GROWING A BETTER WORLD

As farmland and water supplies diminish, the human population soars. If conventional farming continues at the current rate, we’ll likely face major food and water shortages within 40 years.

Compared to traditional agriculture, aeroponics uses 98% less water and 90% less space to grow more food, faster. Aeroponic farms can also operate in cities and other urban areas, making fresh, real food more available for all — now, and in the future.

WHAT IS AEROPONICS?

A form of hydroponics, aeroponics is the process of growing plants without soil, using only water and nutrients.

But where hydroponic systems suspend roots in a nutrient solution, aeroponic towers periodically spray exposed roots with solution, providing fresh oxygen, water, and nutrients precisely when plants need them.

The result is better tasting and incredibly nutritious produce — all using dramatically less resources, time, and space.

Visit towergarden.com for more information about Tower Garden and aeroponic farming.
CONQUERING A GLOBAL FOOD CRISIS

Nearly 24 million Americans live in “food deserts” — areas with limited access to fresh fruits and vegetables. Elsewhere, produce often travels up to 3,000 miles before it reaches a plate, compromising freshness, flavor, and nutrition.

Using systems that are uniquely adaptable to most any urban environment, aeroponic farmers can grow within the communities they feed, solving the problems of availability and quality.

CULTIVATING COMMUNITIES
True Garden’s solar-powered facility in Mesa, Arizona, provides fresh produce year-round in the hot, arid deserts of the Southwest U.S. In addition to making healthy food more accessible, aeroponic farms also create educational and job opportunities, enrich local communities, and invigorate old neighborhoods and buildings.

Urban farms already produce 1/5 of the world’s food.

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DELICIOUS, HEALTHY PRODUCE 365 DAYS A YEAR

MAKING A LIVING WHILE MAKING A DIFFERENCE
There are many perks of aeroponic farming, including low overhead, reduced risk of pests, consistent yields, and a year-round growing season.

Rooftop restaurants, green-thinking grocery stores, creative classrooms, and many other innovative thinkers have already discovered the value of aeroponics.

There are hundreds of aeroponic Tower Farms all over the world — many of them growing in unique places. In fact, we establish a new first-of-its-kind farm every year.

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WHAT IS A FARMERPRENEUR?
Farmers are mission-minded individuals with an agenda of social change — aiming to make nutritious food available to all. These forward-thinking farmers may not have an ounce of agricultural experience, but with aeroponic farming, they don’t need it.

BIRTH OF THE FARMERPRENEUR

Scissortail Farms
Tulsa, OK

The Garden at AT&T Park
San Francisco, CA

O’Hare Airport Urban Garden
Chicago, IL

Rouses Supermarket Rooftop Farm
New Orleans, LA

Boys and Girls Clubs of Greater Memphis
Memphis, TN

Bell Book & Candle
New York, NY

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INSIDE A TOWER FARM
A study at the University of Mississippi — one of the best agriculture research universities in the U.S. — found the Tower Farms aeroponic process can grow 30% more food up to 3 times faster than traditional methods, using a fraction of the water and land.

Hanging in vertical towers, plants are showered with a natural nutrient solution that encourages rapid, healthy growth. In just a few weeks after planting, crops are ready to harvest.

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PRODUCING FOOD, PRESERVING WATER

Aeroponic Tower Farms require 98% less water than conventional farming practices.

ECO-FRIENDLY FOOD PRODUCTION
Traditional agriculture accounts for 80% of U.S. water usage. Even more alarming, 40 of 50 state water managers expect shortages in their states by 2023. Preventing this major water crisis starts with the way we grow our food.

LOVE FOR LOCAL FOOD
About 20% of fresh vegetables in the U.S. comes from overseas. Of that, only 2% is actually inspected. By sourcing your food from a local farm, you can be more confident in its quality.

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THE FUTURE OF FOOD IS VERTICAL

If we continue growing food by conventional methods, we’ll need about 270 million more acres of farmland by 2050 to feed our surging population.

The problem is that we actually lose about 3,000 acres of farmland to urban development daily.

But since aeroponic systems can grow plants vertically, farmers can now produce food in a fraction of the space, using 90% less land typically required by traditional agriculture.

Tower Farms can produce up to 2 million plants per year.

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PLANT FOOD AS PURE AS THE EARTH ITSELF
Traditional farms rely on organisms in the soil to convert decomposing material into minerals (such as nitrogen and calcium) that plants need to grow.

But aeroponic farms deliver these raw earth minerals directly to plant roots with a liquid nutrient solution — by passing the soil-dependent process entirely.

In addition to wholesome, nutrient-rich produce, the results of this shortcut are faster growth rates and greater yields.

HUMAN HEALTH STARTS WITH PLANT HEALTH
There’s a lot of truth in the saying, “you are what you eat.” That’s why it’s smart to fill your diet with healthy foods like fruits and vegetables.

But did you know that how a fruit or vegetable is grown can impact its nutrient levels?

Experts in human and plant nutrition developed the Tower Farms fertilizer to ensure it safely nourishes both plants and the people who ultimately eat them.

Compared to conventional growing methods, aeroponics actually increases the nutrient density of some crops, such as red kale, cherry tomatoes, and squash.