Increase Yields and Cut Costs with Energy Efficient Upgrades

For field farmers and greenhouse growers

Research[1] shows energy efficient HVAC equipment, double-layer infrared film, LED grow lights, daylight sensors and VSD irrigation pumps can:

- Increase crop yields.
- Improve worker productivity.
- Reduce maintenance and operations cost.
- Reduce material costs and sourcing concerns.

One Michigan geranium grower increased annual yields by **34%** by installing double-layer infrared film and LED grow lights[2].

Count on us to help you save

Help is available for farms like yours to be more energy efficient. Consumers Energy offers rebates, lowering the cost of energy efficient upgrades. Our team is here to walk you through the program and available resources.

Some of our offerings include:

- Free energy assessment.
- Special rates tailored to your farm.
- Incentives and rebates with up to **$30,000** of energy efficient equipment and labor.

1. This document includes third-party research conducted to calculate non energy benefits from energy efficiency upgrades for Consumers Energy customers in Michigan (2023) and secondary research.
2. Consumers Energy customer in Michigan (2023).

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ConsumersEnergy.com/StartSaving

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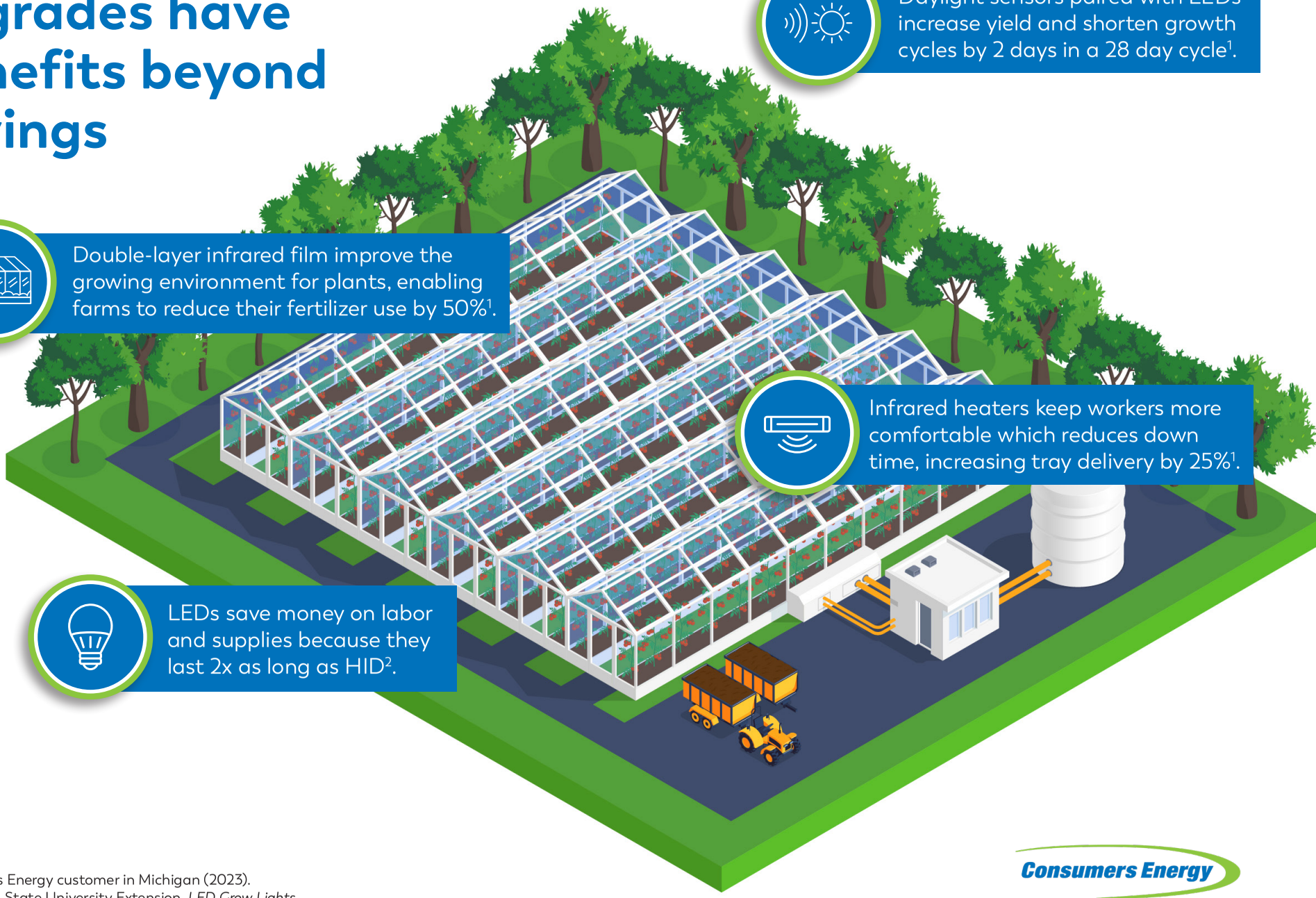
Energy efficient upgrades have benefits beyond savings



Daylight sensors paired with LEDs increase yield and shorten growth cycles by 2 days in a 28 day cycle[1].

Double-layer infrared film improve the growing environment for plants, enabling farms to reduce their fertilizer use by 50%[1].

Infrared heaters keep workers more comfortable which reduces down time, increasing tray delivery by 25%[1].

LEDs save money on labor and supplies because they last 2x as long as HID[2].

1. Consumers Energy customer in Michigan (2023).
2. Oklahoma State University Extension, *LED Grow Lights*, https://extension.okstate.edu/fact-sheets/led-grow-lights-for-plant-production.html

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