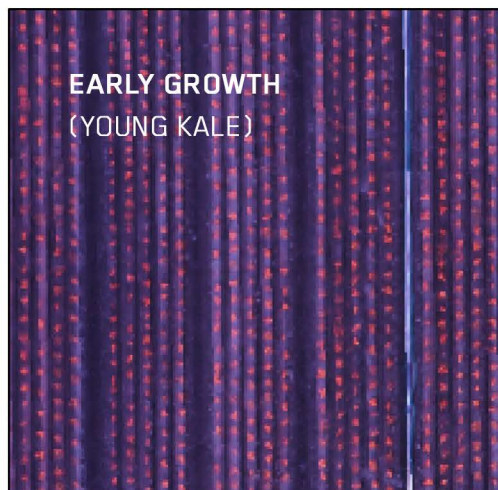## RESEARCH PROJECTS: ESTIMATING PLANT COUNTS AND DENSITY

While high-resolution color-infrared images are not necessary to see overall field conditions, images like those seen below would allow producers to observe key yield indicators well before harvest time, such as seed emergence and plant canopy cover. Based on the structure of the particular crop, our custom classification models can help producers strategize where to replant and where to conduct further ground inspections. Problems with irrigation systems and planters can also be determined before valuable time is lost.
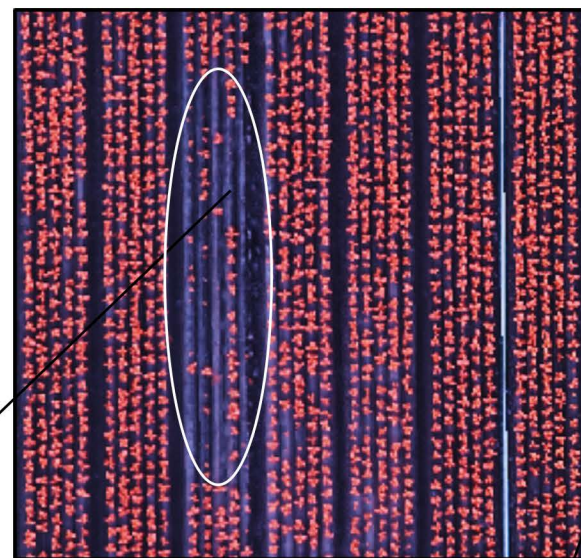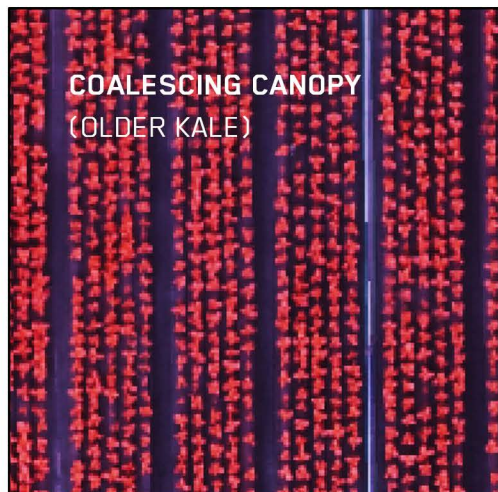

EARLY GROWTH
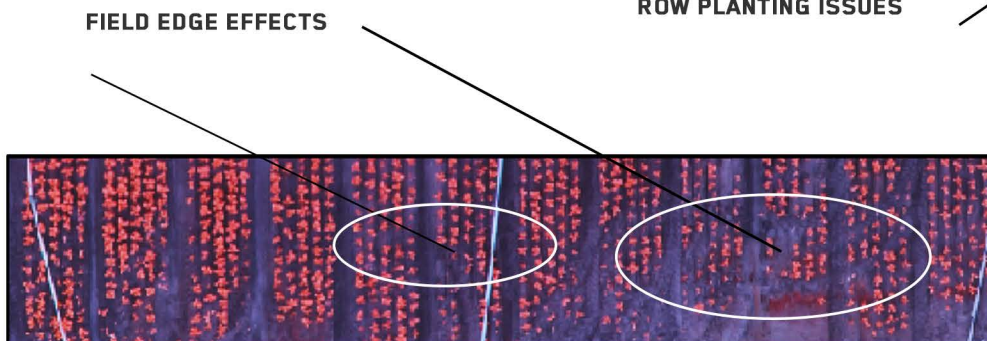(YOUNG KALE)

RESOLUTION: 1.5 INCHES (3.81 CM)

COALESCING CANOPY
(OLDER KALE)

COVERAGE ISSUES

ROW PLANTING ISSUES

FIELD EDGE EFFECTS