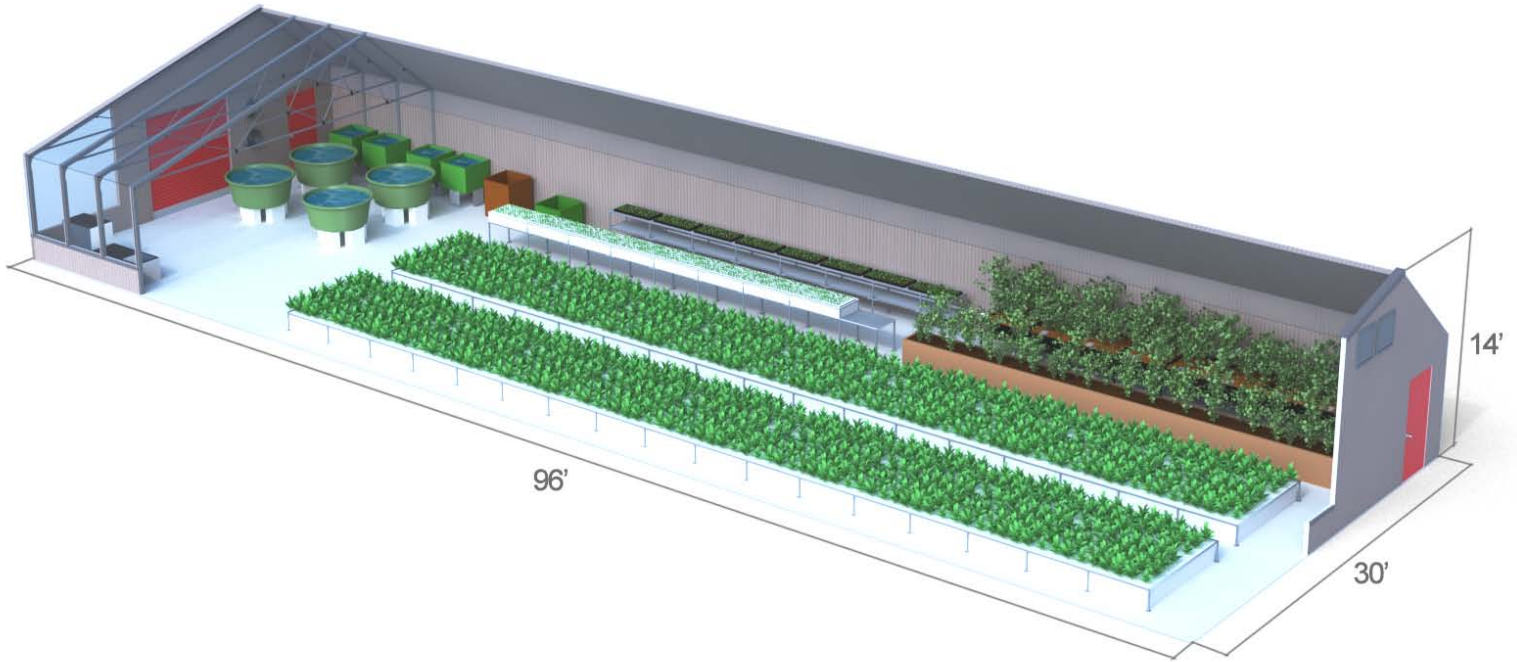


ENERGY-EFFICIENT AQUAPONICS GREENHOUSES



2,880 SQ. FT. GREENHOUSE + AQUAPONICS

PRODUCES:

40,000 LEAFY GREENS PER YEAR
plus over 700 microgreen flats and on-going harvest of crops from the media and wicking beds

1,000 LBS. of FISH PER YEAR
from aquaponic fish tanks

ONGOING HARVESTS
of high-value crops grown in media beds

USES:

50% LESS ENERGY
compared to conventional greenhouses. Greenhouse can be 'self-heating' with Ceres' Ground to Air Heat Transfer (GAHT™) System

90% LESS WATER
compared to conventional agriculture

Estimated production and resource use varies by crop selection, growing conditions and climate.

A Complete Solution

Energy-Efficient **DIY GREENHOUSES**

ABUNDANT YEAR-ROUND GROWING

Ceres HighYield™ Greenhouse Kits use passive solar design principles, a fully insulated North wall, and triple layer polycarbonate glazing, making them the most energy-efficient commercial greenhouses on the market.

HIGHER YIELDS

Glazing materials have a light transmittance and light diffusion to create a superb growing environment for high-productivity year-round growing.

DURABILITY

Steel frames are rated for high snow and wind loads, ensuring your investment is protected from extreme weather.

DO-IT-YOURSELF ASSEMBLY

Pre-fabricated building kits include all materials for easy, cost-effective assembly.

CROP DIVERSITY

The hybrid aquaponic system integrates four growing methods: media beds for fruiting crops, deep water culture for high production of leafy greens, flood decks for microgreens and wicking beds for root crops.

Four fish tanks allow for ongoing production and harvesting of edible fish such as tilapia, catfish, striped bass or high-value ornamental koi.

ZERO WASTE

No water is discharged from the system. A vortex brewer can be added to capture additional solid waste from the system, used as supplemental natural fertilizer for aquaponics beds, outdoor gardens or house plants.

EFFICIENT DESIGN

The greenhouse floor plan maximizes plant production with the large DWC troughs which provide end-to-end production of crops in a steady rotation. The seedling nursery is directly adjacent to a waist high transplanting and harvesting trough creating a comfortable and efficient work environment.

+ Hybrid **AQUAPONICS SYSTEMS**

Ceres Greenhouse Solutions is an industry leader in advanced, high efficiency greenhouses. Colorado Aquaponics was founded by JD and Tawnya Sawyer to help families and communities design and build successful aquaponic systems. The Sawyers also own The Aquaponic Source and Flourish Farms, a 3,000 sq. ft aquaponics greenhouse in Denver, Colorado (right). Together, Ceres and Colorado Aquaponics work to integrate proven aquaponics systems into high-performance greenhouses for truly sustainable and resilient year-round growing.

