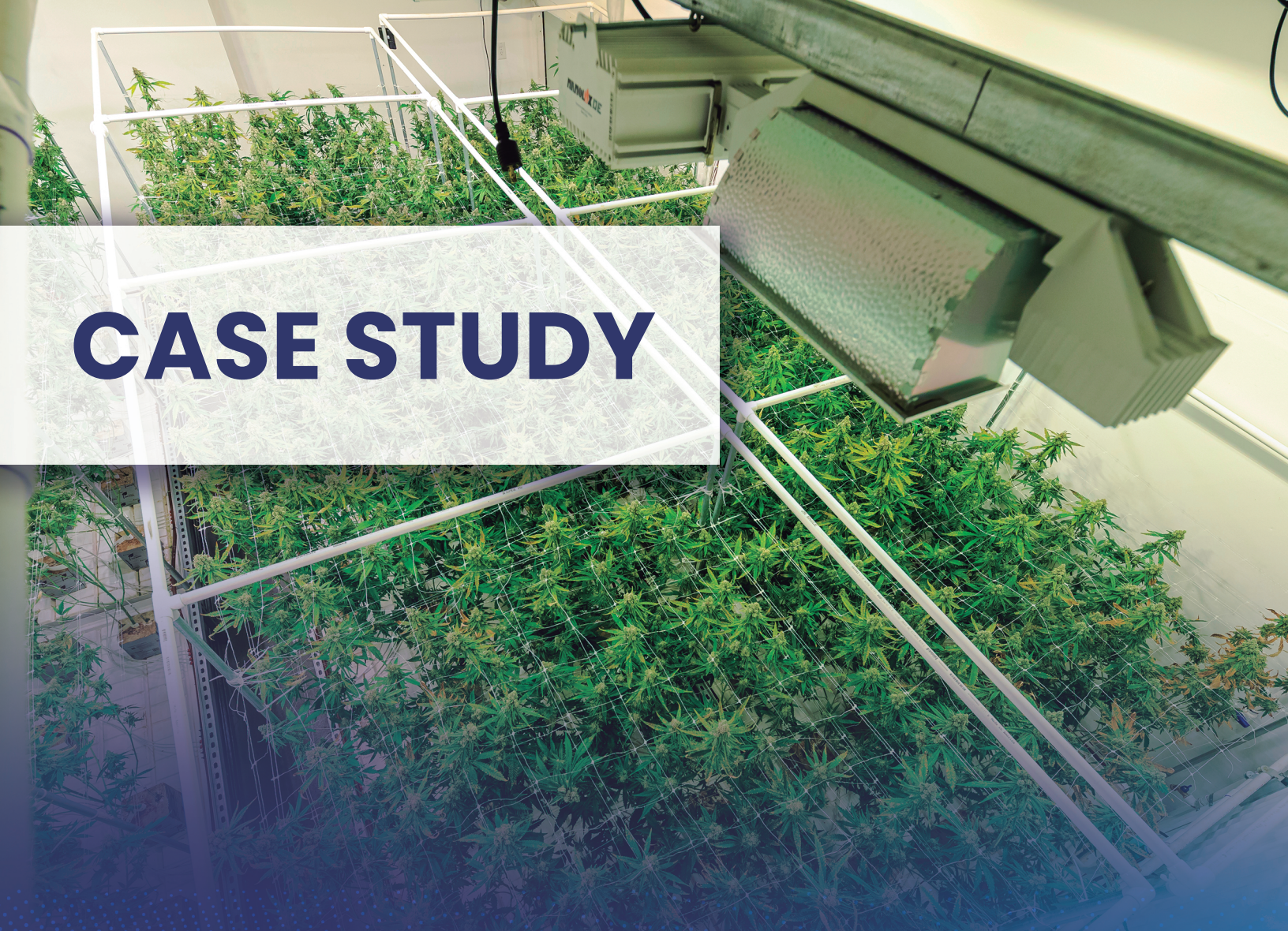


CASE STUDY

800 SQ. FT.

RETROFITTED FLOWER ROOM

COLORADO

INTRA LIGHT

BEYOND PESTICIDES

KEY DATA

- 50 Units Installed
- 800 Square Foot Retrofitted Flower Room
- Mild to Medium Spider Mite Pressure
  Medium Powdery Mildew Pressure
- 14 Day Inspection Found Spider Mite Population Collapse PM Eliminated in Lower Canopy and Reduced In Mid Canopy
- 21 Days Upper Canopy PM Reduced

TESTIMONIAL

"The IntraLights we setup in one of our grow rooms knocked out a spider mite infestation we've been dealing with for years. We went from heavy stippling and occasional webbing to just a few mites in the entire room."

-J.A

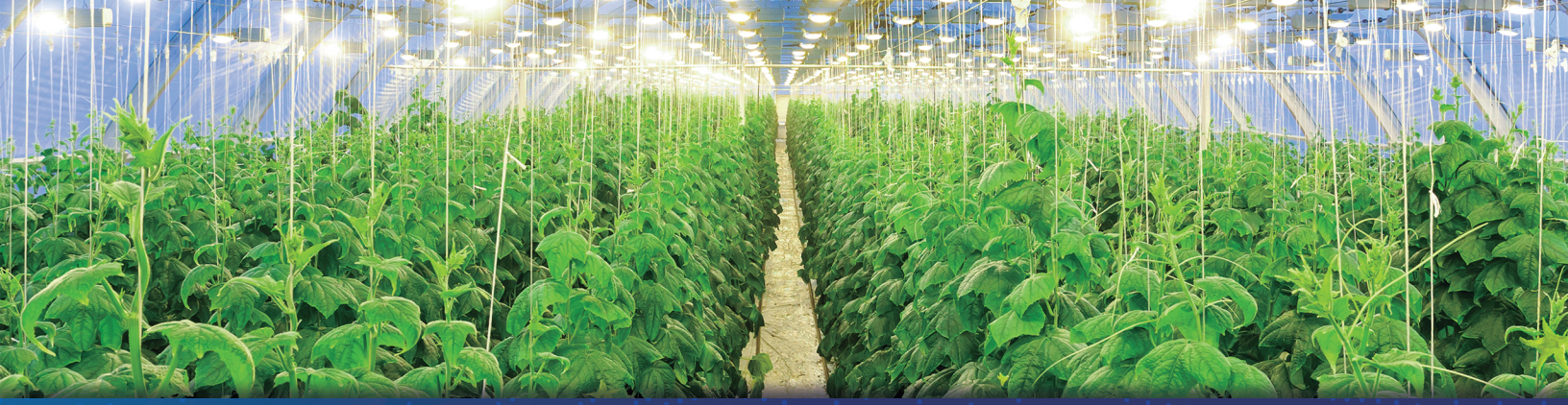
800 SQ. FT.
RETROFITTED FLOWER ROOM
COLORADO

Intra Light technology has been shown to be a highly effective tool in reducing pests and pathogen infestations and infections in commercial grow facilities. A recent study conducted at a Denver, Colorado-based grow facility demonstrated the potential for Intra light to significantly reduce the need for pesticides and labor input costs.

In the study, 50 Intra light units were installed in a single flower room (approximately 800 square feet) on grow trays around central rockwool cubes. Prior to the study, the facility was experiencing mild to medium spider mite pressure and medium powdery mildew pressure, with heavily stippled leaves and significant mite populations on some leaves, as well as powdery mildew infections throughout the space. Despite employing a regular crop protection regime (including the use of Suffoil-X and predatory insects), the facility continued to experience pest pressure due to the retrofitted nature of the warehouse, an inability to fully seal the grow environment, and high foot traffic.

After just 14 days of Intra Light treatment, the crop was inspected and it was found that mite populations had been significantly reduced, with stippling due to spider mites greatly reduced and webbing eliminated. Powdery mildew severity was also reduced in the lower sections of the canopy. At 21 days into treatment, powdery mildew in the lower canopy had been eliminated and severity in the mid canopy had been reduced, although it was still present in the upper canopy. Similarly, spider mite infestations were limited to a few hot spots in the upper canopy and were deemed to be below economically impactful levels. The previous crop protection regime was restarted at this point, without the use of predatory insects and with reduced application rates, and Intra Light treatments continued.

Overall, the results of the study demonstrated that Intra Light technology can be an effective tool in reducing pests and pathogen infestations and infections to below economically impactful levels when used in conjunction with general integrated pest management (IPM) best practices and increased sanitization practices. While the treatment was less effective in upper canopy regions in this particular study, it is shown in similar Intra light studies that canopies below 5ft in height will receive full light treatments and achieve the full potential of Intralight technology.



KEY STATISTICS

100%

REDUCTION IN
BENEFICIAL BIOLOGICS
AFTER 21 DAYS

60%

REDUCTION
IN PESTICIDE
APPLICATION RATES

$<.1

NEGLIGABLE
ENERGY COST

~99.5%

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