

# Get Growing NFT 4K

## Farmers Market Bundle



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## NFT 4K Inclusions List



### **Get Growing! Commercial Bundle - Farmers Market**

**2/1/19**

**Hydroponic NFT System with 4,320 total plant sites. System fits into a 1,440 square foot greenhouse and can yield 1,080 plants per week.**

### **NFT 4K System Specifications:**

System is comprised out of (2) NFT tables measuring (1) at 12' x 40' and (1) at 12' x 30'. System includes growing channels, table frames, manifolds and collectors, feed and return plumbing, pumps and main 575 gallon reservoir. Lighting is included for the nursery section.

System is controlled by an IntelliDose controller that will monitor the pH and CF 24/7. Unit comes with buffers, extra probes, stock tanks and handheld meter for cross-testing.

Propagation System is designed to feed the main growing channels for maximum harvest based on six week plant cycles. System has (5) AmHydro Propagation Trays, including a seeding machine and lighting.

Included with package are your first (3) months of growing supplies. Supply list includes seeds, growing medium with plant stakes, nutrients, Additives for propagation, pH adjuster and a water test.

**System TOTAL: \$ 29,500.00**

### **Not Included in this package. Owner responsible for:**

***Greenhouse (Atlas Tropical, Grand Peak, Super Arch or other)***

**Site prep & construction for the greenhouse which includes:**

- 1,600+ sqft of space and building permits (if required)
- Utilities brought to the greenhouse site
- Level ground/ area for greenhouse (concrete foundation and floor recommended)
- Construction of greenhouse and AmHydro NFT system
- Ability to dig hole for the 575 gallon reservoir (approx. 10'x6'x4'), including trenching
- 2-3 laborers to construct greenhouse (local tradesmen may be needed)
- Scissor lift and/or boom truck to raise greenhouse arches and attach poly-carb sheets

## NFT System Specifications

### Harvest:

**Crop Turn (CTT)** - A number determined by harvested plants per year, per finishing plant site.

13 CTT - 540 plants per week (8 week harvest cycle)

17 CTT - 720 plants per week (7 week harvest cycle)

26 CTT - 1,080 plants per week (6 week harvest cycle)

### System:

Finishing sites: 2,160 (120 channels)

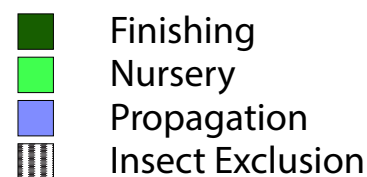
Nursery sites: 2,160 (30 channels)

Propagation sites: 2,760 (5 trays)

Reservoir size: 575 gallons

Greenhouse square foot: 1,440 (2,160 with insect exclusion)

NFT growing area square foot: 840



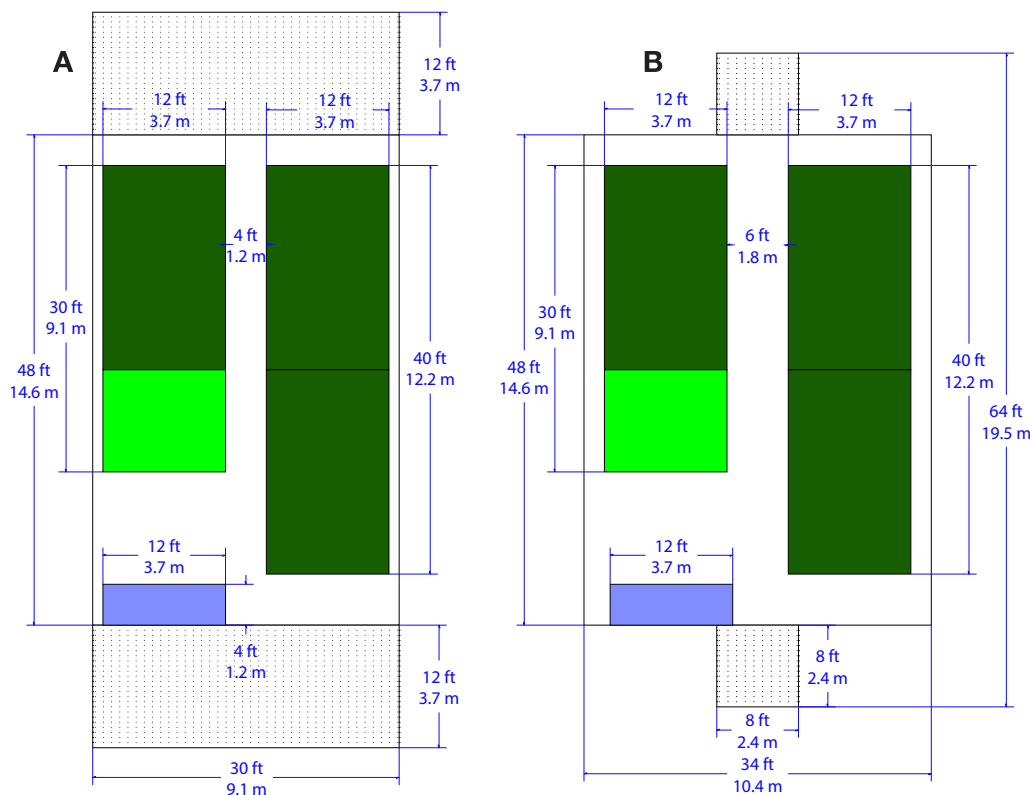
Drawing **A** showing layout with:

Atlas Super Arch Greenhouse

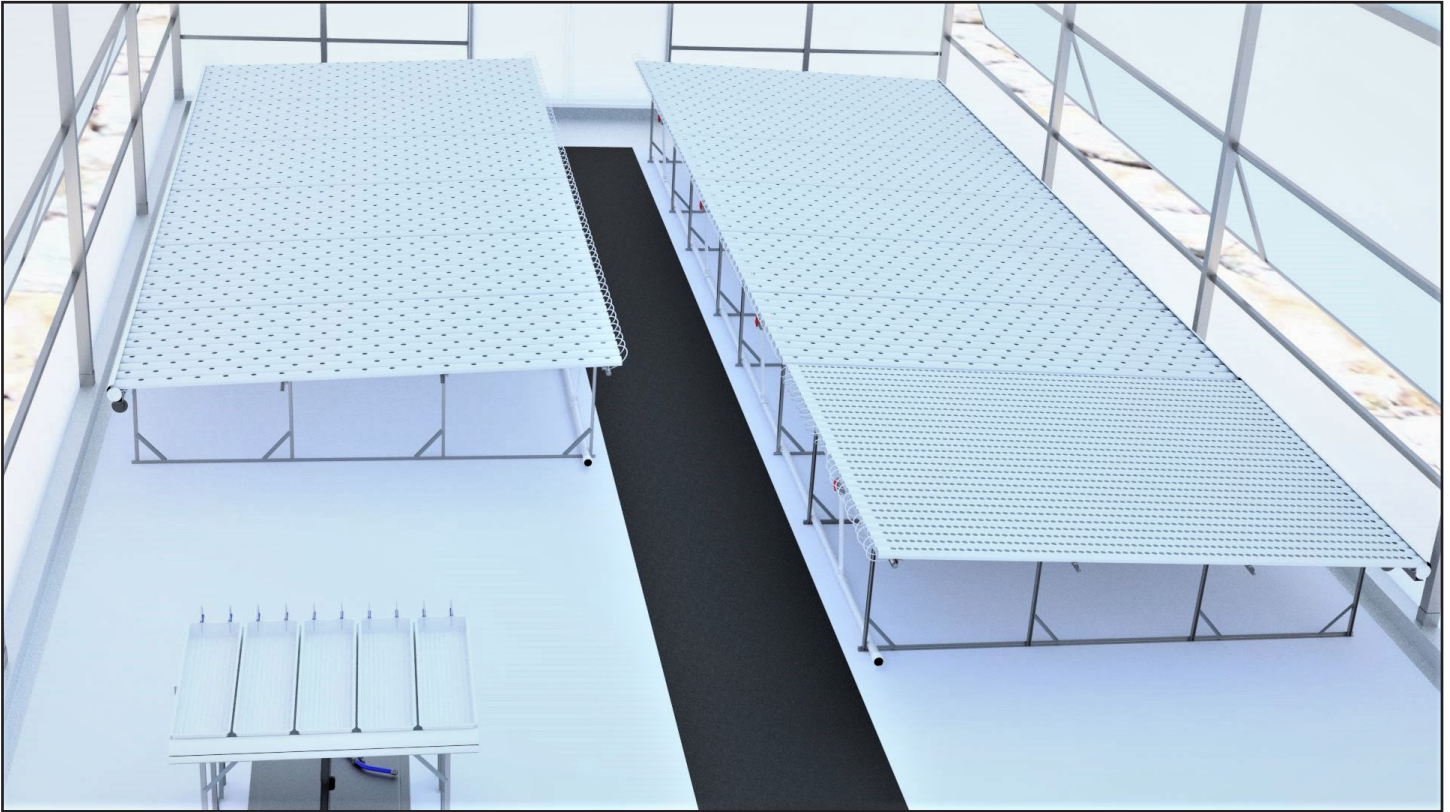
Atlas Grand Peak Greenhouse

Drawing **B** showing layout with:

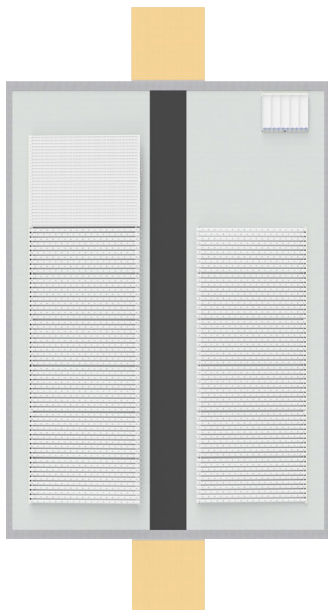
Atlas Tropical Greenhouse



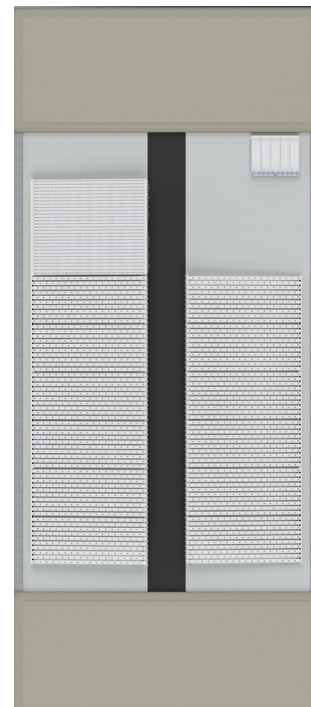
## Get Growing 4K System



### Get Growing 4K System in Tropical Greenhouse



### Get Growing 4K System in Super Arch/Grand Peak Greenhouse





## Get Growing 4K - Greenhouse Options

### Atlas Tropical:

**\$18,500.00**



34' x 48' with 8' x 8' double entry insect exclusion room on either end. This greenhouse is perfect for any tropical environment to cope with high temperatures and humidity. Structure protects your crop from excessive rain and has a roof vent that is "always open" to allow natural convection around the clock. Roof is double poly and structure has insect screen on all sides. Includes HAF fans for ventilation, Four 3 foot wide doors, 51% shade screen and climate controller.

### Atlas Grand Peak

**\$63,000.00**



30' x 48' with double entry 30' x 12' insect exclusion rooms on either end. This greenhouse is top of the line. Structure has 12' bow spacing and pre-welded trusses that save valuable time and money during installation. This house has a 8mm twin-wall polycarbonate on roof as well as side and end walls. Structure is rated for 115 MPH wind and 25 pound snow load (pounds per square foot). Greenhouse is engineered for most climates in the US but can be modified to fit almost any growing climate. Package Includes HAF fans for ventilation, exhaust fans and intake shutters, cooling pad with automatic cooling pad, heating system, four 3 foot wide doors, shade system, CO2 burner and climate controller.

### Atlas Super Arch

**\$54,500.00**



30' x 48' with double entry 30' x 12' insect exclusion rooms on either end. Structure has 4' bow spacing and is designed for high wind and snow loads. This house has double poly on roof and 8mm twin-wall polycarbonate on side and end walls.. Structure is rated for 115 MPH wind and 25 pound snow load (pounds per square foot). Greenhouse is engineered for most climates in the US but can be modified to fit almost any growing climate. Package includes HAF fans for ventilation, exhaust fans and intake shutters, cooling pad with automatic cooling pad, heating system, four 3 foot wide doors, shade system, CO2 burner and climate controller.

## Get Growing 4K - Bundle Options

**Lighting Package** - Light up your whole greenhouse and create longer growing days during the long dark winter nights.

(18) Lighting fixtures for finishing section

- \$7,500

**Environmental Controls** - Take your hydroponic greenhouse to a whole new level of automation. Call your AmHydro sales representative for options and prices

**Construction of Greenhouse** - Get a team of professional greenhouse construction workers to build your greenhouse. Call your AmHydro sales representatives for prices.

**Assemble the growing system** - Have a team of system specialists assemble your growing system. They will do it all; from assembly of tables to setting up your dosing system. Call for quote.

**Pro Grower Subscription** - All the seeds, nutrients, and growing media you will need, delivered to your door when you need them. This subscription is priced in 3-month increments. First 3-months are included with system.

(3) cases 1" Oasis,                      (4) 20 kg batches of nutrient    (3) months of seeds    (1) buffer solution  
(2,000) plant stakes                      (3) gallons pH down                      (1) gallon Essential

- \$1,220

**Technical Consulting** - Have a AmHydro growing specialist come to your farm and really "dial-in" your system and procedures.

- \$1,500/day plus expenses

**Channel Washer** - Washing your AmHydro channels after harvest is simplified with a channel washer. This commercial channel washer is especially helpful to larger greenhouses. Standard model fits our stock 12' channels. Pressure washer required.

- \$3,450

**Pressure washer options:**

- \$2,500 - Electric option - 3.5 GPM, 3,000 PSI, 230v, 35 amp

- \$2,250 - Gas option - 3.5 GPM, 3,500 PSI, 13HP

**Tank Heater** - Titanium L-Style heater designed to fit through the reservoir opening that comes with the Get Growing 4K Package. Heater is 4,000 watts, 240 volt, 16 Amps and single phase. Comes with a 30 amp controller to keep your water temperature at target.

- \$2,895

## NFT System Details

Our AmHydro Pro NFT system has been used in the field for over 30 years and has been refined for ease of use, longevity and versatility.

Each NFT system is comprised of 10 foot modules that connect together to make desired table length. The **4K NFT System** uses 7 of these 10 foot modules.

Each AmHydro Pro NFT module is made from **five** components that have been designed and refined over 30 years.

**TABLE FRAME** - Table frames are made from 10ga to 18ga galvanized steel that come pre-drilled for ease of assembly. Table frames are put together using a 5/16" hex bit, power drill and speed square.

**FEEDER** - Each feeder manifold feeds a 10' section of table and is made from virgin LDPE plastic. These manifolds feed from the center for even pressure. Each manifold comes with a clean-out fitting on each end for maintenance and is controlled with a heavy duty PVC ball valve. Our leak-proof AmHydro grommet secures a 1/4" micro-tube for even delivery to each AmHydro channel. No glue is required when assembling feeder for ease of assembly and maintenance.

**COLLECTOR** - Each covered collector returns nutrient water from a 10' section of table and is made from dual-wall LDPE pipe. Collectors have a hinged cover to keep sunlight off draining end of channels. No glue is required when assembling collector for ease of assembly and maintenance. Our AmHydro Drip Cap is attached, in conjunction with each collector, to eliminate leaks.

**FINISHING CHANNEL** - Finishing channels are 144" long and come with 1.75" holes on 7.75" center's. There are 18 holes per channel. Our channels are made from 100% virgin FDA approved HDPE.

**NURSERY CHANNEL** - Nursery channels are 144" long and come with 1.6875" holes on 2" center's. There are 72 holes per channel. These channels are also made from 100% virgin FDA approved HDPE. Both channel types are ready to use, right off the pallet.



## Tank House Components

The tank house components are the heart of the NFT system. These components can be housed inside the working greenhouse or in a separate building we term as head house. We can source the main reservoir, 500 gallon - below grade, but usually recommend the grower to source due to shipping requirements.

**INTELLIDOSE CONTROLLER (ID)** - The ID takes care of your reservoir so you don't have to. This unit will monitor the pH and Nutrient concentration (EC/CF) of your working solution and make the necessary adjustments.

**STOCK TANKS** - Nutrient stock tanks are made from thick HDPE and will last a lifetime. pH stock tank is made to withstand breakdown from acidity of pH adjuster.

**PUMP** - The *4K NFT System* uses (1) 1/2HP pump. We use Max-E-Pro centrifugal pumps made by Sta-Rite for durability and longevity. We always include an extra pump.

**FLOAT VALVE AND WATER METER** - Float valve is a 3/4", 37 GPM Kerick valve and the water meter measures how much water your system is using per day/week.

## Propagation System

We have a handful of propagation systems. The *4K NFT System* utilizes the Get Seeding 5-tray propagation system. This system is the perfect size and most importantly, provides the necessary number of propagation sites to feed your nursery channels. All of our propagation systems are recirculating and use our commercial grade AmHydro propagation trays (cMPT). The Get Seeding 5-tray Propagation System is a stand-alone system that comes complete with everything required

The propagation stage is one of the most important as it sets the pace for your harvest times. Strong seedlings make for quicker crop turns. The *4K NFT System* comes with a bottom heat package to keep your seedling at optimum temperature.

## Growing Supplies

**NUTRIENTS** - Our mineral fertilizers are manufactured right here at AmHydro and have been used in the field for over 25 years. Our two-part powders are made from the purest commercial grade minerals that follow California's strict guidelines on standards and quality. The **4K NFT System** comes with a 3 month supply (4 cases).

**GROWING MEDIUM** - We offer exclusively Oasis propagation cubes manufacture my Smithers Oasis. We have found them to be the most reliable and consistent and the easiest to work with. The **4K NFT System** comes with 1" LC1 Oasis.

**BUFFERS** - Standard 4&7 buffers for calibrating pH probes on DBC controllers and hand-held meters as well as standard 27.7 calibration solution for CF probes.

**pH ADJUSTER** - Standard food grade 10% pH down and pH up.

**WATER TESTING** - The **4K NFT System** comes with (3) water tests. One will be used in the very beginning to see if water treatment is necessary. The remaining (2) are for monitoring the nutrient balance within the recirculating NFT system.

**SEEDS** - The **4K NFT System** comes with high quality, pelleted seeds. We provide enough for 3 months supply.

## Growers Support - The AmHydro Advantage™

All AmHydro systems are designed and manufactured to be the best in the industry. The equipment purchase, however, is only a first step in setting up a successful hydroponics business. That is why the **4K NFT System** come with AmHydro Advantage™, a specialized service and support program aimed at giving you the information you need.

Grower/Technical Support: American Hydroponics provides the grower with growing and technical support regarding any phase of the Hydroponic System for a twelve-month period commencing the date the customer receives system. Grower and technical support will be provided through faxes, email, Skype, and/or telephone communication. Our support covers installation assistance of the hydroponic system and includes advice/recommendations related to seed selection, propagation techniques, crop turn strategy, ergonomics, nutrient/water/tissue analysis, problem resolution, environmental control, how to anticipate and address upcoming climate change adjustments, packaging and general marketing strategies. Our goal is to maximize crop production at every stage and assist growers in becoming competent and successful in their growing operation. Extra charges for site visit, travel, custom parts and systems.