Agriculture accounts for a large portion of land use, about 20% of land area is devoted to cropland in the US. Changes in land use result in feedbacks to the atmosphere through modified surface energy, heat, carbon, and water fluxes. Furthermore, human management practices, such as fertilizer and irrigation, have strong influences on hydrology and nutrient cycles. However, the crop model in E3SM has not been tested in a coupled model framework. Therefore, for this study, I will demonstrate the impact of a coupled E3SM model with an active crop model. A surface dataset with global crop distribution was generated to include crops in the tropics and placeholders for additional crop types that will be calibrated for v3 and beyond. The setup will test some of the new dynamic land use features (e.g., crop merge, not land use land cover change) and test the new planting date module. The results will explore the crop behavior under a coupled framework and identify areas for improvement.