



**RegenPGC Graduate  
Education Community**

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### **Shade Avoidance and Resource Competition in Maize– Perennial Cover Systems Analyzed Via UAV**

**Abstract** Intercropping offers many potential benefits, however in many cases the growth of both plants suffers because of competition, and these competition dynamics between plants in intercropping systems are not well understood (Moore et al., 2019; Schlautman et al., 2018). Competition for light involves sophisticated plant responses, including shade avoidance mechanisms, to maximize light interception and minimize shading effects (Moore et al., 2019). Understanding these mechanisms is crucial for optimizing crop productivity in intercropping systems.

**Franklin da Silva, Rickiel R.**, Moore, Kenneth J., Goggi, A. Susana, Licht, Mark A., Fei, Shui-Zhang Z., McDaniel, Marshall D., M. Marcos, Fernando, Seraglio, Natan, & Borrás, Lucas. (2025, November 10). Shade Avoidance and Resource Competition in Maize–Perennial Cover Systems Analyzed Via UAV [Abstract]. CANVAS 2025, Salt Lake City, UT, United States.  
<https://scisoc.confex.com/scisoc/2025am/meetingapp.cgi/Paper/170474>