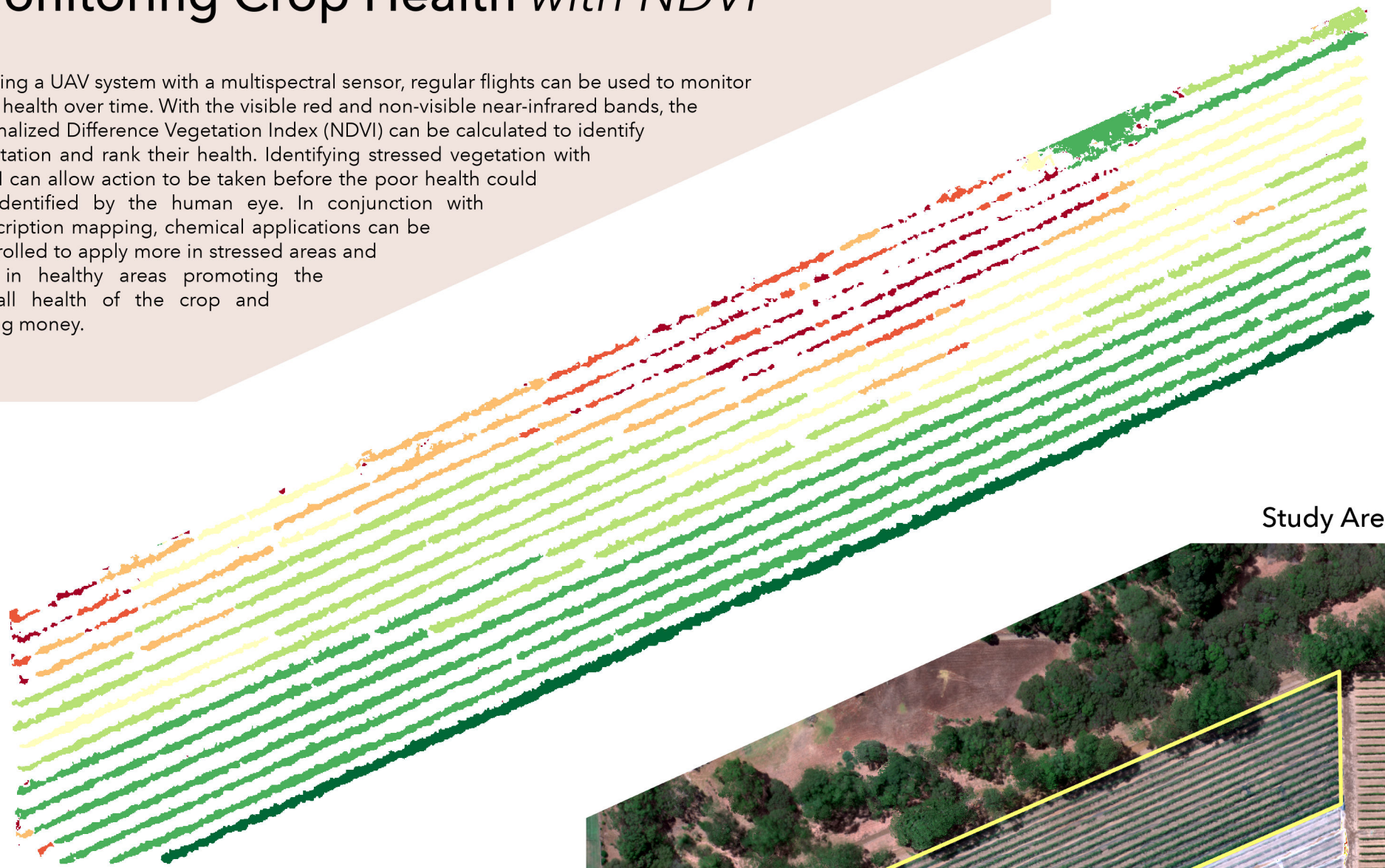


Monitoring Crop Health *with NDVI*

Utilizing a UAV system with a multispectral sensor, regular flights can be used to monitor crop health over time. With the visible red and non-visible near-infrared bands, the Normalized Difference Vegetation Index (NDVI) can be calculated to identify vegetation and rank their health. Identifying stressed vegetation with NDVI can allow action to be taken before the poor health could be identified by the human eye. In conjunction with prescription mapping, chemical applications can be controlled to apply more in stressed areas and less in healthy areas promoting the overall health of the crop and saving money.



Study Area

NDVI



Low

High

