

INNOVATOR SPOTLIGHT

Peace Tree Farms | Pennsylvania, USA



PEACE TREE FARMS

Cultivating a Consistent, Sustainable Product

Since 1983, Peace Tree Farm has specialized in growing unique and collectible herb, vegetable and ornamental plants in their state-of-the-art, USDA certified organic greenhouses. They have cultivated a relationship with the East Coast supermarket chain, Wegmans, supplying potted herbs year-round. With this customer came the need to evaluate their cultivation techniques to supply consistent, high quality gourmet herbs year-round. To achieve this task, they invested in Fluence LED lighting.

“Anything you can do that improves your lights in a quantifiable way, and in an affordable way, is going to dramatically improve your bottom line.”

LLOYD TRAVEN
PRESIDENT AND CO-FOUNDER



INCREASED PPFD WITH
GREATER EFFICIENCY



FASTER
BENCH TURN



DECREASED
SHRINK



To learn more about Peace Tree Farm and their use of Fluence technology, visit www.fluence.science/peace-tree-farm



FINDING THE RIGHT LIGHT

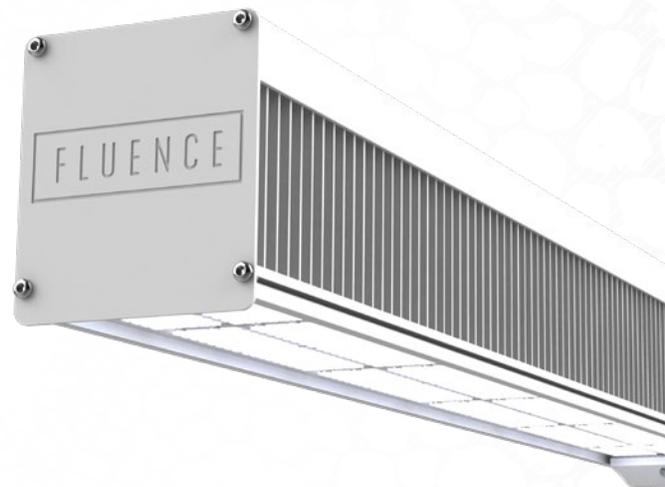
Lloyd Traven, president and co-founder of Peace Tree Farm has always investigated and invested in technology to improve efficiency in horticulture, from watering automation based on vapor-pressure deficit (VPD) to lighting controls synchronized daily with the sunrise/sunset. “We had some areas of the greenhouse equipped with HPS. What we figured would improve our basil production actually made it worse,” said Lloyd. He found inconsistencies in production as well as structurally weak plants which were unacceptable to sell. “We simply didn’t have the light levels we require to create a beautiful, retail-ready produce. So, we had to completely redo our lighting, which is why we went to Fluence and we’ll never go back to HPS.”

IMPROVING UNDER FLUENCE VYPR SERIES

Growing in the Northeast with variances in natural light levels, Lloyd and Alex knew supplemental lighting is the key to consistent, year-round production. HPS did not provide the necessary spectrum and light levels, and was maximizing Peace Tree Farm’s power amperage. According to Lloyd, “since switching over to the Fluence lighting. We are getting over three times the light level in the same area, we are doing it with less electricity, the benches are the same from end-to-end and side-to-side, the plants are short, and stout and sturdy, and they don’t fall apart when you pull them to ship. We ship virtually every plant. It has cut our losses by 40 percent.” Not only are they able to produce a more consistent product, but now they know exactly how much product they are able to ship to fill the year-round orders.



VYPR



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