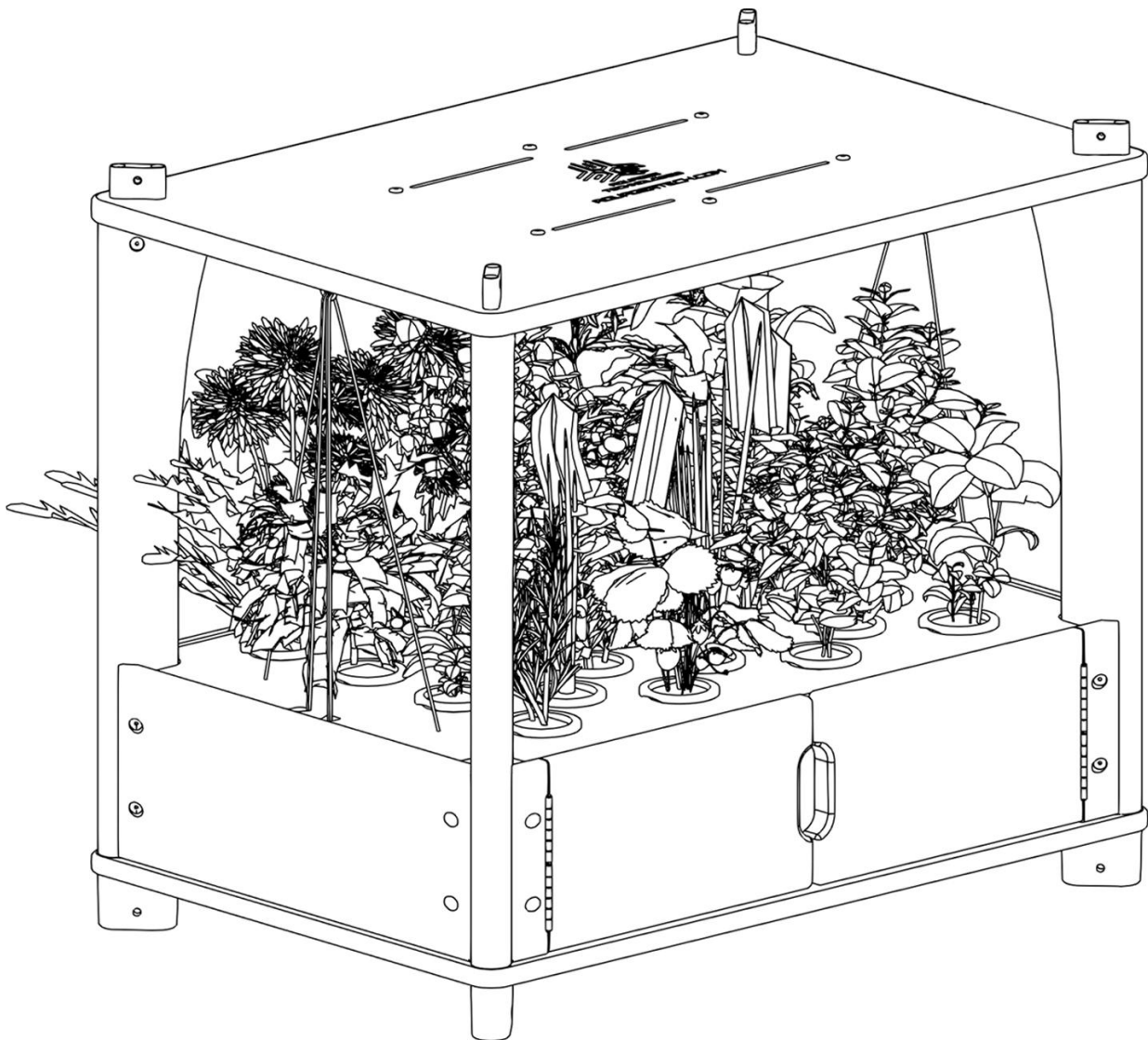




Hydroponic Home Farm Instruction & Maintenance Manual



Contact Us:
contact@aquagertech.com

V1, Batch 1, Spring 2025

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Letter from Our Founder

Dear Valued Customer,

Welcome to the Aquager family! Thank you for choosing our hydroponic home farm to bring fresh, sustainable produce into your life. We believe that everyone deserves access to high-quality, home-grown food, and we're thrilled to be part of your journey towards reducing grocery store dependence.

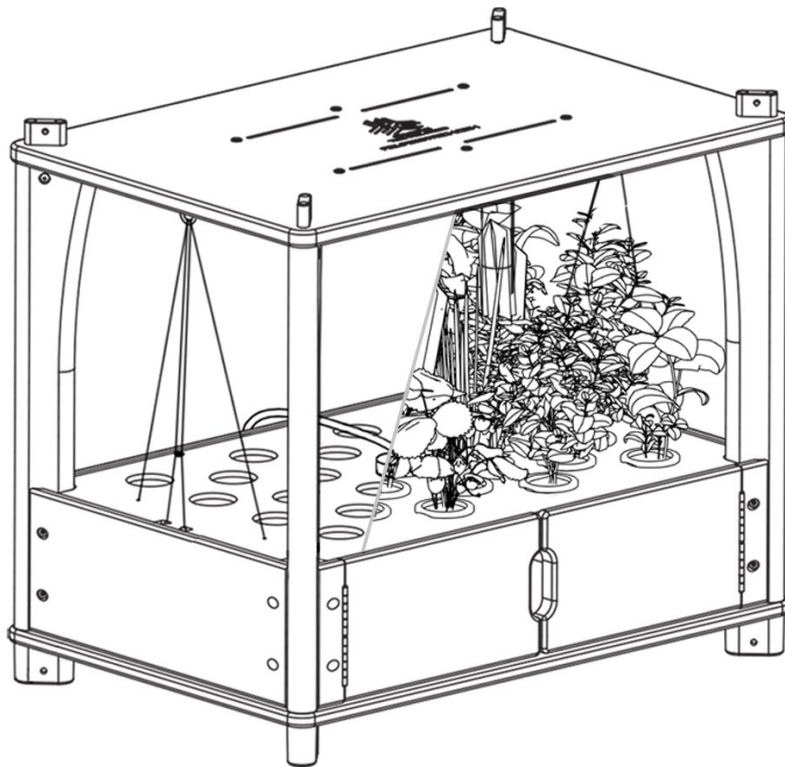
At Aquager, we've combined innovative technology with a passion for sustainable living to create a product that's both efficient and user-friendly. Whether you're growing microgreens, herbs, vegetables, fruits, or flowers, we hope this system inspires you to reconnect with the joy of growing your own food.

Thank you for trusting us to bring fresh, homegrown produce into your home. Together, we can cultivate a greener, healthier future!

Warm regards,

Jiri Zeman

Founder, Aquager Technologies



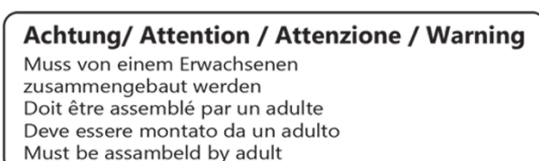
Safety Precautions

Farm and Storage

- a Adult Use Only (For ages 12 and above)**
Designed for adults. Keep away from children and supervise them near the system to avoid accidents.
- b Unplug Before Maintenance**
Disconnect power before cleaning, assembling, or performing maintenance.
- c Keep Electronics Away from Water**
Avoid water contact with electrical components. Unplug and dry thoroughly if wet.
- d Handle with Dry Hands**
Do not touch electrical parts with wet hands to avoid electric shock.
- e Secure Electrical Connections**
Ensure all cables and connectors are secure before plugging in the device.
- f Placement Guidelines**
Place on a flat, stable surface, away from heat sources like stoves or flames. Do not place heat-generating items like candles or appliances on the system or near windows.
- g Use Original Accessories**
Unit is intended to be used with products/seeds provided by Aquager Technologies Incorporated.
- h Power Cord Safety**
Keep the cord away from heat, sharp edges, and trip hazards.
- i Monitor for Damage**
Stop use if components are damaged. Contact Aquager at contact@aquagertech.com.
- j Avoid Hazardous Environments**
Do not use near aerosols, high humidity, or oxygen-rich areas. **INDOOR USE ONLY!**
- k Lighting and Power Module Replacement**
Unplug before replacing LED lights or power modules.
- l Ensure Proper Assembly**
Follow instructions to prevent leaks, instability, or hazards.

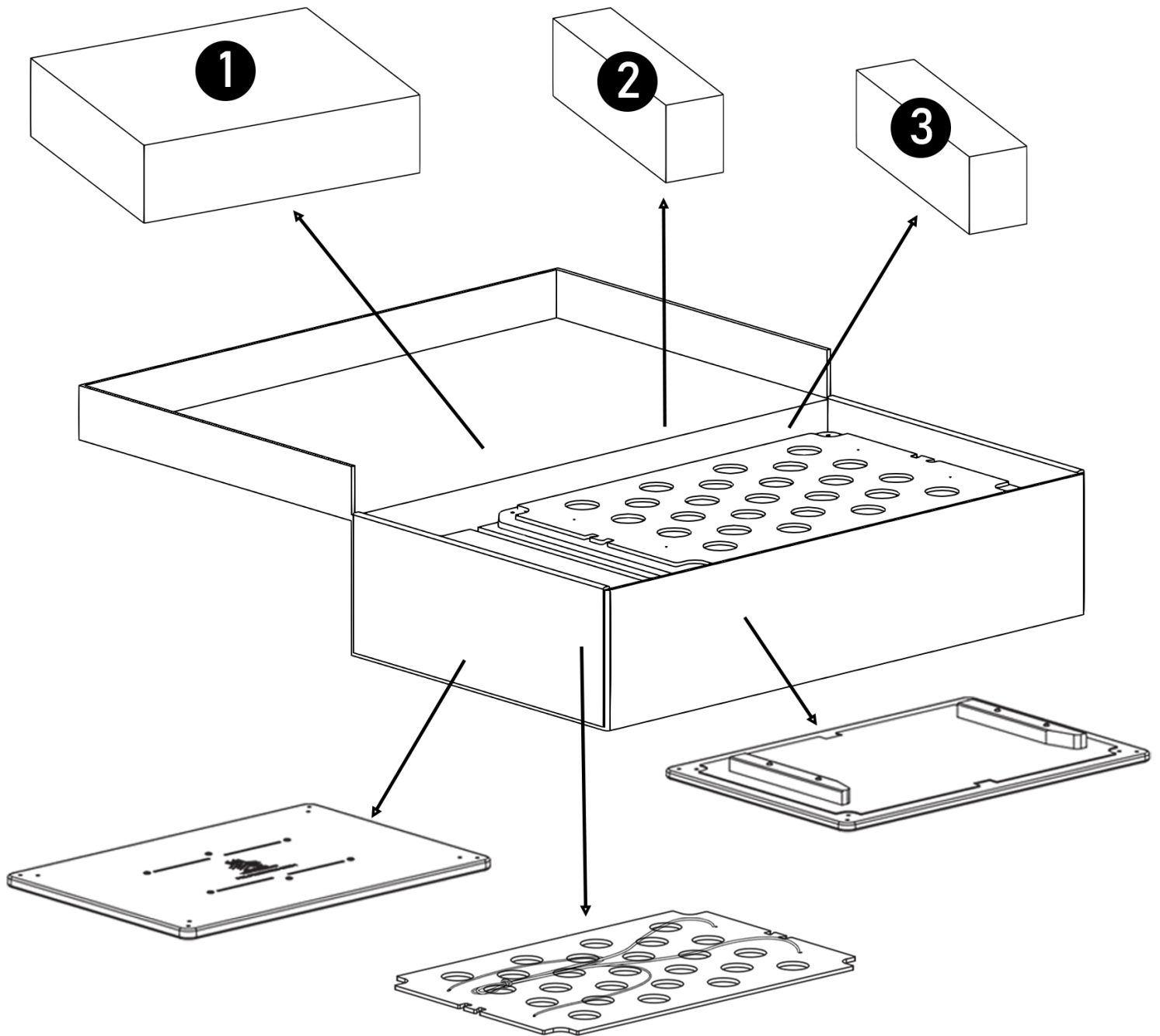
Disclaimer:

This product is not intended for the cultivation of illicit substances and/or cannabis.
The cultivation and distribution of such substances without proper licensure is strictly prohibited.

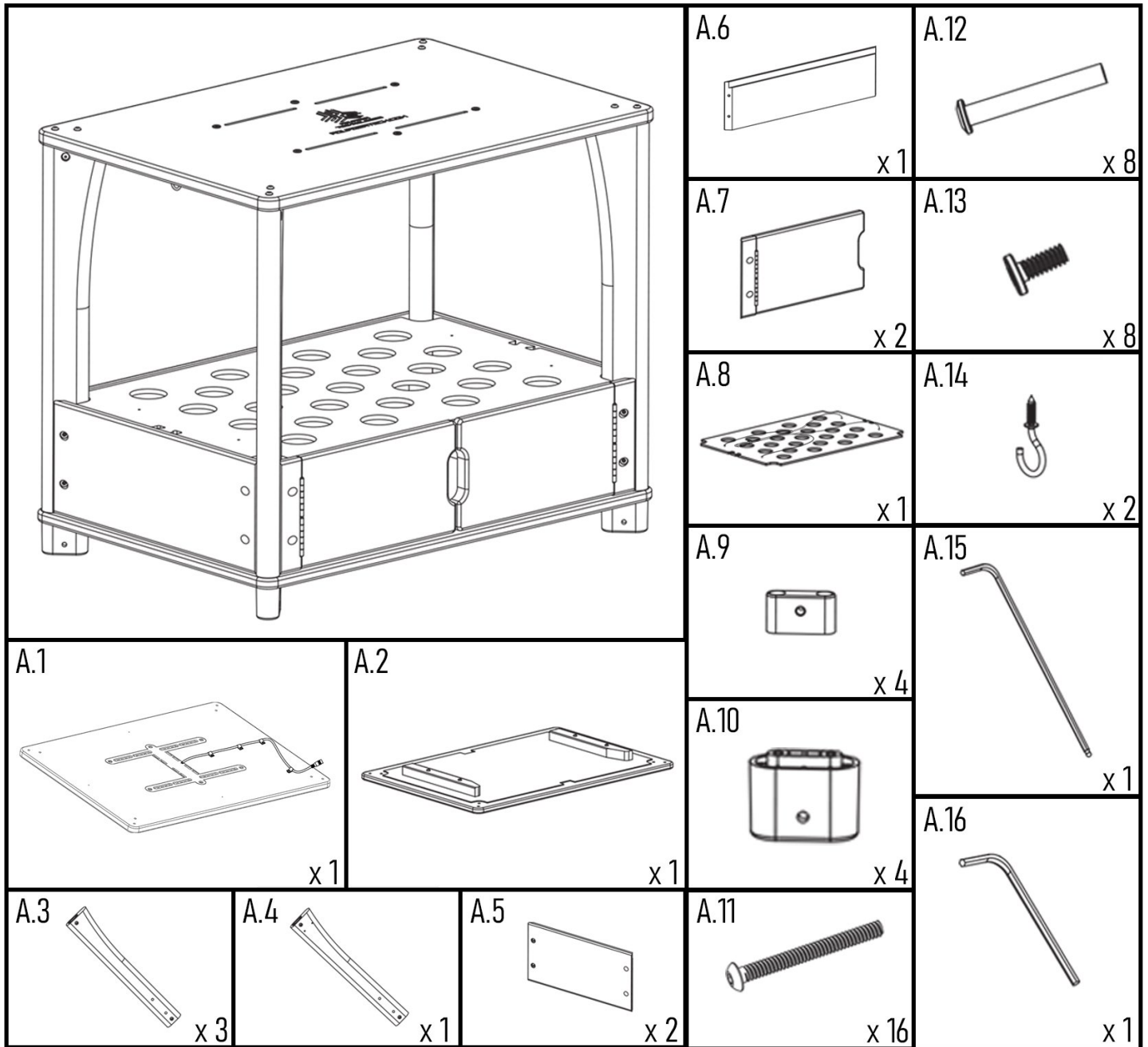


By adhering to these precautions, you'll ensure safe and reliable use of your Aquager Hydroponic Home Farm. For additional questions or concerns, please contact: contact@aquagertech.com.

Easy Assembly



List of all components (1/2)



A.1: Top Cover

A.2: Base Plate

A.3: Columns

A.4: Column with wire

A.5: Side Walls

A.6: Rear Wall

A.7: Doors

A.8: Grow Plate & String

A.9: Metal Connections

A.10: Footings

A.11: Screw M40

A.12: Screw Insert M35

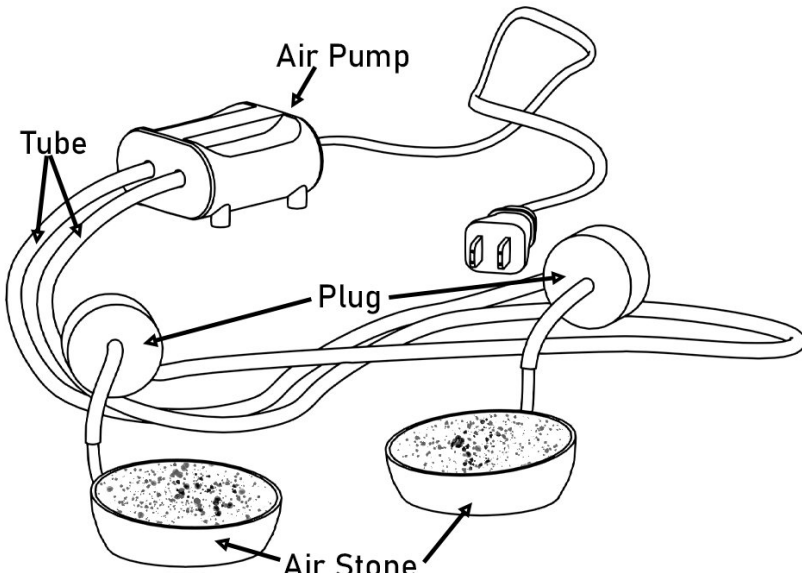
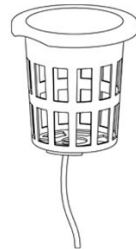
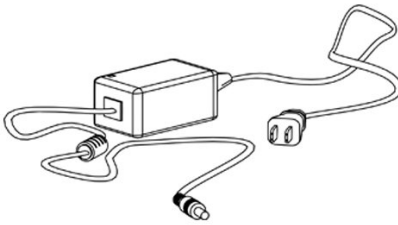
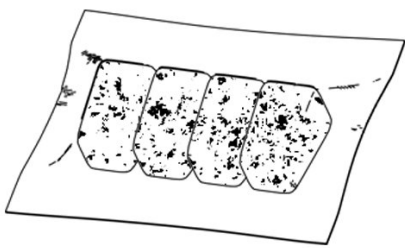
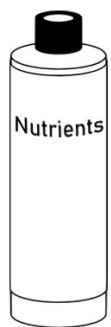
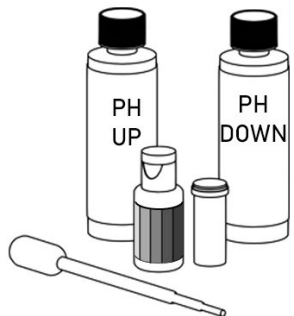


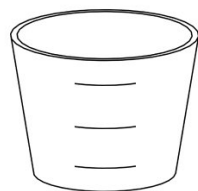
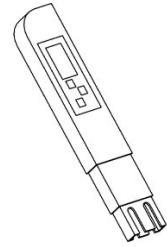
A.13: Screw M10

A.14: Hooks

A.15: Allen Key (115mm)

A.16: Allen Key (59mm)

Other Components List (2/2)

<p>B.1</p>  <p>x 1</p>	<p>B.6</p>  <p>x 24</p>
<p>B.2</p>  <p>x 1</p>	<p>B.3</p>  <p>x 6</p>
<p>B.4</p>  <p>x 1</p>	<p>B.5</p>  <p>x 1</p>
<p>B.7</p>  <p>x 10</p>	<p>B.8</p>  <p>x 24</p>
<p>B.9</p>  <p>x 1</p>	<p>B.10</p>  <p>x 1</p>

B.1: Air Pump System

B.2: Power Supply

B.3: Pre-seeded Grow Medium

B.4: Nutrients Bottle

B.5: pH Kit

B.6: Grow Cups

B.7: Cup Cover

B.8: Labels

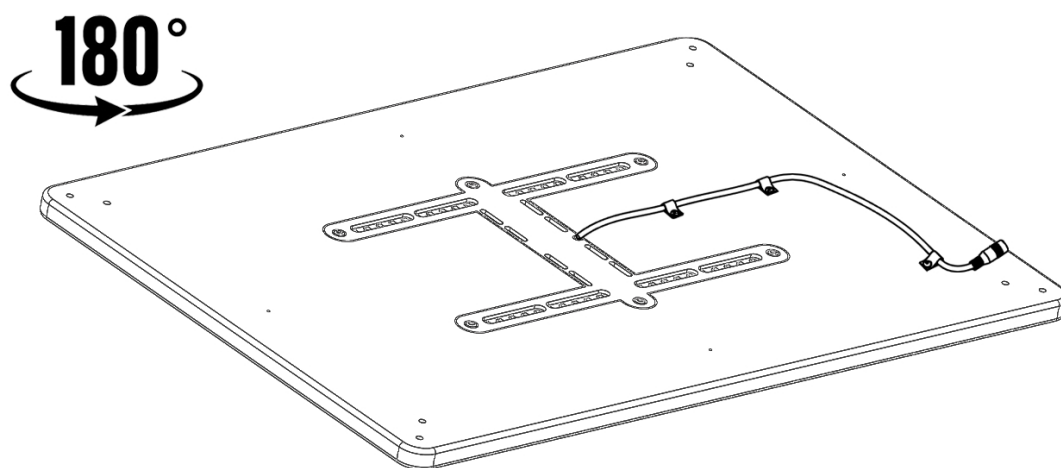
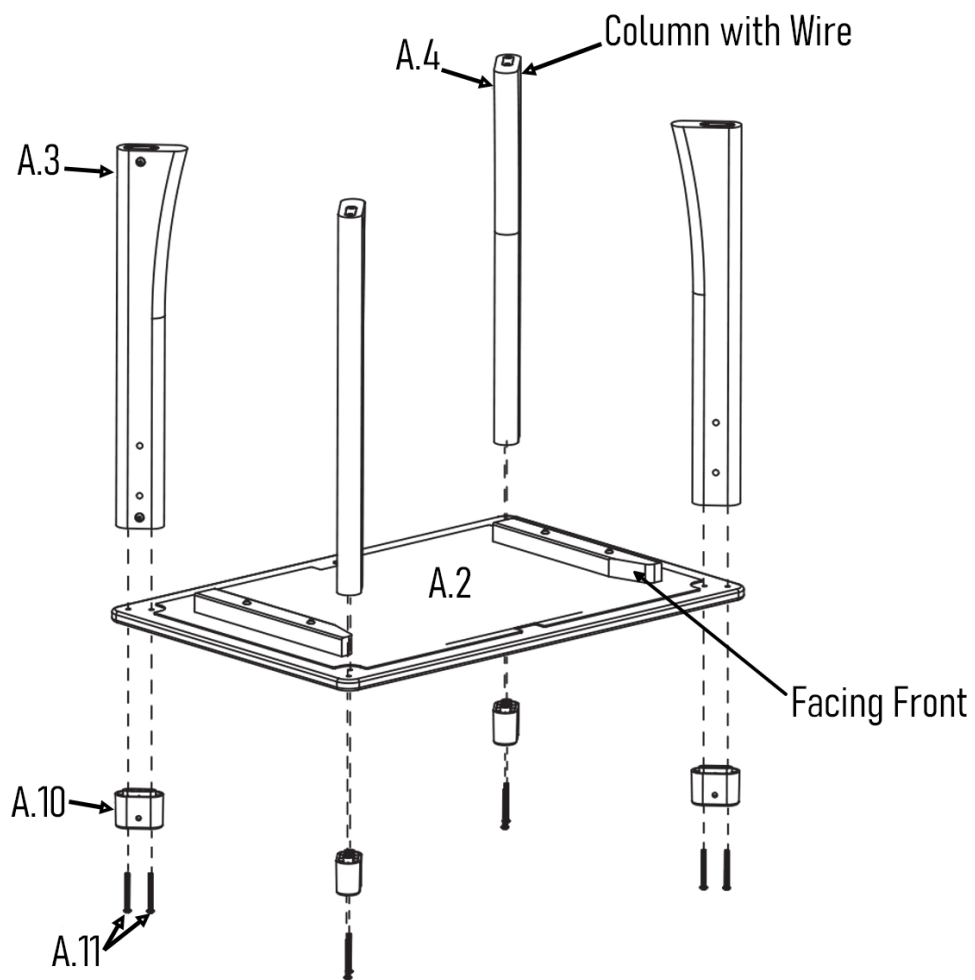
B.9: Measure Cup

B.10: PPM Reader

Assembly - Wood (1/3)

- 1** Attach columns & feet with screws.
-

- 2** Inspect for wire damage.
 - Ensure cable pointing to column A.4.



Assembly - Wood (2/3)

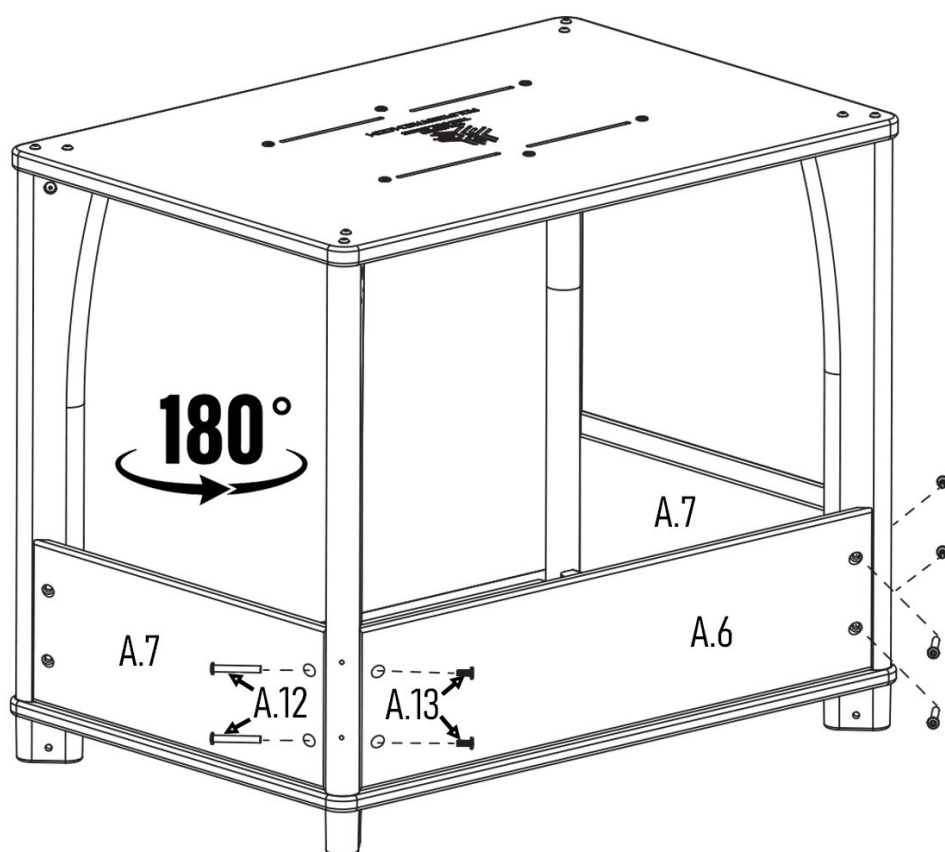
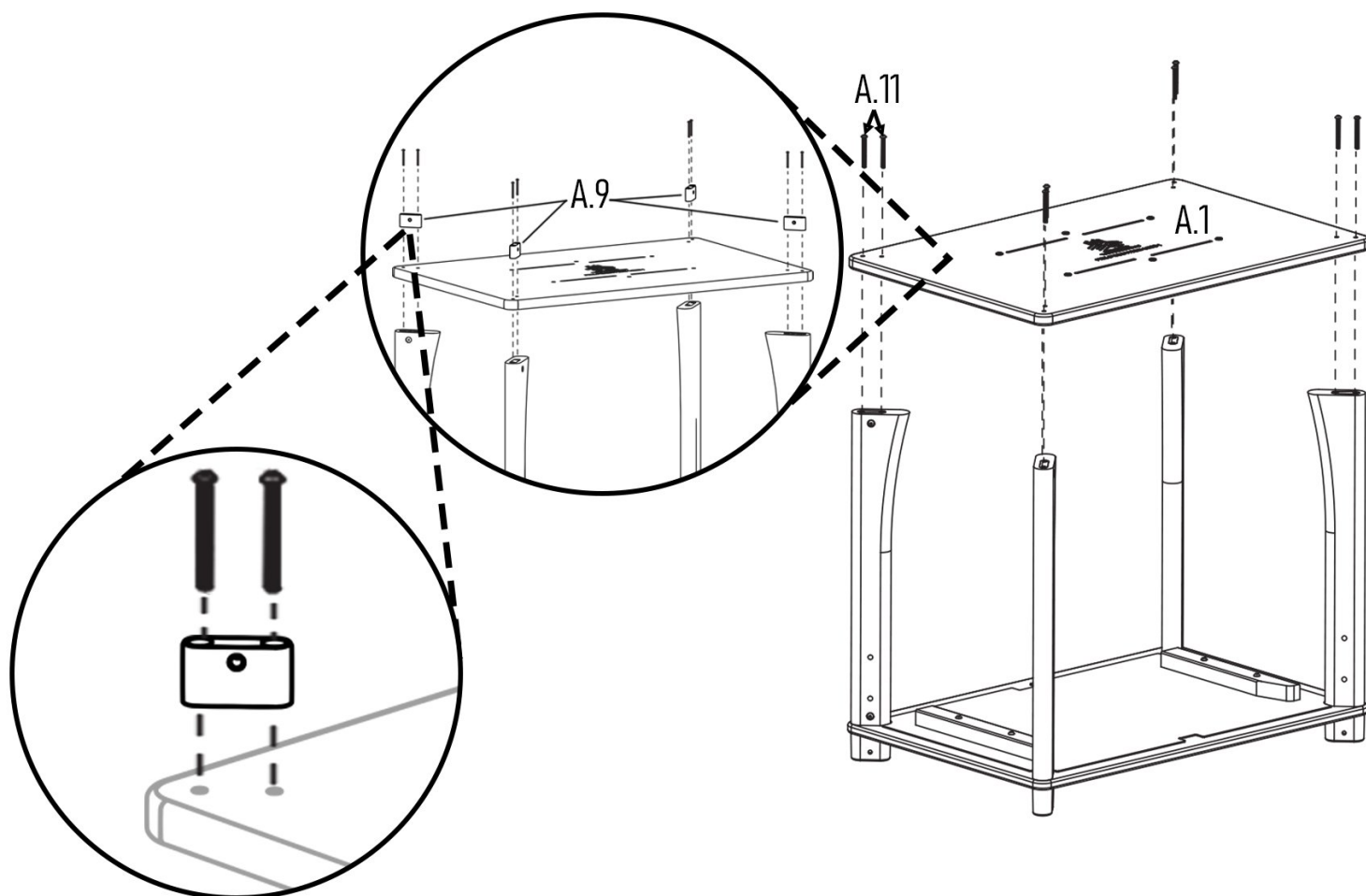
Attach top cover with screws.

3

- If you plan to stack farms, attach the metal connectors now as well.
 - The connection holes must be positioned in the upper half orientation.
-

4

Install side walls with screws.

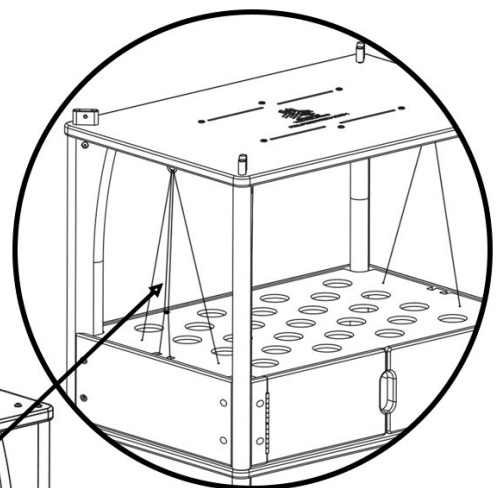
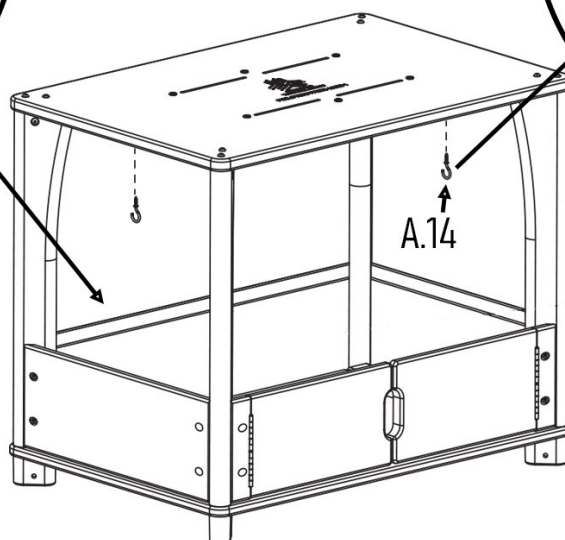
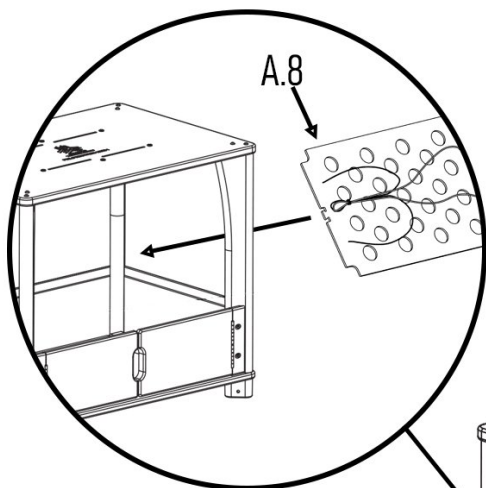
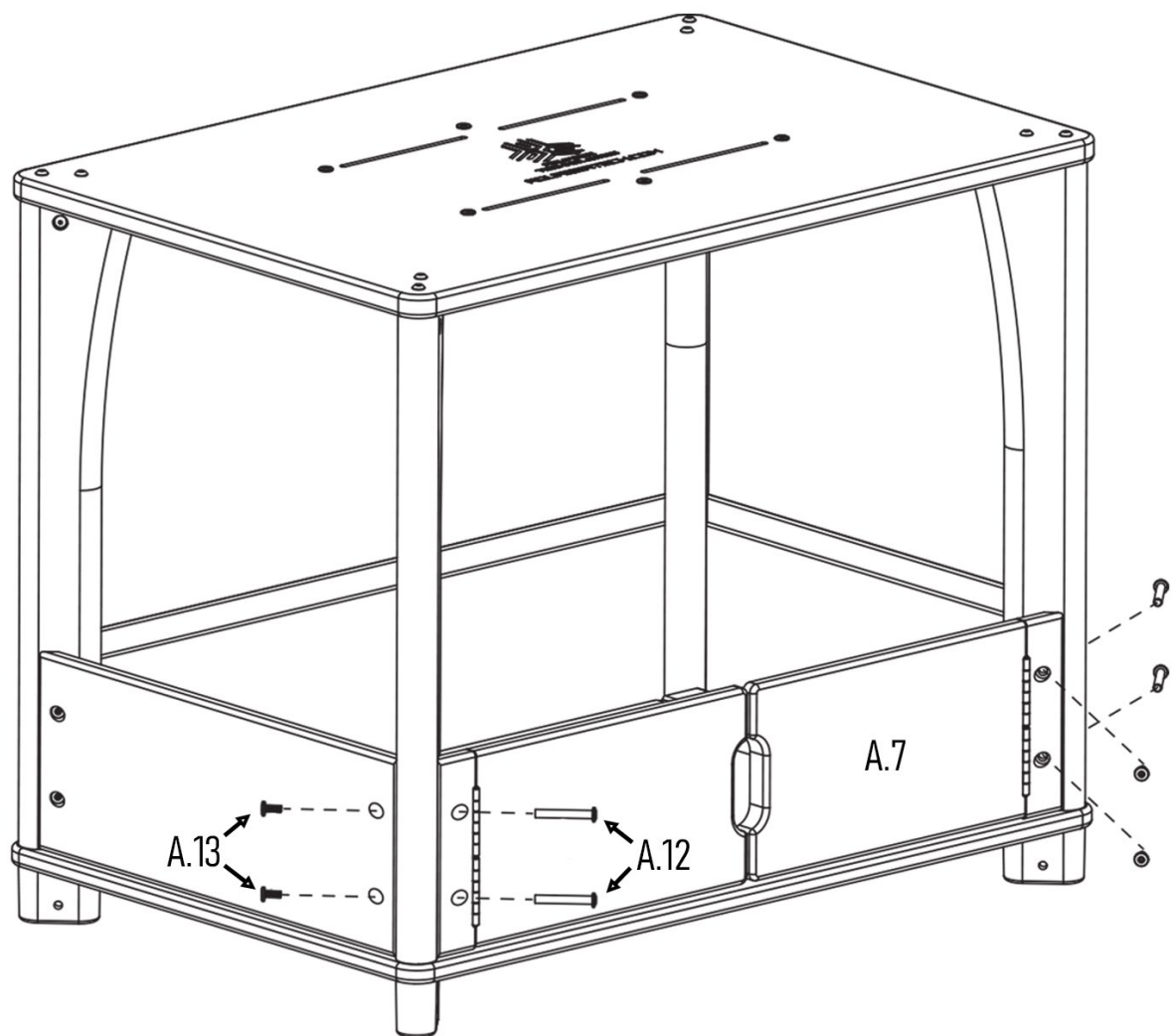


Assembly - Wood (3/3)

5 Install doors with screws.

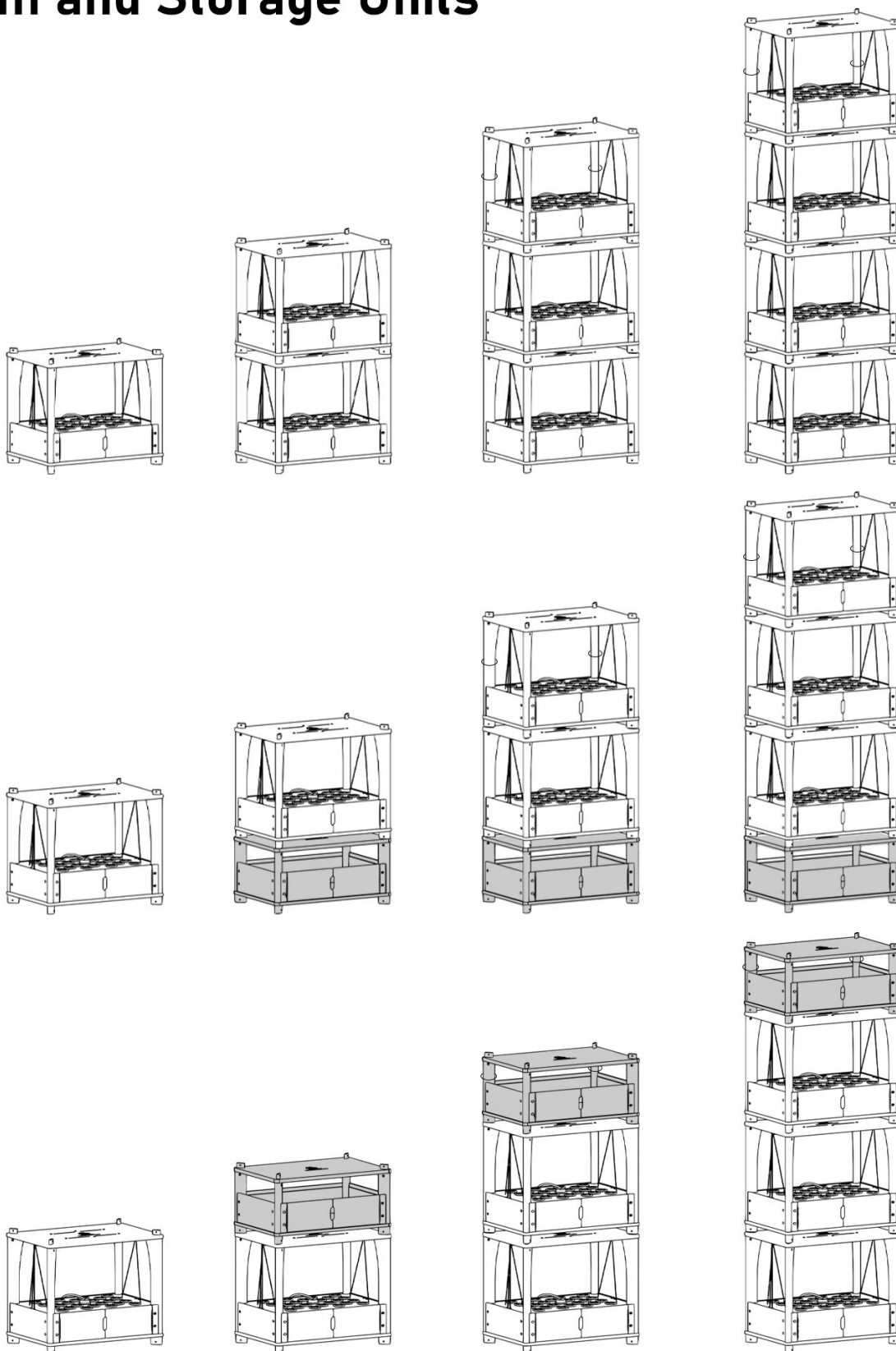
First, attach the hooks, then slide in the grow plate from the side, and finally, loop the string.

- 6**
- To attach the string, loop the longer side through the right hook, then pass both the shorter and longer sides through the left hook.
 - Finally, loop the end through the side of the grow plate to ensure it supports itself.

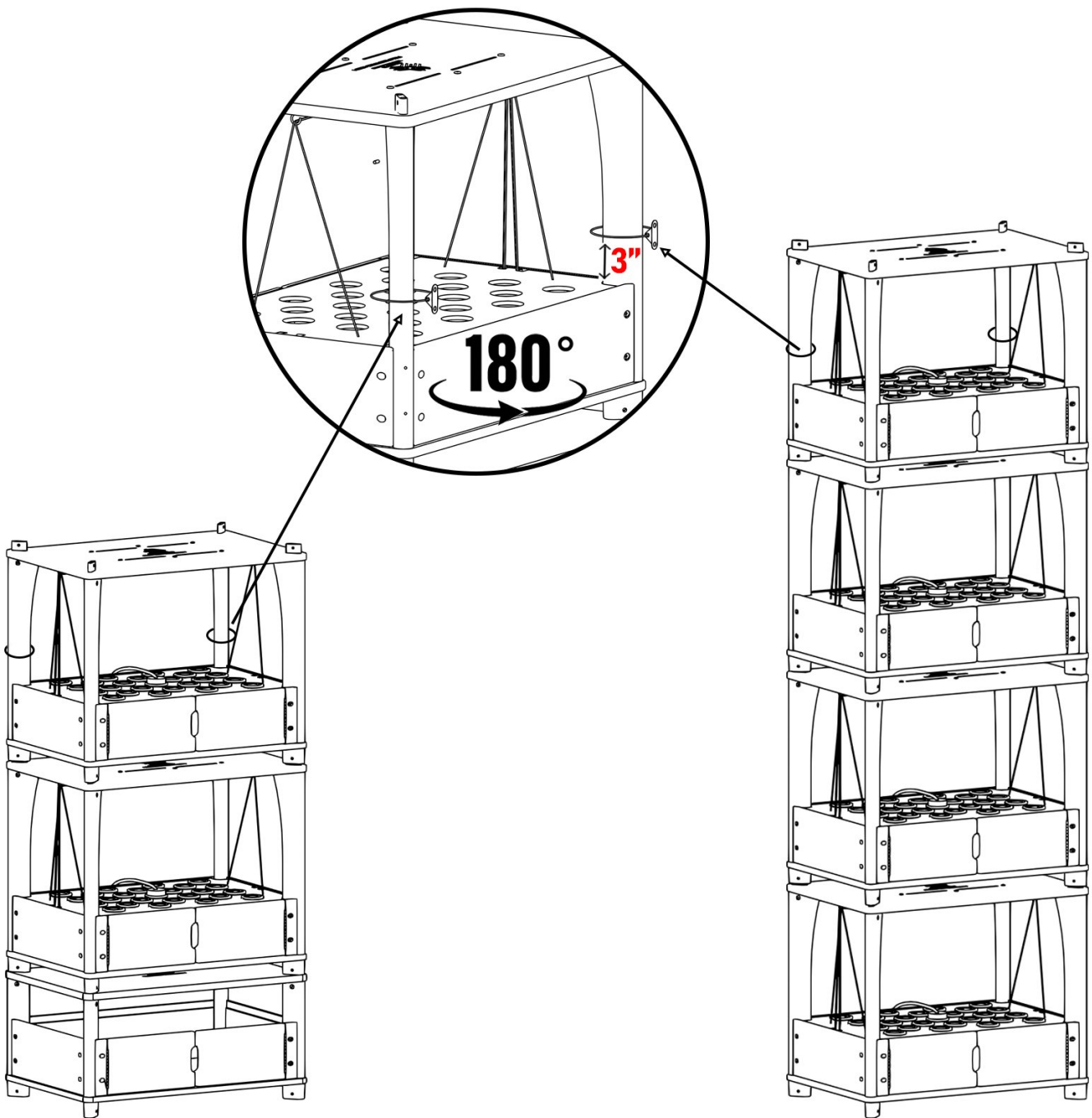


Assembly - Stacking Farms

Farm and Storage Units



- Storage units sold separately.
- You can stack a maximum of 4 farms or 3 farms + 1 storage unit!
- Wall anchors are sold separately.
- If you stack more than two farms, WALL ANCHORS ARE REQUIRED!
- Secure wall anchors 3" above the grow plate/wall.
- TAKE TRIPLE CARE WHEN STACKING!



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Stacking Farms

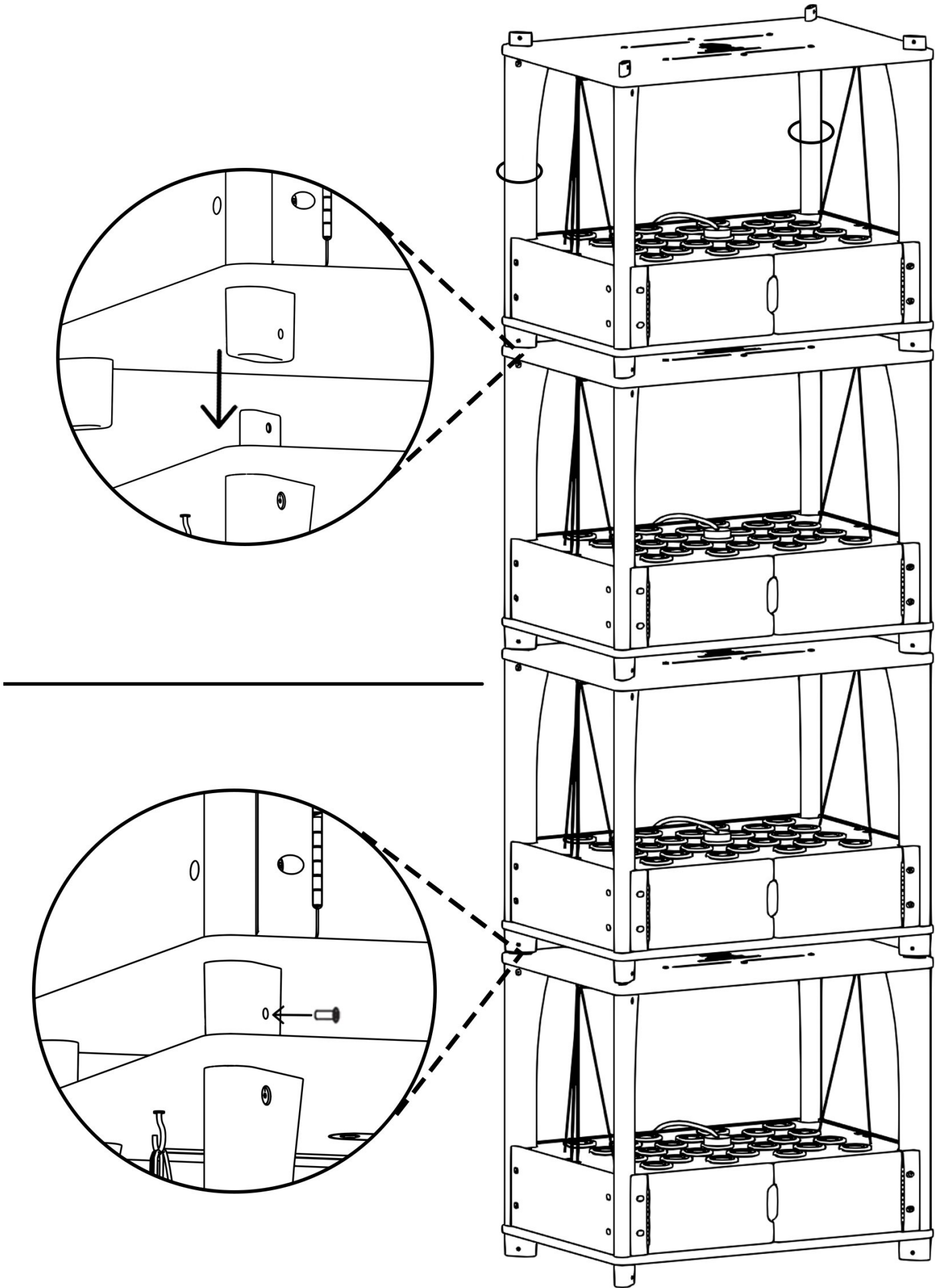
a

Place farms atop each other.

- The bottom feet of one farm should align with the top inserts of the farm below it.

b

Use screws on all 4 sides, ON ALL LEVELS.



Product Information for your convenience:

Farm Levels	x1	x2	x3	x4
Max Grow Height (in)	10	10	10	10
Height (in)	18.5	37	55.5	74
Width (in)	22.1	22.1	22.1	22.1
Depth (in)	14.9	14.9	14.9	14.9
Weight (Empty)(lb)	17.6	35.2	52.8	70.4
Power Consumption / Month (kWh)	13.65	27.95	43.07	56.28
Max Wattage (W)	18.7	38.3	59	77.1
Water Consumption (gal)	1	2	3	4
Max Capacity (plants)	24	48	72	96
Yield Amount / Month (lb)	8	16	24	32

Storage Levels	x1	x2	x3	x4
Height (in)	11.6	23.2	34.8	46.4
Width (in)	22.1	22.1	22.1	22.1
Depth (in)	14.9	14.9	14.9	14.9
Weight (Empty)(lb)	12.4	24.8	37.2	49.6

Water Tank (1/4)

Water Solution

Pull the string on the side to lift the grow plate when removing the water tank.

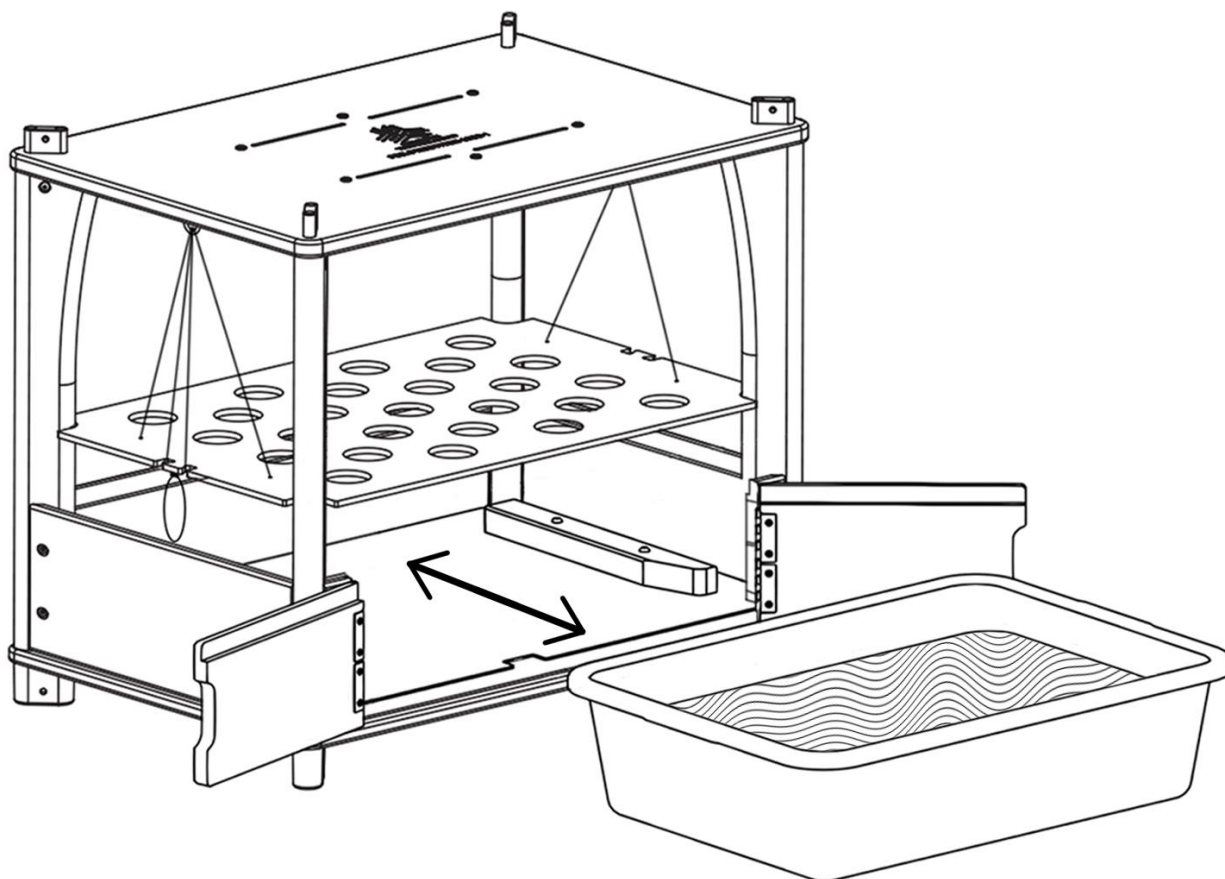
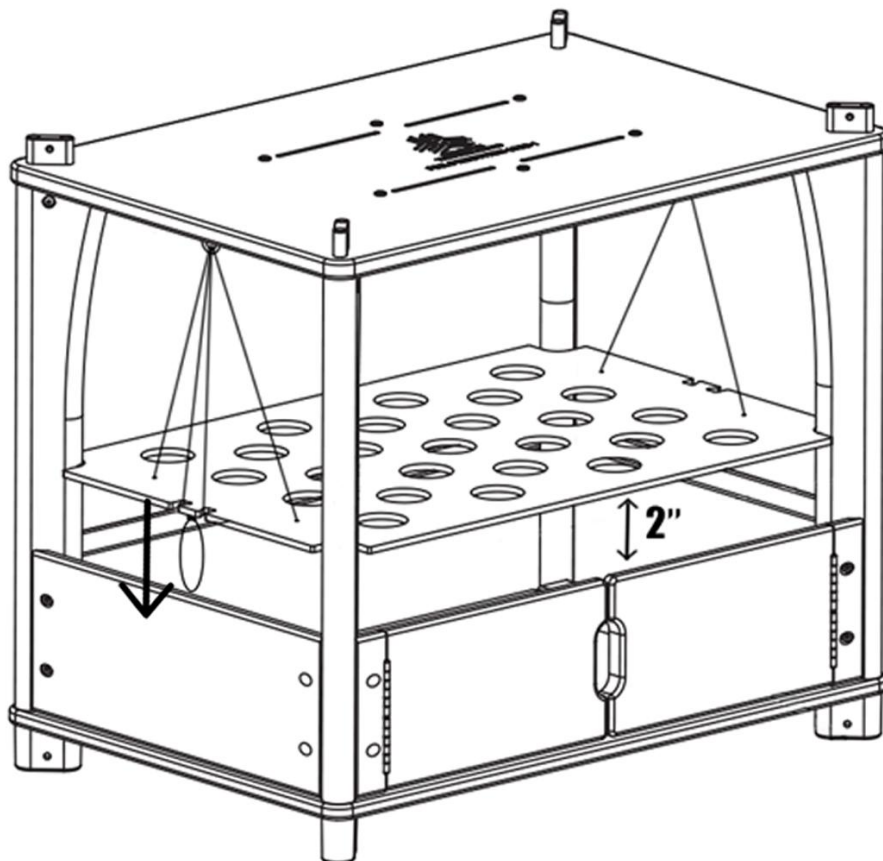
1

- The raise height is 2".
 - DO NOT RAISE HIGHER OR MAY DAMAGE PLANTS!
 - Loop the higher knot on the string around the side of the grow plate to keep it securely in place.
 - It is recommended to clean the water tank with soap every three months.
-

Prepare the water solution.

2

1. Fill Tank with 2.5" of water.
2. Ensure PH is between 5.5-6.5 (pg.25).
3. Add 15ml of Nutrients by using the measuring cup. (pg.23)
4. Ensure water level is never below 1".
5. Placed the prepared water tank back in the farm.

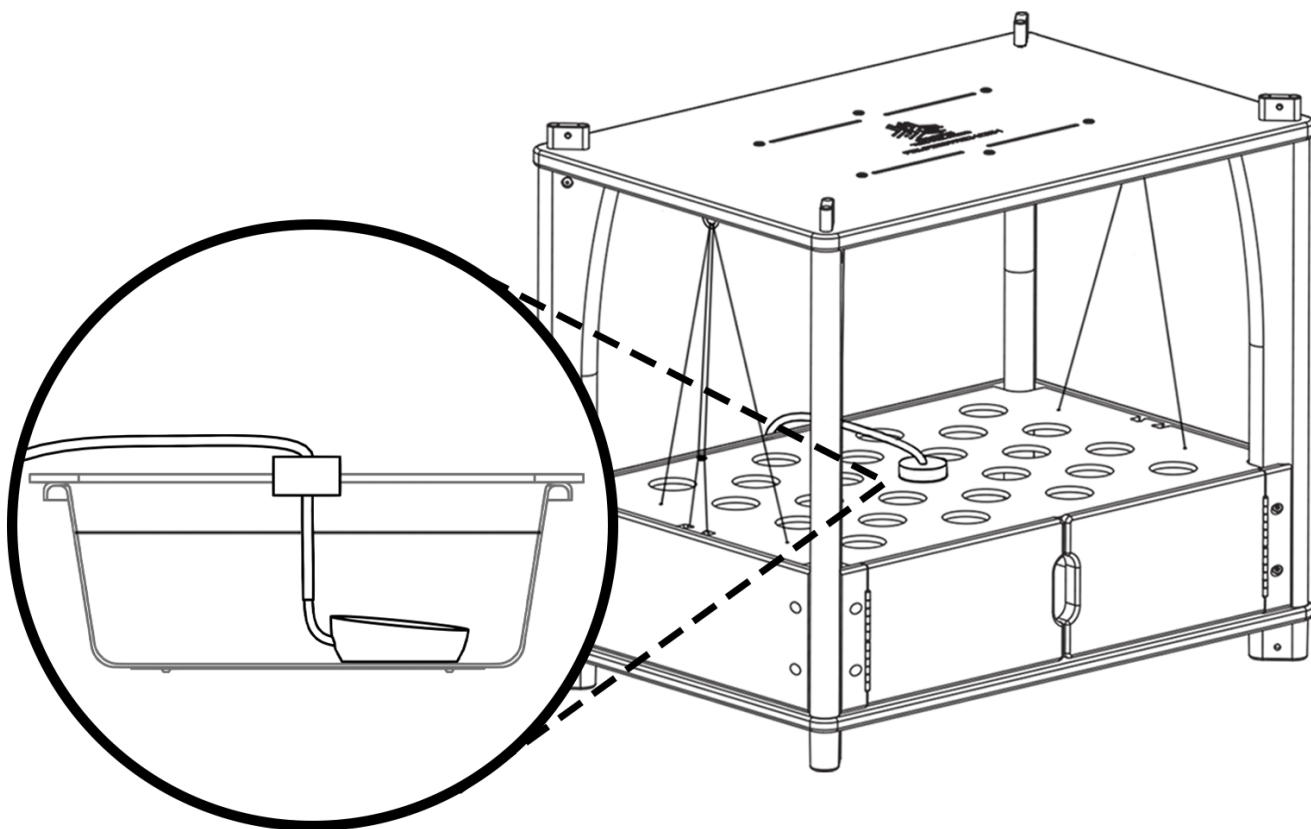


Water Tank (2/4)

Insert the air stone with the plug into the tank through the grow plate.

3

- Soak the air stone in water for at least 1.5 hours before its first use.
 - Air stone should touch the bottom.
-



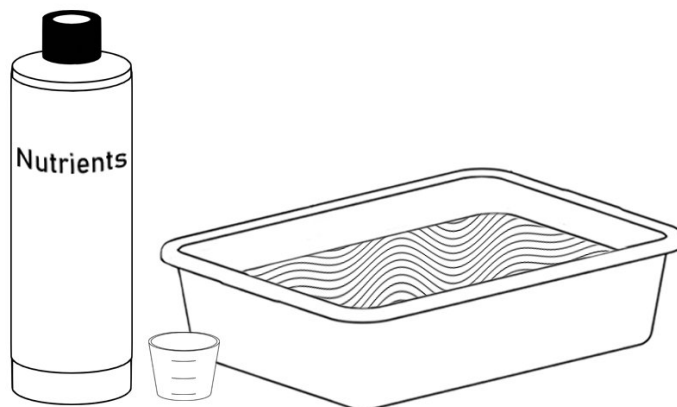
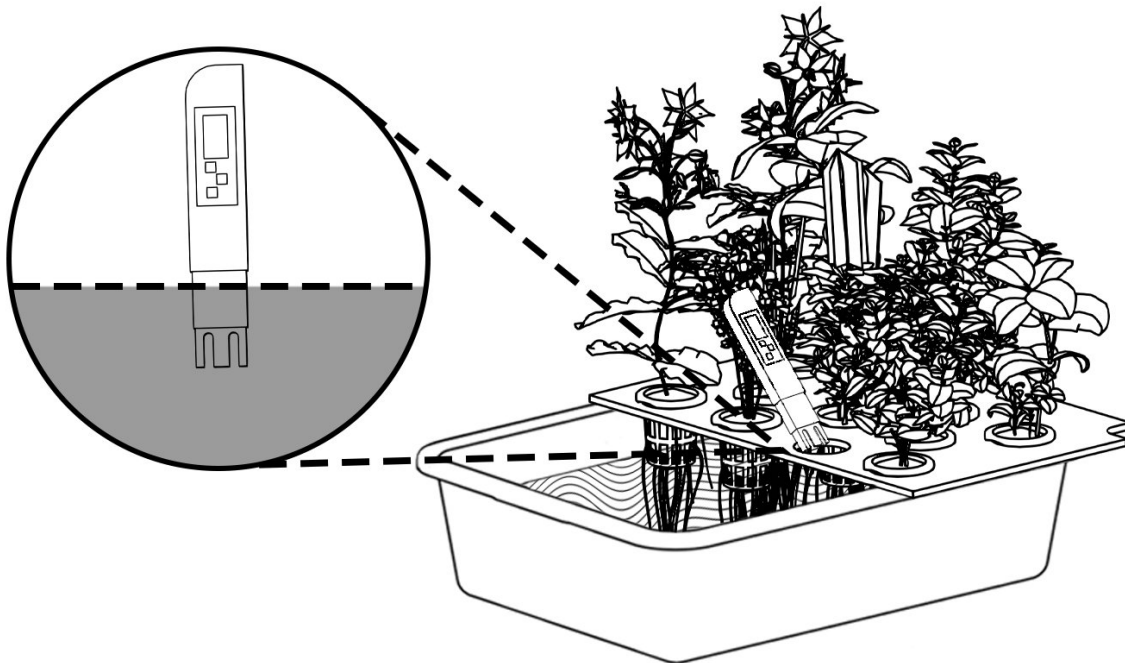
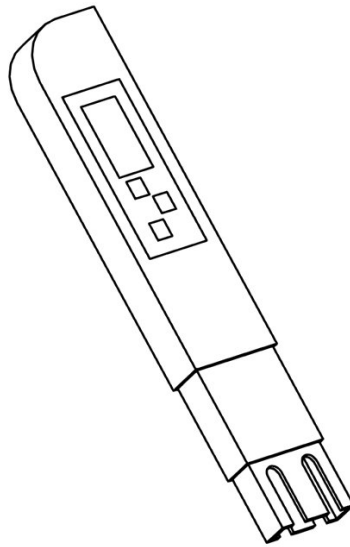
Water Tank (3/4)

Nutrients

- 4** Turn on the PPM (Parts Per Meter) Reader.
- For more measurements, follow the separate instructions included with the PPM Reader.
-

- 5** Measure the PPM.
- Do not submerge further than the line.
 - Dry the PPM reader after each use!
-

- 6** Add Nutrients if necessary.
- Target between 200-800 PPM.
 - 15 ml of nutrients = about 300 PPM.



Water Tank (4/4)

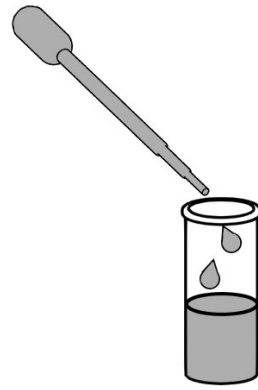
pH Adjustment

- 1** Take a sample with the pipette.
- 2** Fill the vial halfway.
- 3** Add 4 droplets from pH bottle (green liquid) into the vial.
- 4** Shake.
- 5** Compare the sample color with the colorful strips on the pH bottle.

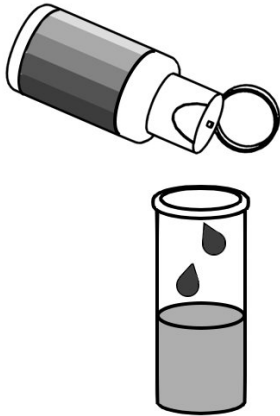
Use the pipette with pH Up/Down until a pH level of 6 is achieved.
- 6**
 - Recommended pH: 5.5-6.5 at all times.
 - Clean the pipette with clean water between each use so it does not affect your readings!



1



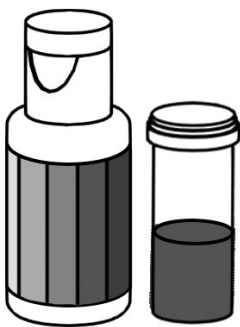
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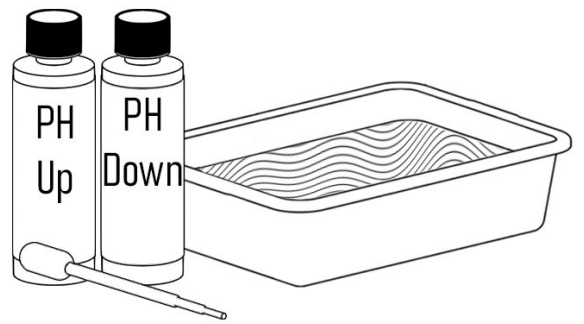
3



4



5

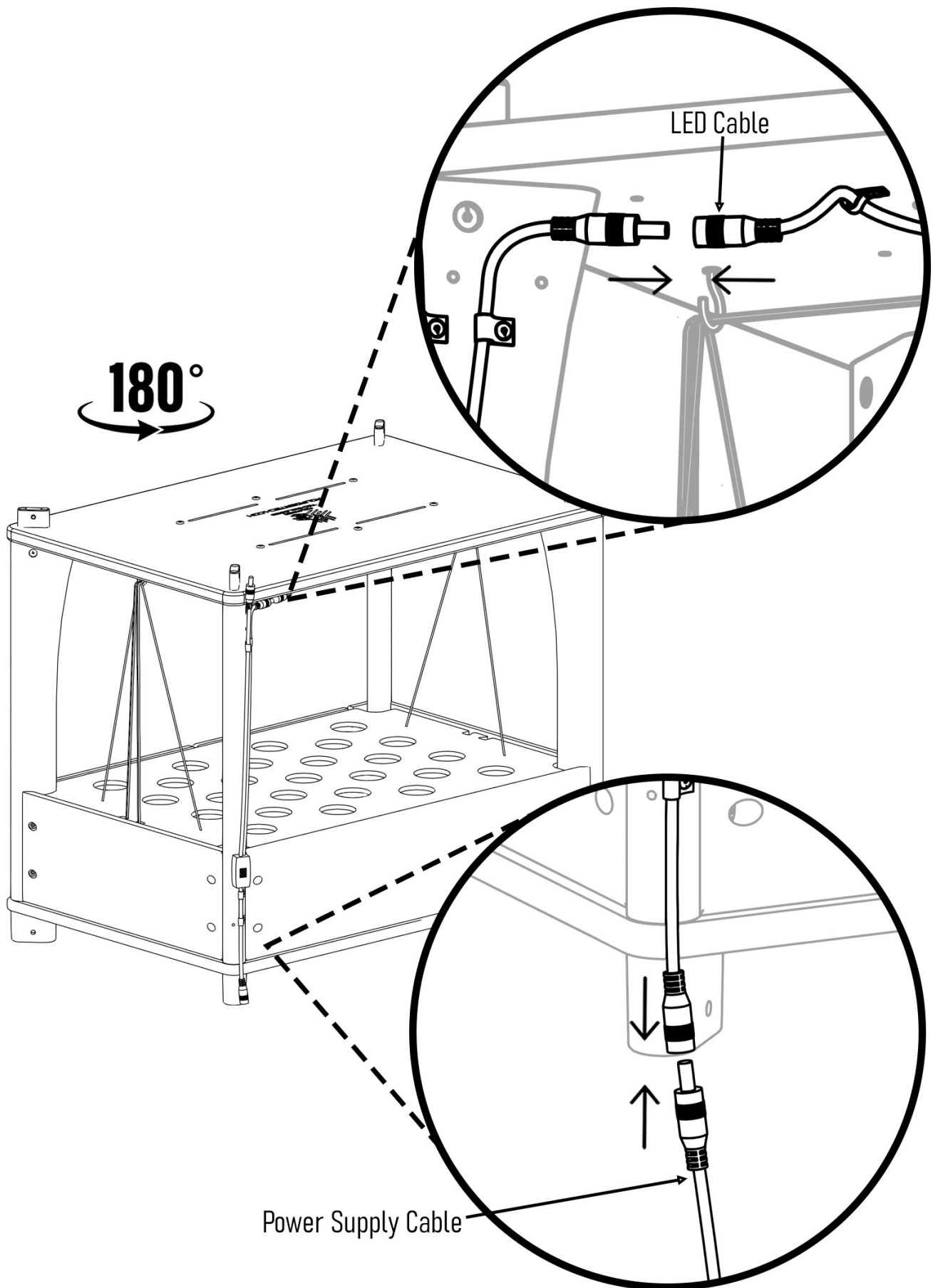


6

Planting (1/4)

- 1** Connect the wire to the LED light cable.
-

- 2** Connect the wire to the power supply cable.
(Place the transformer only outside of farm and storage)



LED Timings Table

The farm lights activate as soon as the LED is plugged in, operating on a 16-hour ON and 8-hour OFF cycle.

Suggested time schedule for your convenience:

Plug in at:	Turn off at:
4 am	8 pm
5 am	9 pm
6 am	10 pm
7 am	11 pm



- All lights in the room must be OFF when LEDs are off!
- Plants require near-total darkness at night!
- In the event of a power outage, unplug the LED light and reconnect it at your desired start time.

Planting (2/4)

3

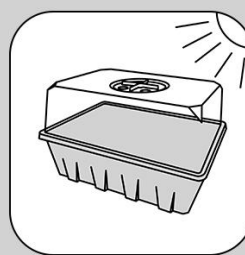
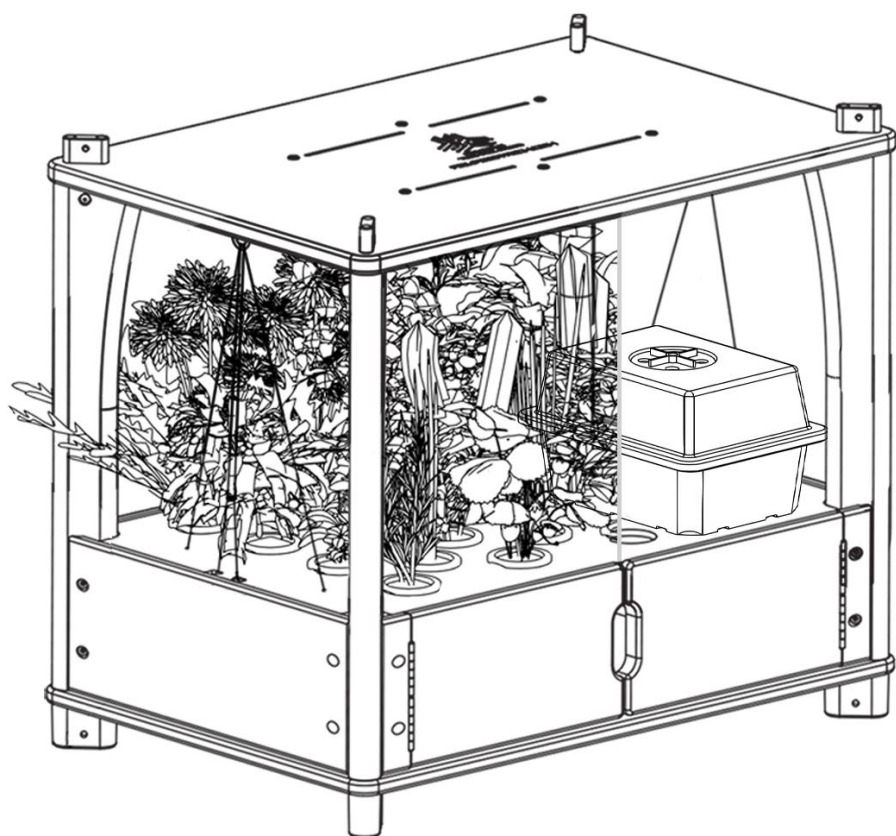
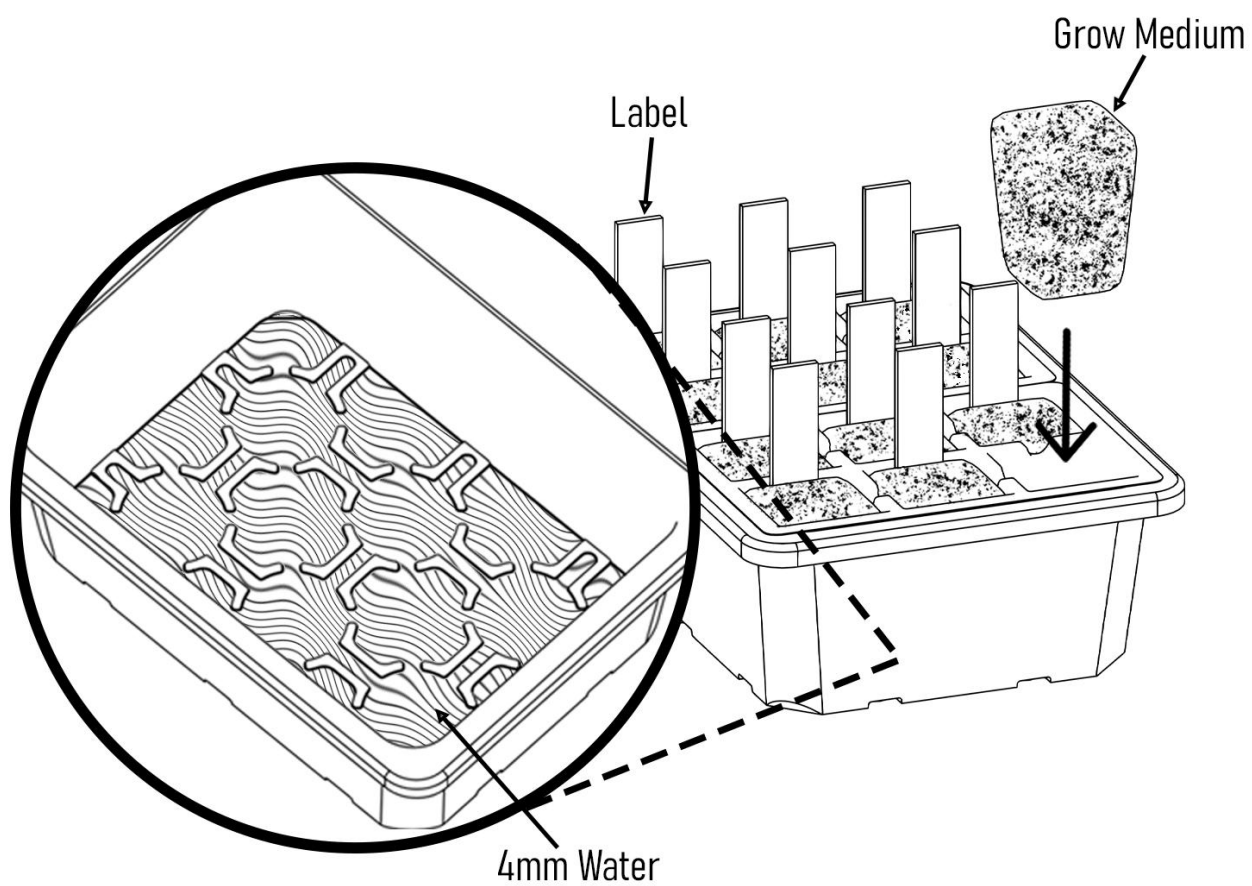
Place the pre-seeded grow mediums in the nursery, add approximately 4mm (0.15") of water, and add labels.

- For repeatable use of the labels, opt for a pencil and eraser.
-

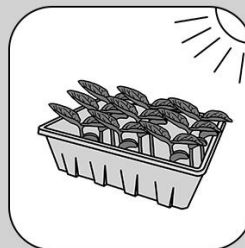
4

Add dome and open the vents.

- Place the nursery inside your Aquager storage unit, or any other dark place.
- After the plants have germinated, place the nursery in your Aquager farm or near the window.



Don't put under the sun until germinated!

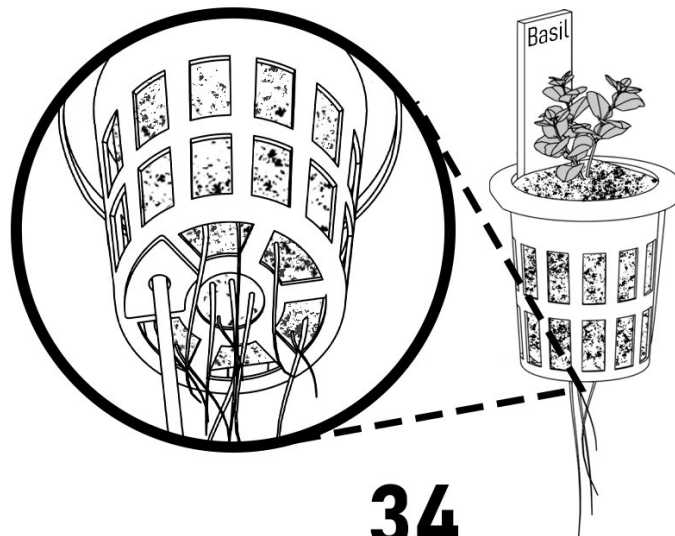
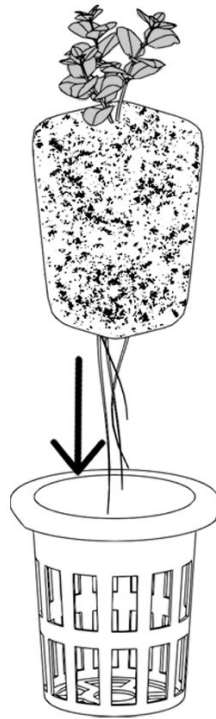
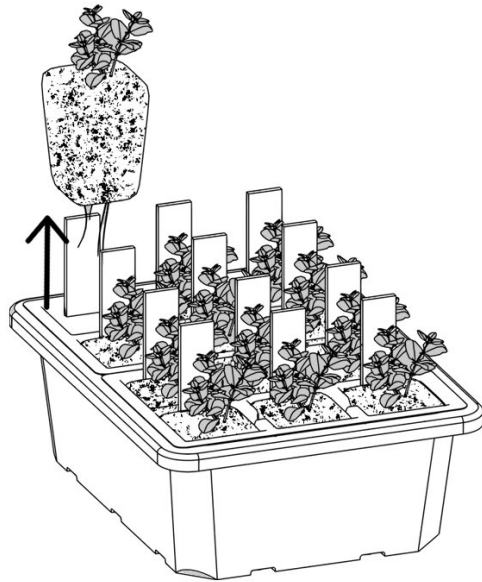


Planting (3/4)

- 5** Transfer the plants from the nursery once they reach approximately 2" in height and have roots at least 0.5" long.
-

- 6** Plant in the grow cup.
-

- 7** Make sure the roots pass through the bottom holes, then attach a label.



Planting (4/4)

Wet roots must not be exposed to air for more than 15 minutes!

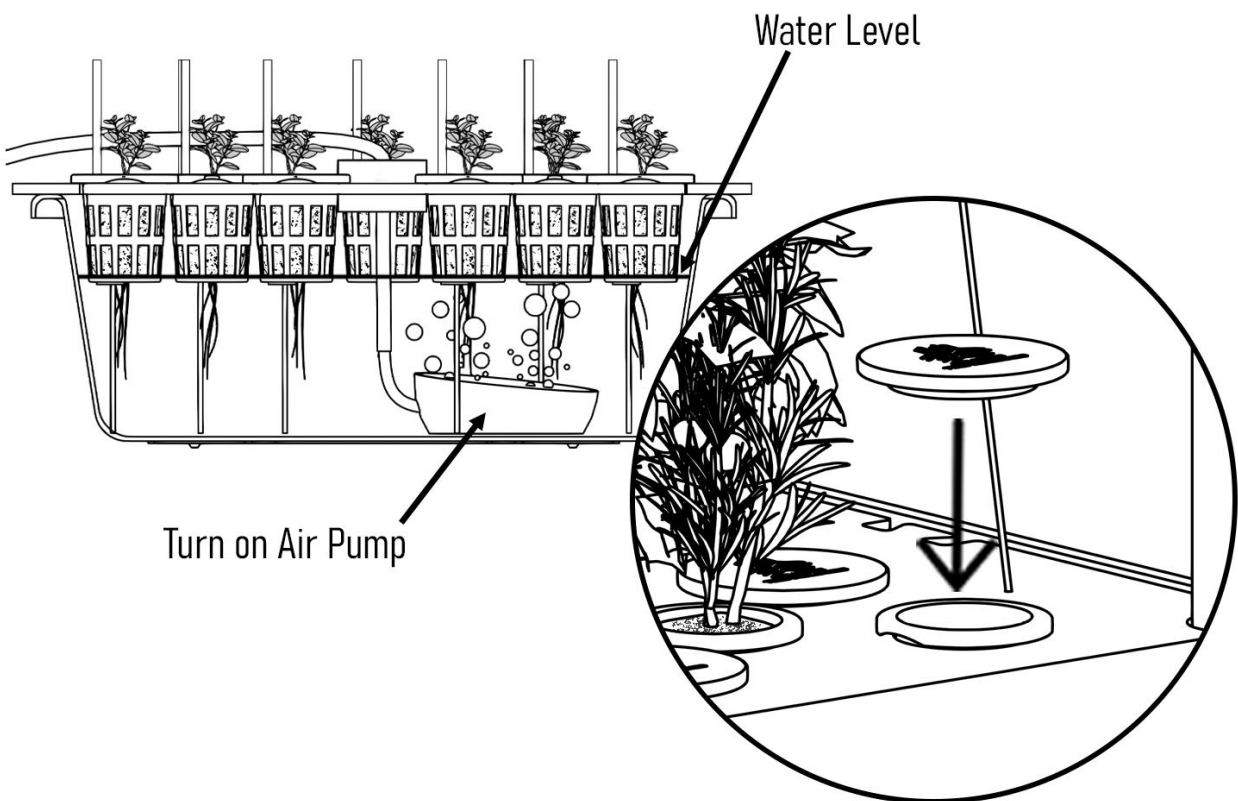
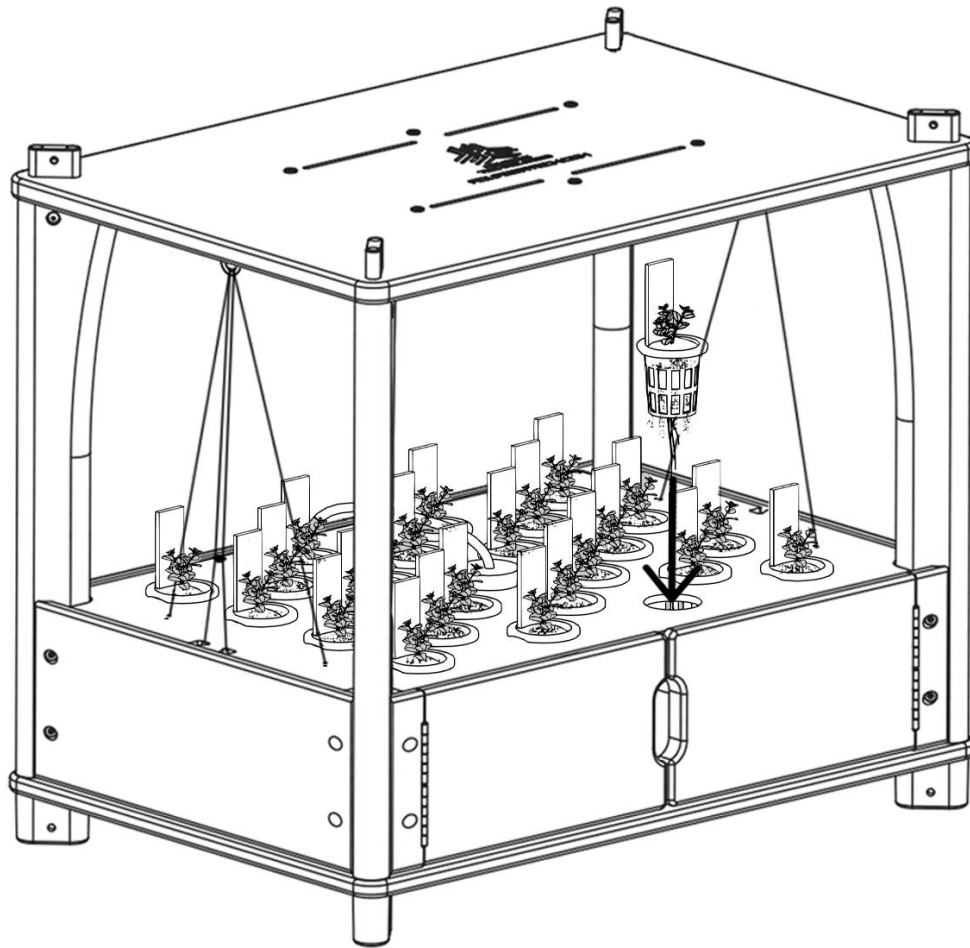
8

- Place the cups in the farm as soon as possible after transplanting from the nursery.
 - Wash the cups, strings, and labels with soap before each planting.
-

9

Make sure the water level reaches the bottom of the grow cup, then set the air pump to maximum.

- If any holes are not being used, close them with cup covers.
- **When adding new plants, make sure the water level touches the bottom of the grow cups. (pg.37)**

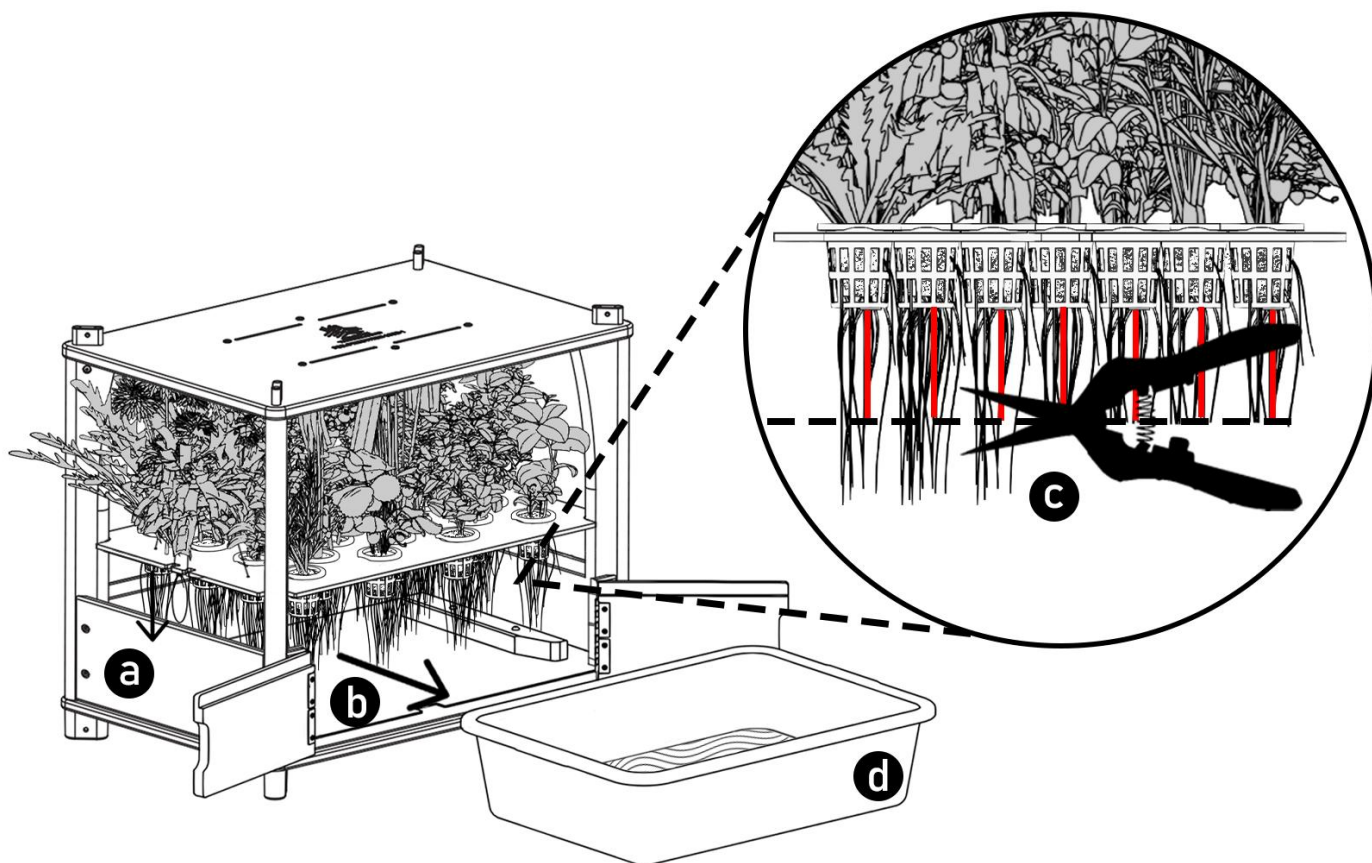
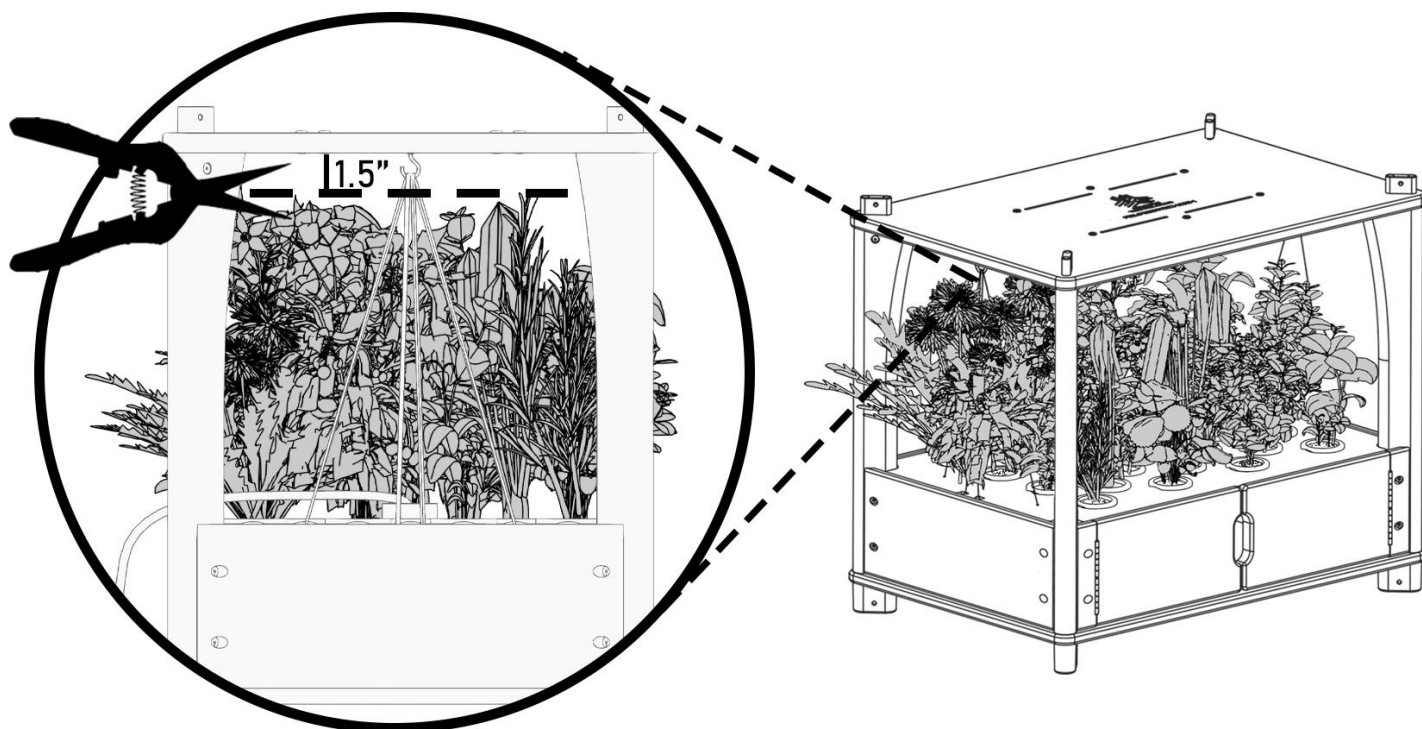


Maintenance (1/2)

- 1** Always keep plants at least 1.5" below the top of the farm by trimming them as needed.
 - Immediately remove any dead plants along with their cups!
-

During the recommended tank cleaning every three months, trim the roots to match the length of the capillary string.

- 2**
 - a** Raise the grow plate
 - b** Remove the water tank
 - c** Cut the roots to the string length
 - d** Prepare the water solution.
 1. Fill Tank with 2.5" of water.
 2. Ensure PH is between 5.5-6.5 (pg.25).
 3. Add 15ml of Nutrients by using the measuring cup. (pg.23)
 4. Ensure the water level is never below 1".
 5. Placed the prepared water tank back into the farm.



Maintenance (2/2)

3

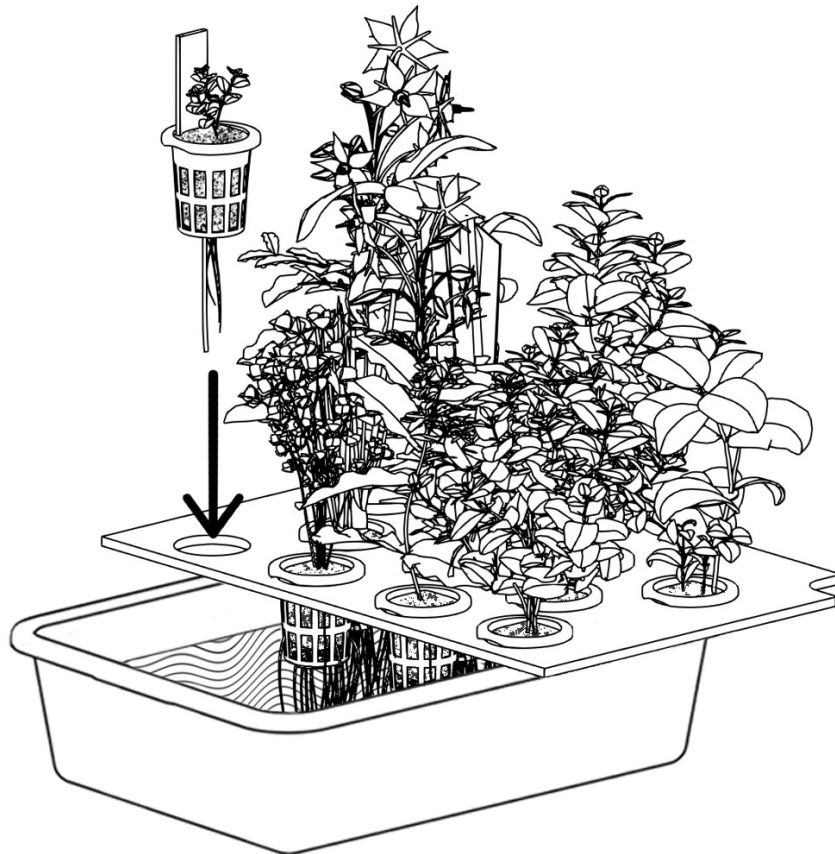
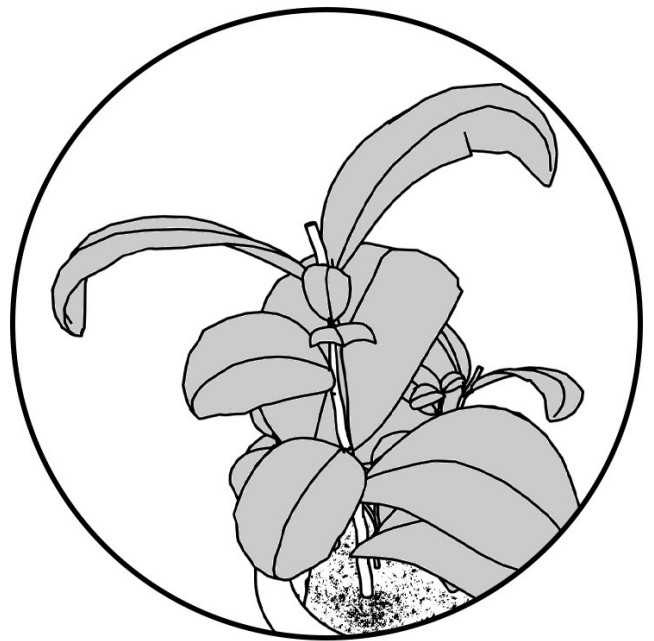
Make the cut just above the point where the leaves begin to split and grow.

- Prune, rotate, and adjust the plants as needed to ensure they remain fully exposed to the LED light at all times.
-

4

Each time a new plant is added to the farm, ensure the water level is raised to touch the bottom of the grow cups.

1. Fill Tank with 2.5" of water.
2. Ensure PH is between 5.5-6.5 (pg.25).
3. Add 15ml of Nutrients by using the measuring cup. (pg.23)
4. Ensure water level is never below 1".
5. Placed the prepared water tank back into the farm.
6. Wipe away any water droplets





Let your plants grow and enjoy!
Share pictures online and tag
@aquager_tech

Pollination (1/2)

Notes

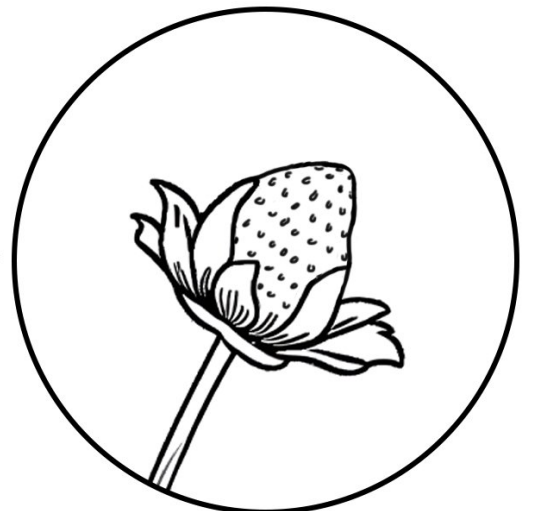
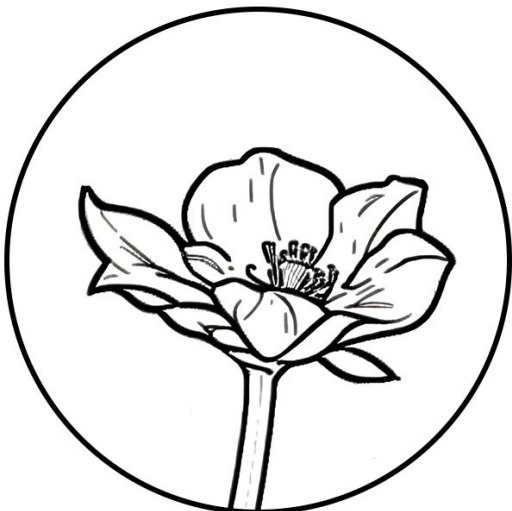
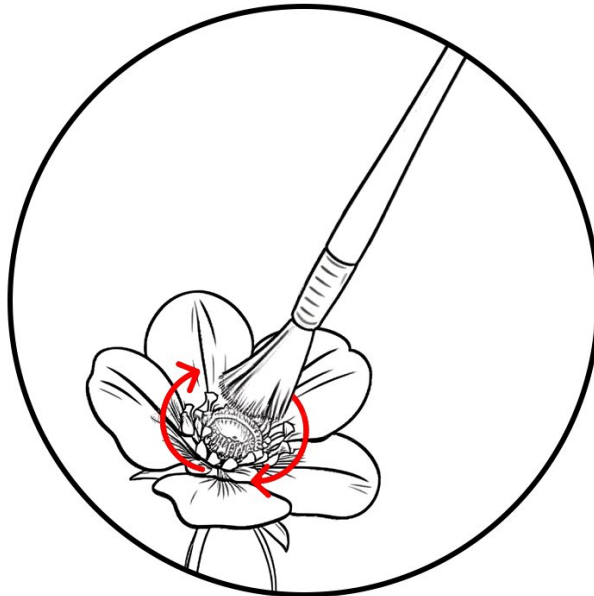
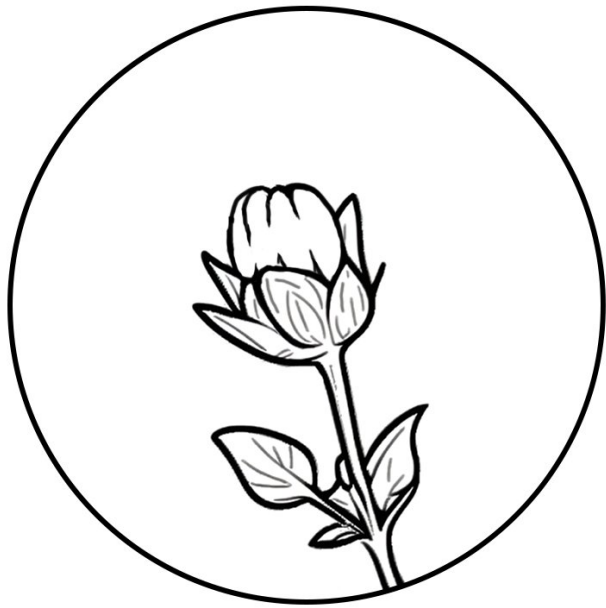
- The pollination brush is sold separately.
- Do NOT wash the brush. Ever.
- The best time to pollinate is in the morning.
- Gently pollinate each flower daily from the moment it fully opens until it falls off.
- One brush can be used for multiple plant species.
- Flowers pollinated for the first time may not produce fruit. The brush needs to build up pollen from multiple flowers. It's normal for the first few flowers to fall off a few days after pollination resulting in no fruit. New flowers will appear shortly after.

Pollination (2/2)

1 Wait until the flower buds are fully open.

2 Once the flowers have opened, gently use the brush to pollinate by swirling it inside each blossom.

3 Once the flowers fall off and the fruit begins to slowly develop, no further pollination is needed.



Warranty

1 year warranty

To qualify for a warranty replacement, you need to provide proof of purchase, such as an order number or a confirmation email, and be the original owner of the Aquager Hydroponic Home Farm. The warranty excludes coverage for damage or equipment failure resulting from standard wear and tear, improper or careless assembly, insufficient maintenance, accidents, misuse, abnormal or unintended use, or issues arising from moving or relocating the product to a different location.

Contact Us:
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