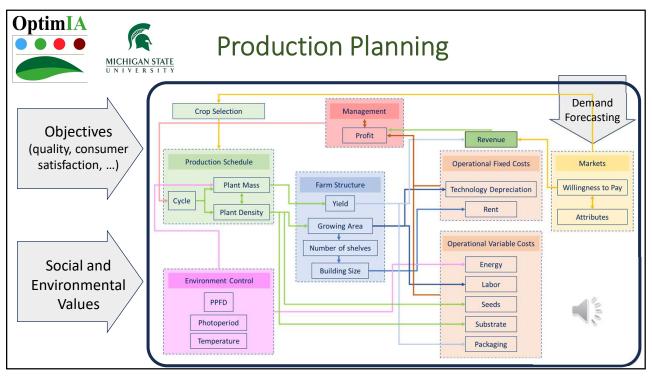


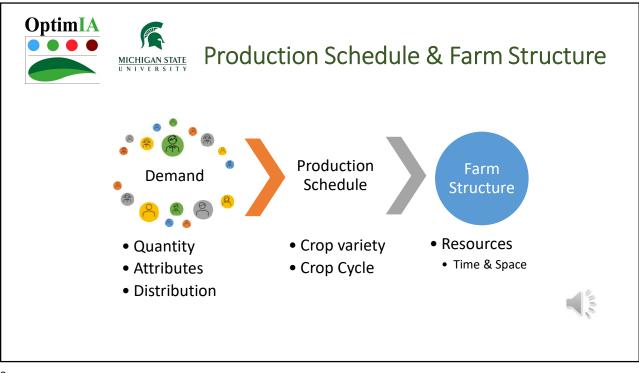


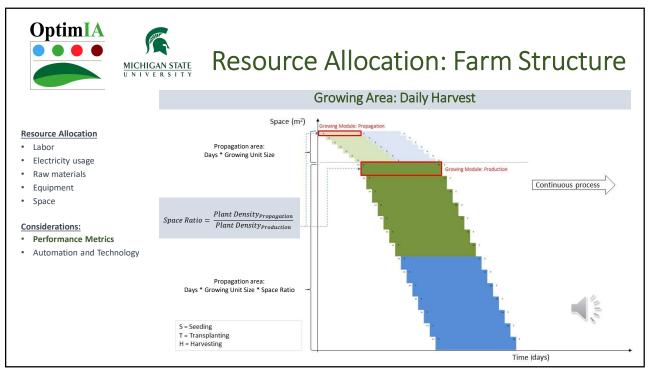
optimiauniversity.org

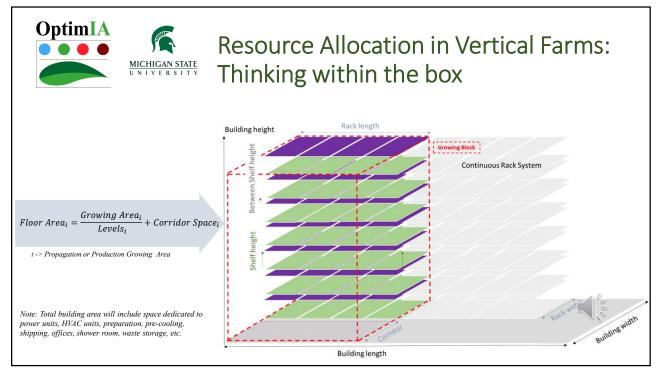
OptimIA Economics Team Simone Valle de Souza, Ph.D. H. Christopher Peterson, Ph.D. Joseph Seong OptimIA Modeling Team Chieri Kubota Murat Kacira KC Shasteen

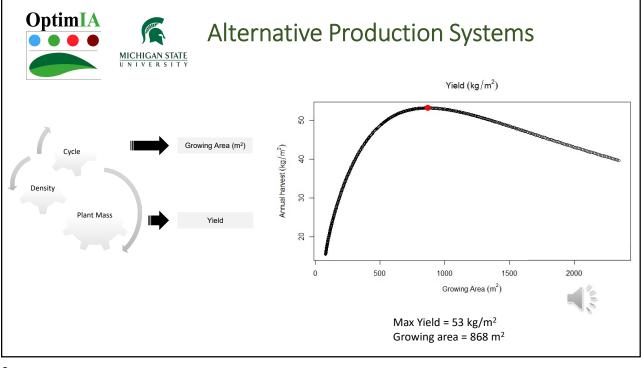
1







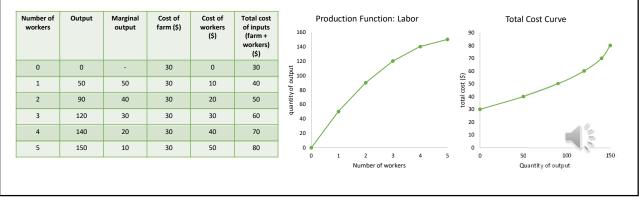


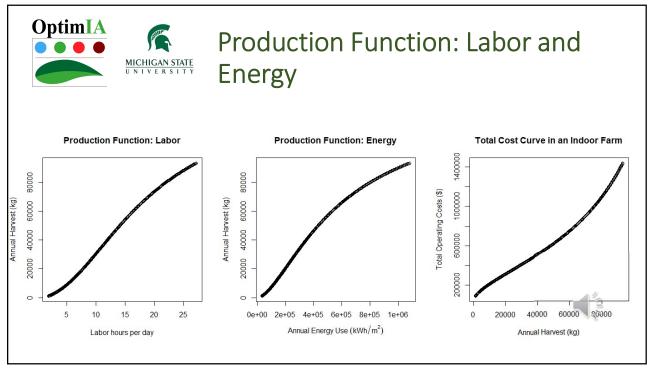


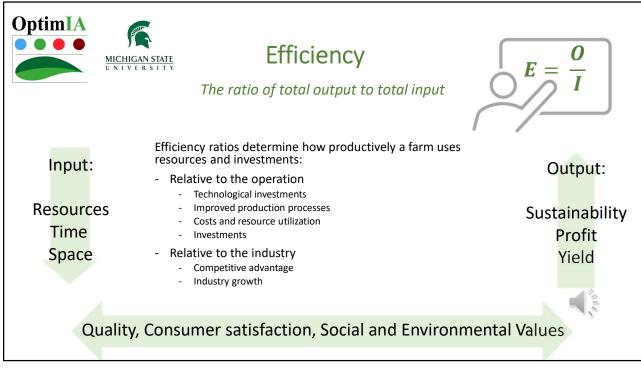


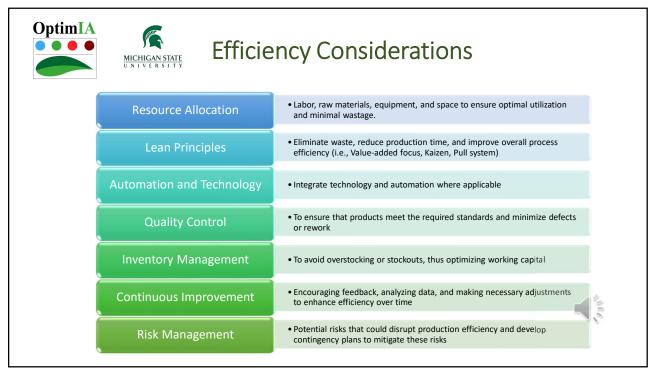
Production Function: the relationship between the <u>quantity of inputs</u> required for a <u>quantity of output</u>.

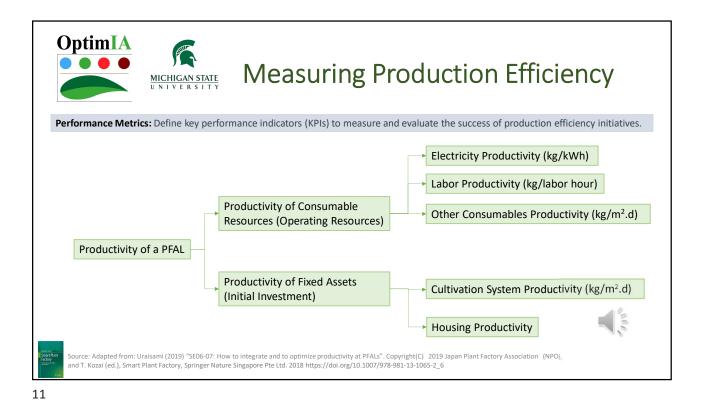
*Diminishing Marginal Product*: the marginal product of an input declines as quantity of the input increases.

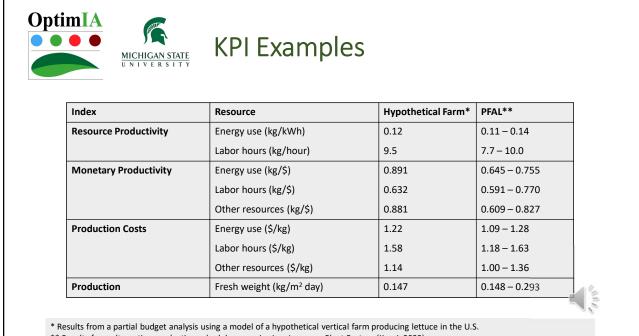












\*\* Results from alternative production schedule scenarios in a Japanese Plant Factory (Kozai, 2022)

