

— Quick Start Guide —

What you need:

- 1) 3" Net Cups & hydroponic clay pellets
- 2) Water & watering can or other water container
- 3) 1-Qt wide-mouth jars
- 4) Jar cover, e.g., black sock, or use opaque jars
- 5) Nutrients (See note on back page)



🌱 About Passive Hydroponics 🌱

Passive hydroponics is a highly efficient gardening method developed by Dr. Bernard Kratky. One of the many advantages of his prized technique is that you do not need complicated pumps or motors. Passive hydroponics is the simplest method for growing your indoor garden.

Nutrients

Nutrients, a.k.a., fertilizer or plant food, are essential components of growing healthy plants. Ultimately, it's up to you to decide which nutrients you want to use.

One fertilizer we like to recommend is Maxigro by General Hydroponics because it is effective, inexpensive, and provides consistently robust results.

Please note, most organic fertilizers tend to be less effective in passive hydroponics, a.k.a., the Kratky method.

Learn more about indoor gardening at:

happyleafled.com

🌱 Placing Your Light 🌱

The versatility of Happy Leaf LED lights means you can grow in places you never imagined before, such as a closet, basement, living room, or garage.

You can set the light near a window, but that's entirely optional.

The efficiency of vertical farming is very appealing. A baker's rack is a great place to set up for growing indoors. You can set our lights up wherever you can hang a light, such as a kitchen counter or work table.

The space for growing should allow enough room for the the mature plant height and the jar.

For lettuce, that's about 14", plus approximately 10-12" for the space above the plants and the light.

A standard electric outlet should be within reach.

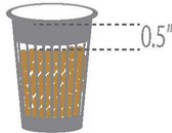
Optimal room temperature range is 65-75 degrees

Check our YouTube channel for more hanging info and tips.
youtube.com/c/HappyLeafLEDGrowLights

1) In a separate container, mix a batch of nutrient-filled water, carefully reviewing the instructions for measured amounts.



2) Start with clean and rinsed hydroponic clay pellets. Fill each net cup with pellets to 0.5" from the top.



3) Place the net cup into the 1-Qt wide-mouth jar. *Optional: screw on the metal lid/ring.*

4) Pour nutrient-filled water through the clay pellets, so the pellets become soaked.



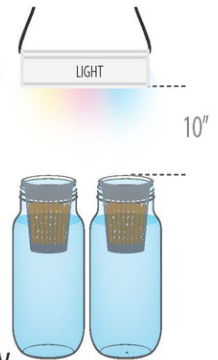
5) Fill jar with nutrient water almost to the top of the pellets (leaving a top layer of pellets that are not submerged in water).

6) Gently place 4-6 seeds, spread evenly so they rest on the top of the water-soaked clay pellets.



7) Then, add one layer of moistened clay pellets to cover the seeds.

8) Place jar with seeded net cup underneath the light. The optimal distance is 8" - 12" between the seed/plant and the light.



9) As the plant grows, adjust the height of the light to keep a distance of approximately 4" between the light and the top of the plant.

Optional: Set a light timer for between 14 and 18 hours (ex. on at 6 am, off at 11 pm)

Here's what you can expect to see happen in just 4 weeks!



For detailed instructions, see the Happy Leaf LED YouTube Channel to watch videos we've made on this process. [youtube.com/c/HappyleafLEDGrowLights](https://www.youtube.com/c/HappyleafLEDGrowLights)



TIPS

Hydroponic clay pellets and net cups are reusable
Sterilize between planting with boiled water or place pellets/cups in a mesh bag and run the sanitize cycle of the dishwasher.

How to prevent algae
*Keep planted jars away from sunlight.
Cover jars - paint them, use a tube sock or leg warmer.*