

INNOVATOR SPOTLIGHT

Battlefield Farms | Virginia, USA



INSIDE BATTLEFIELD FARMS

Research with Fluence LED Grow Lights to Streamline Propagation

Located in central Virginia, Battlefield Farms Inc. operates 45 acres of commercial greenhouse production and 20 acres of outdoor cultivation to supply annuals, perennials and poinsettias to the largest retail and big-box stores in the mid-Atlantic region. This is where Research and Development Director, Travis Higginbotham introduced Fluence LED grow lights to Battlefield Farms by moving their early stage plants from the greenhouse into a controlled indoor vertical farm. Travis and his team ran trials to determine the impact of Fluence RAZRx on their efficiency and overall operation.

“We are constantly evaluating new ways to be more efficient with our growing practices to enhance crop quality, timing and overall production. With Fluence LED systems, we are able to improve overall efficiency and productivity in our greenhouse operations.”

TRAVIS HIGGINBOTHAM
RESEARCH AND DEVELOPMENT DIRECTOR

To learn more about Battlefield Farms' Fluence-powered commercial greenhouse production, visit fluence.science/battlefield-farms/

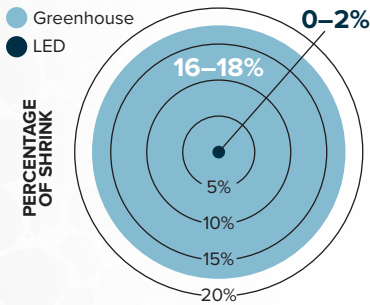


LED VERTICAL FARMING TRANSFORMS PANSY PRODUCTION

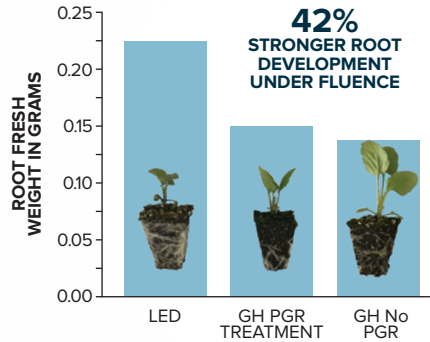
By transforming the growing facility from a single-tier traditional indoor farm using high pressure sodium (HPS) lights into a multi-tier vertical farm with Fluence LED lights, MedMen has decreased cycle time on eight-week strains by up to 25 percent, reducing production time by 5 to 7 days for retail flower market and by 12 to 14 days for oil-extraction and derivatives markets. As well as more than doubled production per square foot & reduced land requirements by 50 percent. Battlefield Farms saw:



MEAN AMOUNT OF SHRINK VS. ENVIRONMENT



MEAN ROOT FRESH WEIGHT IN GRAMS VS. TREATMENT



IMPROVED ROOT DEVELOPMENT



DECREASED SHRINK



INCREASED YIELD



REDUCED LAND USE

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