



Case Study - Boost LED Light Bar

BACKGROUND

Strawberry Fields retrofitted its 1,000W high pressure sodium lights with Thrive Agritech's Boost LED Light Bar as part of a controlled study.

Strawberry Fields has served medical marijuana patients in Colorado since 2010. The company prides itself on its years of experience in producing a wide range of expertly crafted products for Colorado's residents.

PROJECT GOALS

- 1) **Improve plant growth**
Better quality of light during vegetative production.
- 2) **Reduce energy consumption**
Lower electric bills and carbon footprint

Test Setup

INSTALLATION & TEST SETUP

A side-by-side growth study was conducted comparing 6,600 watts of HPS lighting vs. 2,600 watts of Thrive Agritech's Boost LED light bar.

Installation of the Boost light bar was quick and easy. The lights were daisy-chained together from the greenhouse truss support structure, saving considerable time and expense in wiring and cabling. Additionally, mounting to the truss ensured no shadowing of natural sunlight.





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Test Results

| Parameter | HPS | Boost LED Light | Notes |
|----------------------|-------|-----------------|-------------------------|
| Electrical Input (W) | 6,600 | 2,600 | |
| Uniformity of growth | | ✓ | More even canopy growth |
| Stretching | | ✓ | Less elongation |
| Node Stacking | | ✓ | Better node stacking |

HPS



Boost LED Light



"Not only did Boost promote better overall growth, but it used less than 1/2 the energy of our HPS solution."

- Samuel Thoman
General Manager, Strawberry Fields