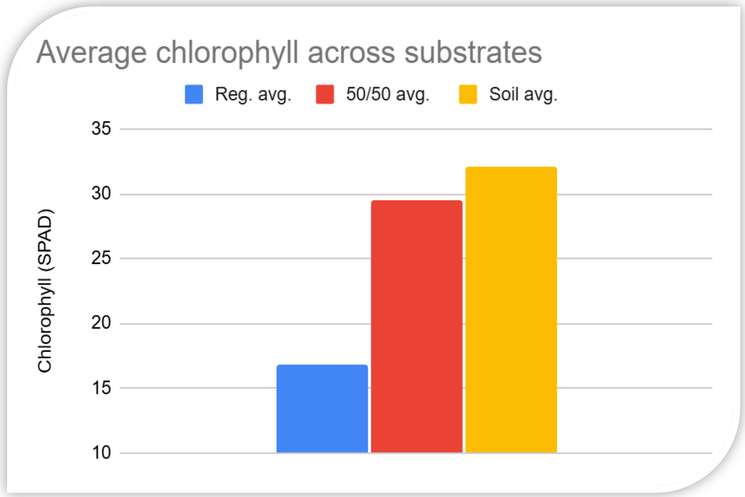



The average of each combination of water and soil factors showed higher consistent chlorophyll levels from fertilizer and water than aquaponic water.




Fertilizer water outperformed aquaponic water overall in chlorophyll production.




Chlorophyll was best produced in the full soil condition, with a 50/50 mix of soil-regolith as a close second.