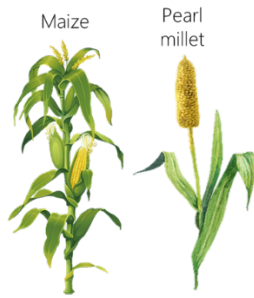




Climate change is intensifying drought events, threatening staple crop yields and food security across sub-Saharan Africa.

Maize, a key regional cereal, is highly vulnerable to drought stress, with global yield losses of up to 15%. In contrast, pearl millet is one of the most drought-resilient cereals, thriving under as little as 300–400 mm of seasonal rainfall.



Well-watered conditions :)



Experiencing drought :(

Pearl millet is more drought-tolerant than maize. It stays green and keep growing when maize begins to wilt, but we still don't fully understand *why*.



My research looks inside these plants to find the unique responses that help them survive drought.

