

To replenish optimal water levels, add more premixed (1/2 teaspoon/gal) nutrient solution if the level drops below the middle rib on the level indicator. (DO NOT EXCEED 1/2 TSP/GAL)
Unplug the cap and allow all of the old nutrient solution to drain out. Flush the system with clean water from the top of the containers between reservoir changes to prevent the build up of debris and nutrient residue. Plug and refill to the proper level with fresh nutrient solution

Increase nutrient concentration sparingly through trial and error to achieve faster growth rates. Plants will respond differently to various nutrient programs and regimens.

If your plants are not looking healthy, you may need to check your pH value in the reservoir water. pH is the measure of how alkaline or acidic the nutrient solution is. Plants do best when the pH is between 5.5-6.5, slightly acidic.

When solution is out of this range the plants may have a hard time absorbing nutrients.
Check the pH of the nutrient solution, not just your plain tap water. Straight tap water is usually slightly alkaline (pH = 7-8). Adding the nutrient may drop pH down into the proper range bypassing the need for adjustment.

TEMPERATURE & AIR CIRCULATION

Most plants prefer a temperature between 60° and 90°, with 70° and 80° being closer to optimum. Using a fan periodically will keep temperatures down when it is too hot, strengthen the plants, and freshen the air if you're growing in an enclosed area. Avoid excessive temperatures to the reservoir as this could promote negative bacterial growth.

LIGHTING

The more light you provide to your plants, the faster they will develop under ideal conditions. Make sure the walls of the growing area are white or lined with a highly reflective material such as Pro™ metallized film. This will help to get more of the light distributed to the plants below canopy range in turn increasing their growth rates.

REUSING YOUR HOMEGARDEN SYSTEM

You can reuse your Homegarden system as many times as you like, year-round, as long as you have good lighting, and uphold proper maintenance to the system. After you've harvested your crop, soak the Geolite in a tablespoon-to-a-gallon mixture of chlorine Bleach or peroxide for a day; then thoroughly rinse garden components and the Geolite for 5-10 minutes, reassemble and start over again.

SUPPORT STAKE TUBES

Support stake tubes are designed to hold a rod or plant stake (not included) to help support your taller plants.

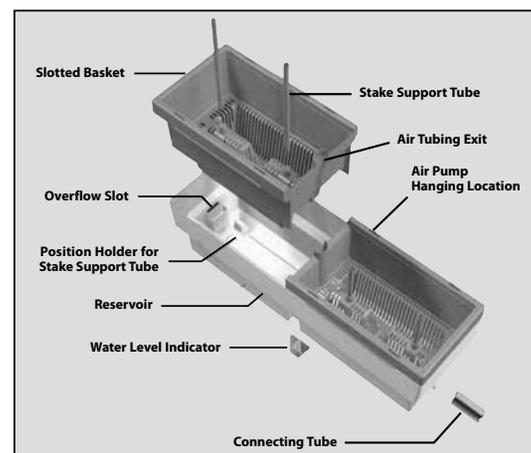
MODULE JOINING TUBES

These two green tubes (different sizes) are for joining 2 or more Homegarden modules together. Connecting multiple units together allows the reservoir capacity to be shared and allows refilling to be done at any Homegarden. For best results, choose similar crops to ensure uniform productivity and results. Ex. (tomatoes, peppers, squash, etc) versus (Basil, lettuce, tomatoes, peppers growing off the same reservoir water).

Homegarden™

HYDROPONIC GROWING SYSTEM

INSTRUCTIONS



HOMEGARDEN INSTRUCTIONS

PARTS LIST

1	Reservoir	1	Air Pump
2	Slotted Containers	1	"S" Hook
4	Grey Support Stake Tubes	1	Air Tube Assembly
2	Green Tubes (for joining modules)	2	Moisture Mats
12	Seed Starter Cubes	2	bags Hydroton Aggregate
1 pt	Flora Nova Nutrient		

LOCATING YOUR HOMEGARDEN

Your Homegarden will do best in a well-lighted location, either outdoors or indoors under grow lights. It is a good idea to place your garden up on a bench, table, or a surface that will be high enough to allow the system to be periodically drained (at least every 1-2 weeks) into another container.

ASSEMBLY

After unpacking your components, make sure the pre-installed air tube assembly is in place in the bottom of the reservoir with each end inserted into the plug holes.

1) A patio or deck is a good place to rinse your geolite. Pour one bag of geolite into one of the containers. Rinse away from household plumbing and drains to avoid clogging the pipes.

2) You may want to rinse the 2nd bag and put it into a separate container, i.e. bucket or pail. After rinsing one bag of Hydroton, prepare the other basket for planting as follows:

- a) Place empty basket in reservoir. (FIG. 1)
- b) Install your support stake tubes into the holes in the center of the baskets (as shown in FIG. 1) making sure that they are centered in the depressions at the bottom of the reservoir. (It is alright for the aeration tube to bend around the support stakes.)
- c) Lay in moisture mat, pushing it down into the basket until conforms to the inside of the basket. (FIG. 2)
- d) Pour Hydroton from rinsed basket to approx. 2" below indicator line. Fold one side of the moisture mat over, align holes and push down over support stake tubes. (FIG.3) Follow the same procedure with the other side of the mat.

Repeat steps a-d with the 2nd bag of Hydroton and 2nd basket.

3) Hang the air pump (with S hook provided) on slotted insert on basket (hanging outside of reservoir) making sure it's on the back side of the reservoir, opposite the water level indicator. Connect the black air tube to the top of the air pump. When installing the 2nd basket, have the black air tube come up through the hole created by the slotted baskets.

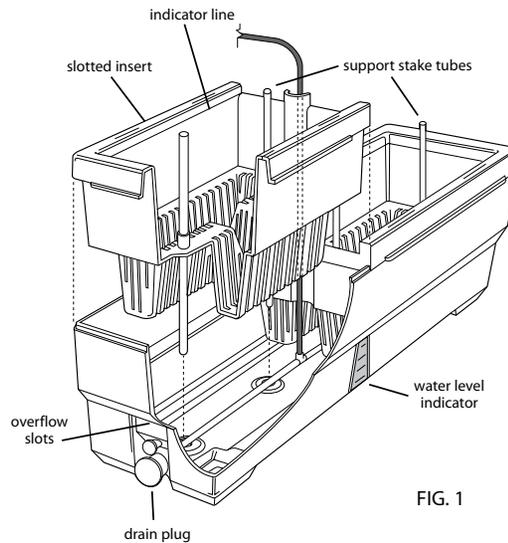


FIG. 1

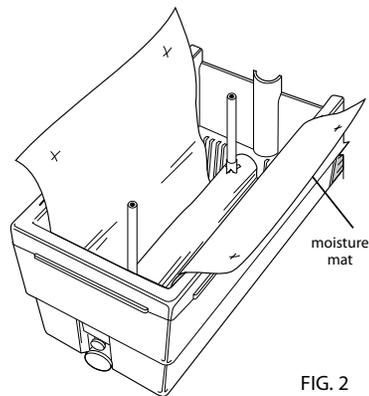


FIG. 2

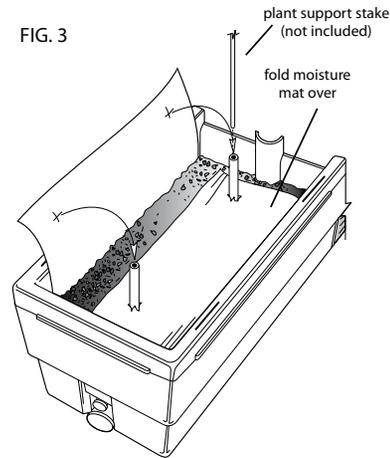
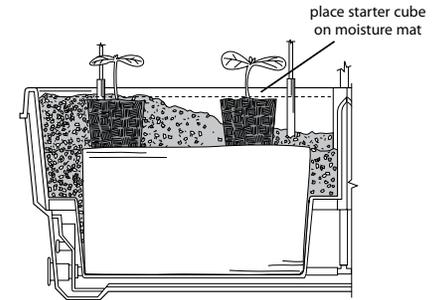


FIG. 3

FIG. 4



PLANTING SEEDLINGS

When you're ready to plant your seeds, soak each starter cube in a premixed solution with a pH value of 5.5 to 6.5 for 24 hours to saturate and condition. Place one or two seeds directly into each starter cube. Keep starter cubes lightly moistened in a propagation tray until white roots begin to start sprouting from the base of the cube.

Providing warmth and light from a sunny window, Hydrofarm T-5 lighting system or an Agrosun® grow light, will enhance seed germination.

To plant an established seedling, place it (with roots and plant intact) into the aggregate so that it is touching the moisture mat. Gently pour aggregate around the seedling to fill in. Be sure to plant seedlings so that the base of their stems is at the same level as the aggregate surface. If the plantlet is established in soil, remove as much as possible without physically disrupting the root mass.

To initially fill your reservoir, premix approximately 1.25 gallons (5 liters) of nutrient solution at the rate of a 1/2 teaspoon per gallon. Adjust the pH value between 5.5 and 6.5; pour the solution down through the Geolite, filling the reservoir.

The nutrient solution should be checked regularly. Make sure to maintain the solution level between the bottom and top marks on the water level indicator, as well as ensure pH levels are stable and adequate.

MAINTAINING AND CHANGING YOUR NUTRIENT SOLUTION

At least every 1-2 weeks, the reservoir should be drained and refilled with fresh nutrient solution.