

# Optimizing Cotton Water Use in the Southern High Plains of Texas using Precision Irrigation Technologies

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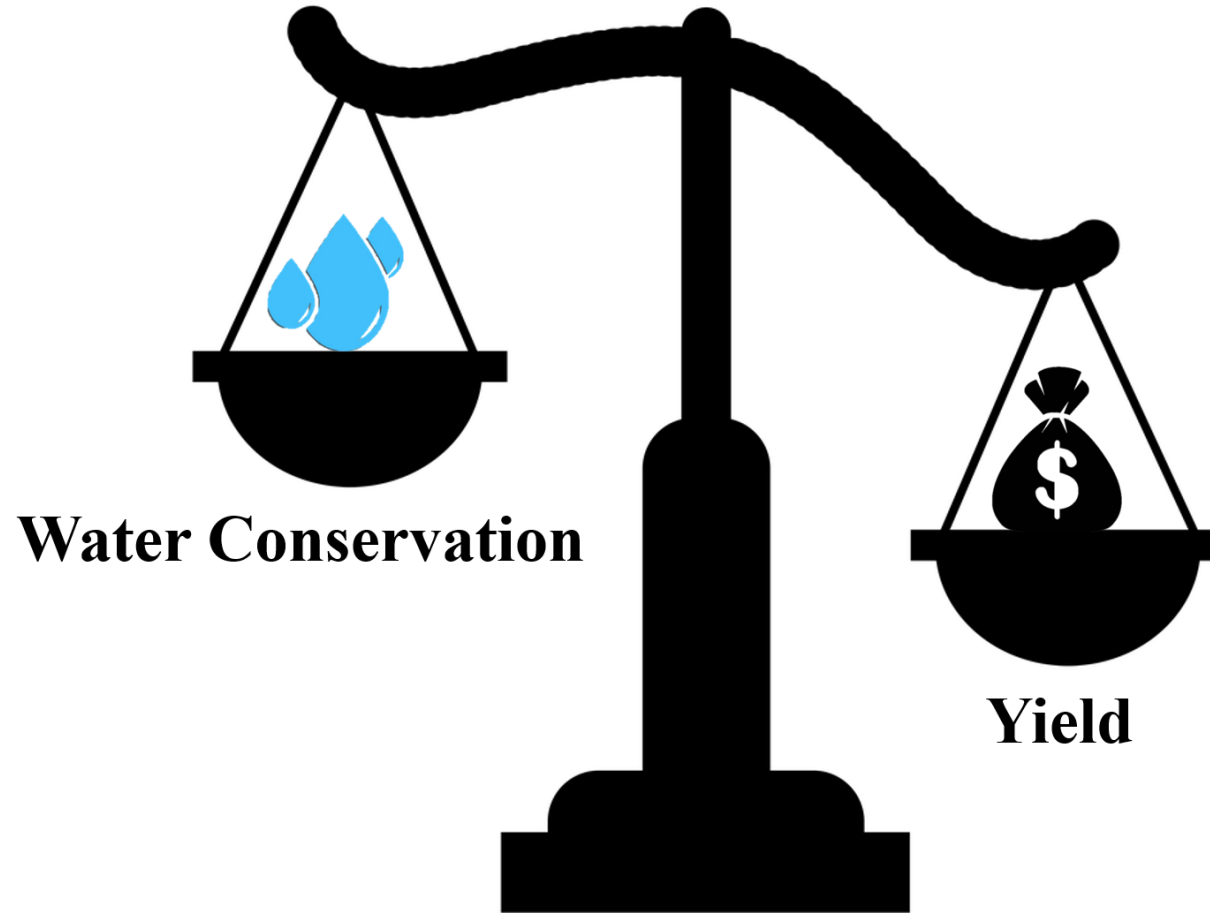


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# Introduction

- ❖ The goal of this study is to improve water use efficiency and conserve water by applying the right amount of water at the right time and the right location.



# Objective 1: To assess the effect of irrigation rates on cotton yield as affected by soil physical and landscape positions

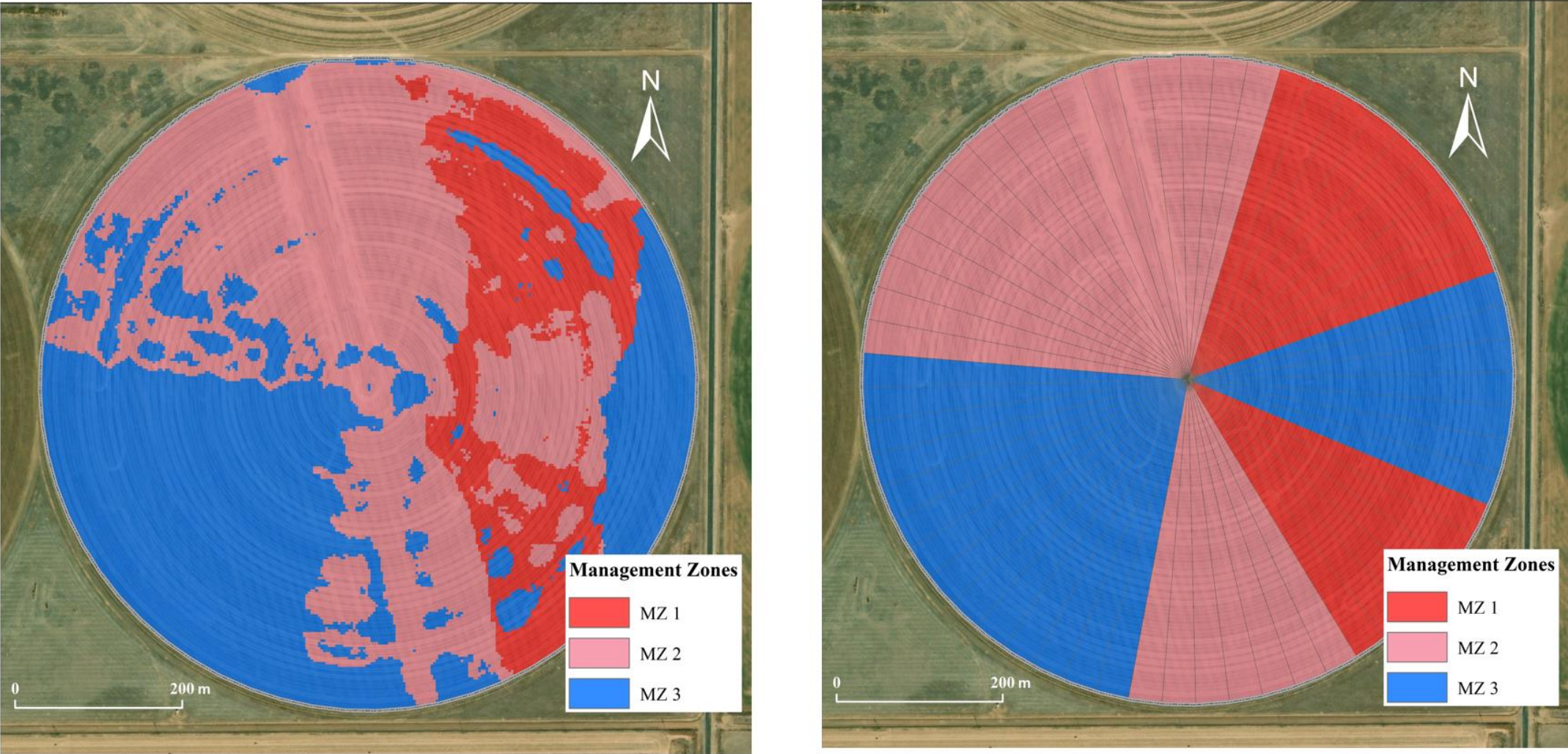


Figure 4. Irrigation management zones (left) and irrigation prescription map (right)



# Future Direction: Scaling up

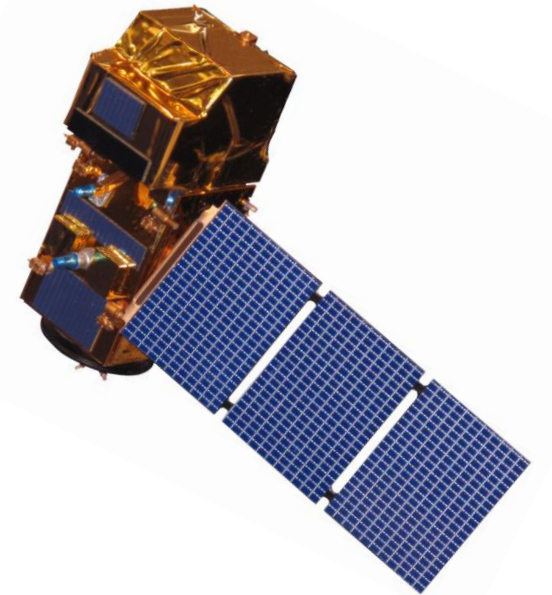


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<https://en.wikipedia.org/wiki/Sentinel-2A>



**Thank You!**



*Crop Ecophysiology & Precision Agriculture Lab team.  
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