



CASE STUDY

PESTICIDAL LIGHT TREATMENT

FOR PEPPER PLANTS

INTRA LIGHT
BEYOND PESTICIDES



KEY DATA

- Spider mite and thrip infestation, edema, and stunted growth
- Nine days of IntraLight treatment to complete pest eradication
- Accelerated growth rate yielding a large and healthy harvest



TESTIMONIAL

"We purchased this ghost pepper plant from a local nursery and found out it had edema and lots of pests. We were excited to test IntraLight's approach, and we're happy to report the plant grew pest free, happy and healthy."



INTRALIGHT PESTICIDAL LIGHT TREATMENT FOR PEPPER PLANTS

At IntraLight, we continue to revolutionize pest control in commercial grow facilities, offering an effective alternative to traditional pesticides. In a recent study, our IntraLight technology was put to the test on pepper plants plagued by spider mite and thrip infestations, as well as edema. The goal was to eliminate pests without resorting to any kind of pesticide application.

The test involved nightly applications of IntraLight pesticidal light treatments at the recommended 60-second per 24-hour rate. Within a remarkably short period of 9 days, the results were astonishing. The pest activity was completely eradicated, effectively restoring the health and vitality of the pepper plants. One of the remarkable findings during the study was the presence of a beneficial predatory insect, a ladybug, residing on the plant. Despite the exposure to IntraLight pesticidal light, the ladybug displayed no negative effects, highlighting the safety and selectivity of our technology.

This case study showcases the outstanding capabilities of IntraLight technology in combating pests and pathogens without the need for conventional pesticides. By relying solely on our pesticidal light treatments, growers can significantly reduce the use of harmful chemicals and associated labor costs. Moreover, the effectiveness of IntraLight technology ensures crops remain free from pests and pathogens, resulting in a harvest of exceptional purity and quality.

IntraLight's success extends beyond pepper plants, as similar studies have demonstrated its efficacy in controlling pests and pathogens in various crops. While previous experiments have shown slightly reduced efficacy in upper canopy regions, our technology is particularly effective in canopies below 5 feet, where full light treatments can be achieved.

Overall, IntraLight technology is a game-changer in integrated pest management (IPM), offering a safe, sustainable, and cost-effective solution for growers. By incorporating our technology into their practices and implementing best IPM practices and enhanced sanitization, growers can achieve pest-free crops while reducing their reliance on pesticides and minimizing labor input costs.

BEFORE TREATMENT



AFTER TREATMENT



EXTENSIVE HEALTHY NEW GROWTH ENTIRELY CLEAR OF INFESTATION



KEY STATISTICS

100%

CHEMICAL
PESTICIDE FREE

100%

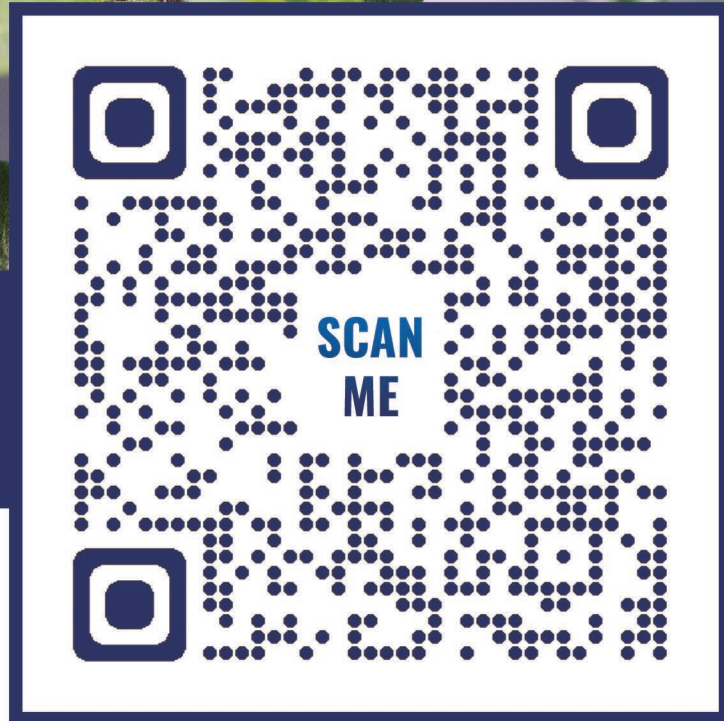
PEST
ELIMINATION

\$<.1

NEGLIGIBLE
ENERGY COST

~99.8%

PRODUCT LIFESPAN
REMAINING.



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