

FARMSTAND ASSEMBLY & SETUP

Scan For Videos



TABLE OF CONTENTS

WHERE TO PLACE YOUR FARMSTAND	3
WHAT'S IN THE BOX	4
ASSEMBLING YOUR FARMSTAND	5
ASSEMBLING YOUR FARMSTAND WITH GLOW RINGS®	8
SETTING UP THE TIMERS	11
ADDING WATER & NUTRIENTS	13
EMPTYING YOUR FARMSTAND	14
NEXT STEPS	15

WHERE TO PLACE YOUR FARMSTAND



A Sunny Outdoor Spot (or Indoors With Lights)

Plants grow best with at least 6 hours of direct sunlight per day (or 14 hours with indoor growing lights).



Note: Avoid placement next to tall trees or buildings that will limit sun exposure.



Indoor Growing Tips

For all indoor Farmstands we recommend placing it on a mat to avoid water dripping off plants and onto the floor.



Power and Water Access

Your Farmstand needs continuous power and weekly water refills.



4 Square Feet of Level Space

A 2'x2' area ensures easy access to your plants.



**Download the Lettuce Grow App
for growing tips & reminders!**



WHAT'S IN THE BOX?

FARMSTAND COMPONENTS



Water Tank



Growing Levels



Pipes x2



Farmstand Lid

ACCESSORIES & NUTRIENTS KIT



Timer



Water Pump



Reusable
Grow Cups



Coupler Fitting



Hose Coupler



Pump Fitting



Water Diffuser



Tank Cap



Gasket
(attached to
the tank cap)



Cord Plug
(pre-assembled
in gasket)



Electrical
Gaskets x2



pH Pen



Nutrients A&B



pH Down



1 Tbsp Nutrient
Scoop x2



Lettuce Grow
Stickers



Pipette

ASSEMBLING YOUR FARMSTAND

1

Before starting, make sure you have all of your components, including the Glow Rings if you're growing indoors. If using Glow Rings, jump to page 8 for assembly instructions. Attach the pump fitting, pipes, and coupler fitting to the water pump (as pictured).

2

Locate your Pump and rotate the dial on the front of the Pump counter-clockwise until it can no longer turn, in order to ensure the opening is in the correct position. Then, place the pump inside the tank with the pipe attached, affixing the pump's suction cups to the bottom of the tank. Be careful not to damage the plastic film at the top of the tank as it prevents water leaks.

3

Run the pump's electrical cord through the opening on the side of your tank.

4

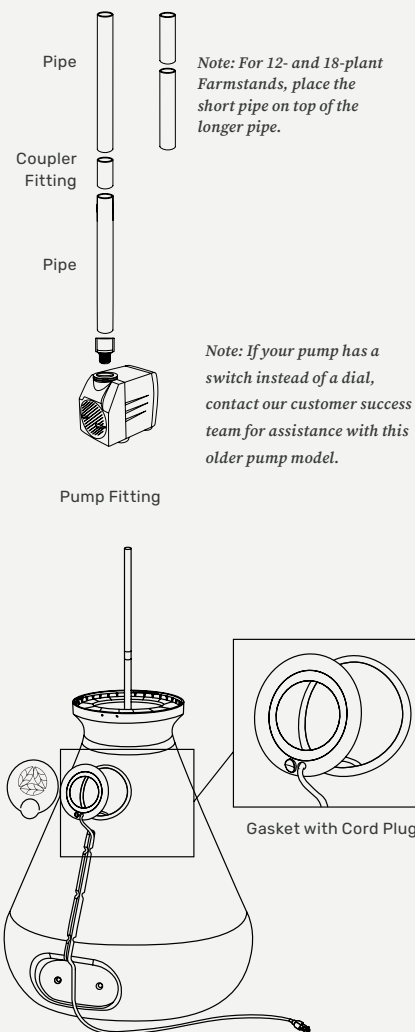
Push the pump's electrical cord into the opening on the bottom of the gasket that doesn't have a small plug installed. The second opening is intended for lights produced by Lettuce Grow. If not in use, leave the plug in the second opening to prevent water leaks. For more information, go to www.lettucesgrow.com/lighting

5

Line up the groove on the gasket with the edge of the tank opening and pop the gasket into place. It will fit very snugly and you may need to bend it to pop it into place!

6

Snap the cord into the cord seam on the outside of the tank, then snap the tank cap into place over the gasket.



COMPLETE FARMSTAND ASSEMBLY

7

Place the first growing level over the pipe and slide it down to the tank with the seedling port holes on the bottom.

Align the growing level so that it sets into the groove, then twist to lock in place. The circle icon should line up with the open lock icon before twisting. The lock and circle icon should line up once locked. Repeat for all additional levels.

Note: You can have your port holes line up vertically or alternate - it's your choice!

If you ordered a 30- or 36-Plant Farmstand, your additional growing levels will ship separately.

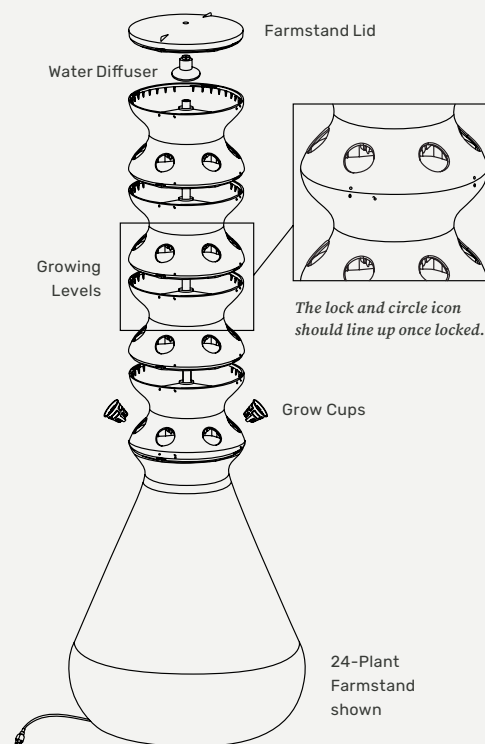
8

Locate the water diffuser and place it on top of the pipe as pictured in the diagram to the right. Then place the Farmstand lid on the top level and lock it into place.

9

You'll notice that you received a hose coupler. This is used to remove the water from your Farmstand tank and is not needed at this time.

DO NOT plug in your Farmstand yet.



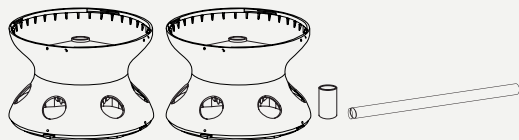
Refer to page 14 of this guide for instructions on how to empty your tank. DO NOT move the Farmstand when it is full unless you have it on a dolly.

VOILÀ!

Now you're ready to add water and nutrients, set up your timer, and pop in your baby seedlings!

Want to add more levels?

You can add more levels up to a maximum of 6 (36 plants).

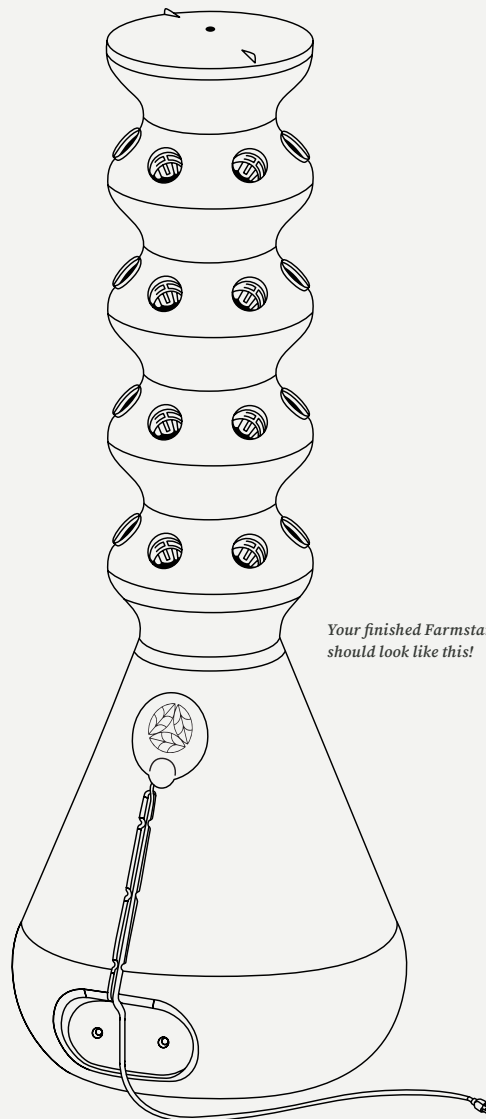


Extension Kit

WHAT'S NEXT?

Jump to page 11 to set up your timer.

Be on the lookout for your seedling order or go to lettucegrow.com/shop to add to your Farmstand!



Your finished Farmstand should look like this!

ASSEMBLING YOUR FARMSTAND WITH GLOW RINGS

1

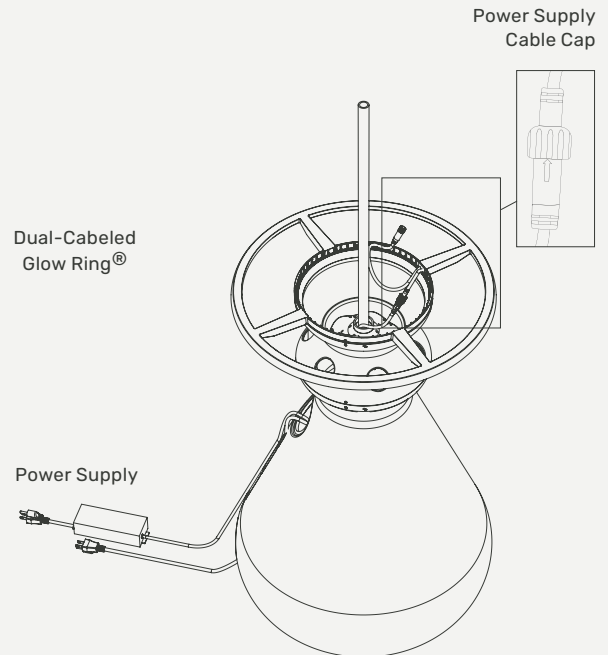
If you already have a Farmstand, begin by unplugging your Farmstand, removing the lid, diffuser cap, fill port cap, gasket, and all modules except for the first one. If you are setting up a new Farmstand follow the Farmstand Assembly guide and add just one module. For all indoor Farmstands we recommend placing it on a mat to avoid water dripping off plants and onto the floor.

2

Set aside your top single-cabled Glow Ring (you'll use this last). The two ends of the dual-cabled rings will arrive screwed together. You will need to unscrew them in order to connect them to the rings above and below. Pass the connector side of the power supply cord through the fill port opening and up through the center module hole. Make sure the cord goes down before up, creating slack in the cord.

3

Attach the first dual-cabled Glow Ring to the top of the first module. Once attached, connect the ring cable to the power supply cable. The cap should be screwed until it meets the tip of the arrow. A tight connection will protect from water damage and is important for the longevity of the lights.



4

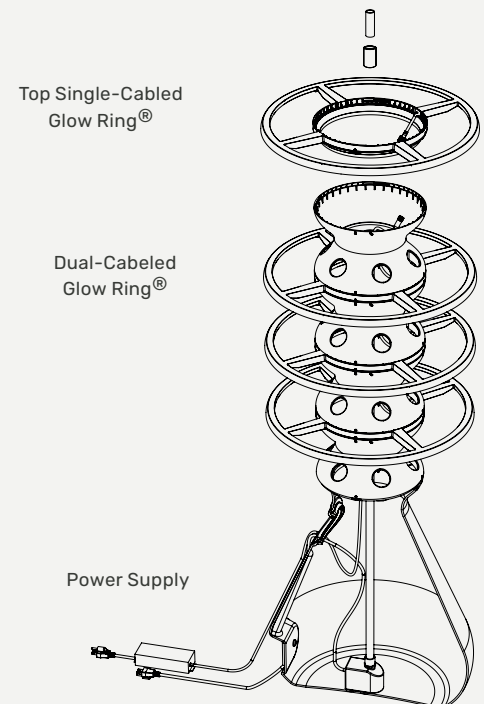
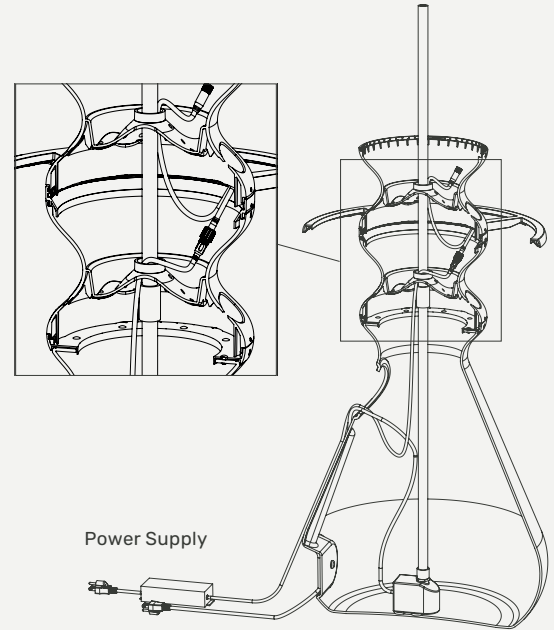
Get your next module level ready and feed the longer, non-connected Glow Ring cable up and through the center hole before you attach the second module to the first Glow Ring. Hint: It's easier to feed the cable through the module center before locking the module in place.

5

Repeat step 3 & 4 for each dual-cabled Glow Ring and module, and save the top single-cabled Glow Ring for last. The short connector cords should always connect to the lower ring, and the longer connector cords should always thread up to the ring above.

6

Attach the single-cabled Glow Ring to the top module and connect the long cable from the ring below to the single cable connection. There should not be an unconnected cable once all Glow Rings are installed. Any unconnected cables will cause damage to the device.



ASSEMBLING YOUR GLOW RINGS

7

The small pipe extender and coupler (received in the Glow Rings box) should be placed at the top of the pipe stack, closest to the diffuser. Note: Pipe extensions and couplers are only needed for 24-, 30- and 36-plant Farmstands. 36-plant Farmstands will need two pipe extensions and two couplers.

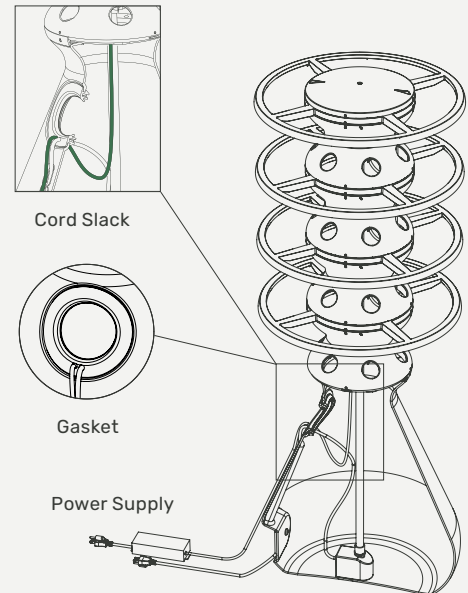
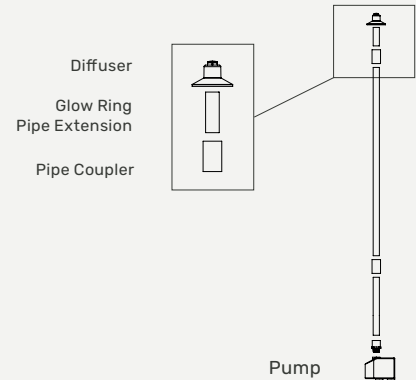
8

Remember to put the diffuser cap on and then the lid can attach to the top Glow Ring.

9

After the Glow Rings are assembled, run the power supply cord through the second hole in the fill port gasket. If there is a temporary plug in that hole you will need to remove it. When you lock the gasket into place make sure there is enough slack so that the power supply cord drops down into the Farmstand's tank before it goes back up and connects to the first Glow Ring, as shown in the graphic to the right. If the gasket that came with your Farmstand does not have two holes, visit lettucegrow.com/contact-us for a replacement.

Note: To prevent damage or malfunction, never drape anything over or hang items on Glow Rings.



The Limited Warranty does not cover use of the product outdoors where it will be exposed to direct sunlight, rain, and other environmental elements as they are intended to only be used indoors. Visit www.lettucegrow.com/faq/product-warranty for more information.

SETTING UP THE TIMERS

Note: If you're growing outdoors you will have one timer for your water cycle. If you're growing indoors with Glow Rings, you will have one timer for your water cycle and one timer for your light cycle.

1

WATER CYCLE TIMER

Locate one of the two electrical gaskets and place it over the 3-prong plug on the pump cord. Then plug the pump into the timer.

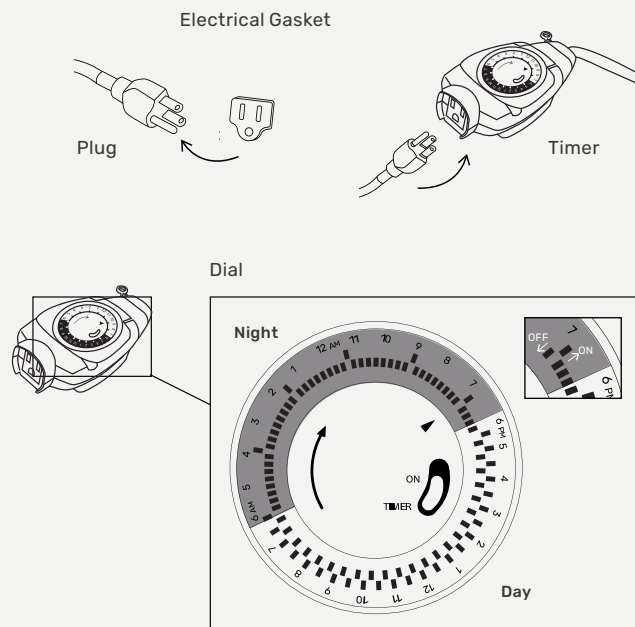
Set the timer:

First line the arrow up with the current time, paying attention to the day and night sides of the dial.* Then adjust the prongs to match your growing conditions. You can adjust your settings as the season changes.

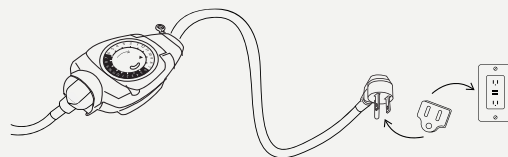
TIMER SETTINGS	Day		Night	
CONDITIONS (avg daily high temp)	On	Off	On	Off
Hot >90F	15	15	15	105
Warm 65F-90F	15	45	15	165
Cool <65F	15	75	15	225

2

Place the second electrical gasket onto the timer plug, then plug the timer into a GFCI outlet. Switch the standard setting to **TIMER**. The **ON** switch is intended to leave the pump on, or for testing functionality. **Do not plug in your Farmstand until after you add water.** For more info on setting up your timer, go to lettucegrow.com/timer



Note: This example displays warm timer settings.



SETTING UP THE TIMERS

Note: If you're growing outdoors you will have one timer for your water cycle. If you're growing indoors with Glow Rings, you will have one timer for your water cycle and one timer for your light cycle.

GLOW RINGS TIMER

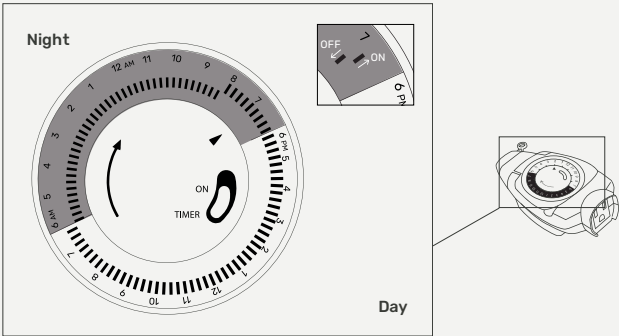
If you're assembling with Glow Rings, please reference the table below for the light cycle timer settings.

TIMER SETTINGS*	LIGHTS ON (DAY)	LIGHTS OFF (NIGHT)
2-4 Glow Rings	14 HR	10 HR
5 Glow Rings	15 HR	9 HR
6 Glow Rings	17 HR	7 HR

ADDITIONAL NOTES

The watering cycle will be different when the Glow Rings are on than when they are off so it's important to make sure the timers are synced to the same time. Make sure the arrow is lined up to the current time of day on both your water cycle timer and Glow Rings timer.

In the timer image to the right, we have the 14 hour light cycle on during the day (light side of the dial). It's important that your plants are not stressed by too much or too little light, so mimicking the natural outdoor photoperiod is one of the best ways to ensure they grow successfully.



Note: This example displays the setting for 2-4 Glow Rings. Each notch represents 15 minutes on the timer.

ADDING WATER, NUTRIENTS & ADJUSTING PH

Now that you've assembled your Farmstand (and lights if you're growing indoors) and received your seedlings, it's time to start growing! We'll show you how in a few easy steps.

1

Remove the tank cap and fill the tank with water using a garden hose or watering can until the water level reaches a few inches below the bottom of the tank opening.

2

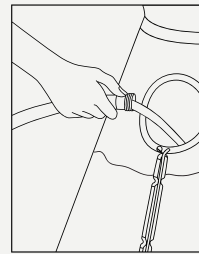
Using one Tbsp scoop, add 4 scoops of Nutrient A to a jar with warm water and mix until fully dissolved. Pour directly into the tank, rinse the jar and use the second Tbsp scoop to repeat with nutrient B. This is the initial dosage only. For weekly maintenance, see the dosage guidelines located on the back of each bag or check out our app. You can store your scoops in the bag with the nutrients in a cool, dry place.

3

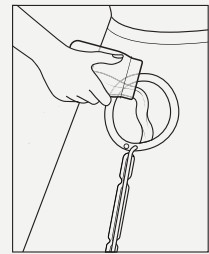
Now check and adjust the water's pH to ensure your plants can optimally absorb the nutrients.

Fill the test bottle with 5 mL of water from the tank. Using the pipette, add 5 drops of pH test solution to the water and place the cap on the bottle. Give it a swish and match your water to the color chart included with your pH Test Kit. The ideal range is 5.5-6, but don't stress if it is a little over or a little under.

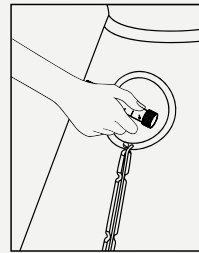
If your pH is too high, add 5 mL of liquid pH down to the tank using the pipette. Rinse the Test Kit bottle with fresh water, let the pump run for 5 minutes to make sure water in the tank is well mixed, and then re-test. If you have hard water, it is common to add more pH down until your water is balanced. **Plug in your Farmstand.** It is important to check your pH level each week as it will increase over time.



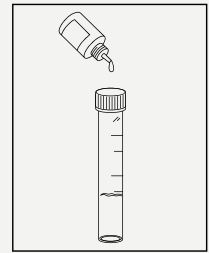
Hose filling up tank



Stir tank water



Fill test bottle



Add 5 drops of pH solution

Note: It is helpful to have your pump running when you mix nutrients and pH down to help them dissolve quicker.

EMPTYING YOUR FARMSTAND

*If you are resetting your Farmstand between seasons or fixing pH issues, emptying your Farmstand is super simple and hassle free! **You'll need the hose coupler that came with your Farmstand** and a standard garden hose.*

1

Unplug the timer, then remove the lid and water diffuser.

2

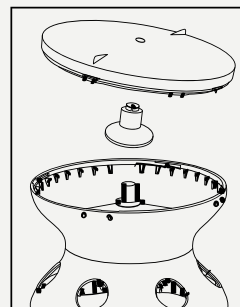
Screw a hose into the hose coupler and attach it to the inner pipe.

3

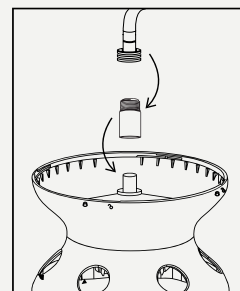
Plug your timer back in, setting it to ON instead of TIMER. The pump will empty the Farmstand.

4

Once the Farmstand is empty, remove the hose coupler and place the diffuser and lid back on your Farmstand. Switch the timer setting back to TIMER.



Remove lid and water diffuser



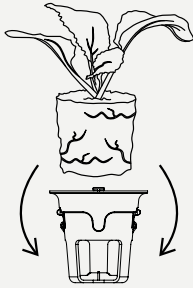
Attach coupler to pipe

QUARTERLY MAINTENANCE

Every 3-4 months (once a season), we recommend harvesting all of your plants and giving your Farmstand a deep, thorough cleaning. We call this a reset. It involves disassembling the Farmstand, removing old plant debris, and washing the components in a mild solution of dish soap and warm water. Once everything is sparkly clean again, refill your Farmstand. Once in a while, you should check your pump for any debris buildup and remove it with a high-pressure hose if possible.

*For your safety, **DO NOT** move your Farmstand when the tank is full.*

NEXT STEPS



WEEKLY MAINTENANCE

- + Check and adjust the water level in your tank
- + Add nutrients
- + Test and adjust the pH of your water
- + Plant new seedlings in available ports
for continuous growing

HARVEST!

Cut and Come Again (Partial Harvest):

For certain plants like herbs and leafy greens, you can harvest a few leaves, strands, or bits of plants at a time when you just want to use a little bit. Start by harvesting the oldest, outer leaves first and leaving younger, inner leaves intact until grown to maturity.

Full Plant Harvest:

For greens like lettuces and cabbage, we recommend harvesting the full plant. This helps to prevent pests, keeps your Farmstand clean, and allows you to grow more plants! Simply pull the grow cup out of the Farmstand, remove the roots (and compost them), and rinse and re-use the grow cup for your next seedling.

CONTACT US



FAQs
lettucegrow.com/faq



Digital Assembly & Growing Guide
lettucegrow.com/resources/growing-guide



Indoor Grow Guide
lettucegrow.com/resources/the-lettuce-grow-guide-to-indoor-growing

If you have any other questions, please reach out to us! We can't wait to help you grow!

lettucegrow.com/contact-us

An Initiative of:

the farm project

Copyright © 2021, Lettuce Grow®



100% RECYCLED &
RECYCLABLE PAPER