

## Homer Farms Indoor Garden System Specifications:

The Homer Farms Indoor Growing System offers a modern, modular solution for cultivating fresh, leafy greens and herbs in the comfort of your home. Designed for simplicity and efficiency, this system requires minimal maintenance while creating an optimal, pesticide- and herbicide-free environment for plants to flourish. Perfect for households without outdoor garden space, it also features impressive water conservation technology. The Homer Farms indoor garden system offers an affordable and low-maintenance solution for growing healthy produce right at home.

A minimum of 4ft x 4ft of space is needed to install, operate, and use the system.

### System includes:

- One 4 ft by 2 ft racks with three tiers;
- Two growing reservoirs;
- One nutrient reservoir;
- 10 LED growing lights;
- One water pump;
- One air pump;
- Hose and fittings;
- Seasonal seed package.

### Requirements:

1. One electrical outlet (ideally 20 amp single phase breaker);
2. City water access;
3. Air-conditioned space (ideally 60 - 85 F temperature range maintained);
4. Flat area of 4 ft x 4 ft uncarpeted space;
5. The initial chemicals, fertilizer and pH Down will be provided to each resident. Upon finishing the program, the necessary chemicals for the system will need to be purchased:
  1. Fertilizer: <https://www.jacksnutrients.com/online-store/15-5-20-Tap-p101272609>
  2. pH Down: [https://www.amazon.com/General-Hydroponics-Liquid-Fertilizer-1-Gallon/dp/B000FG0F9U/ref=asc\\_df\\_B000FG0F9U?asc\\_campaign=d30d13fdec2d6e27fae7c4818f6fc69f&asc\\_source=01H1P39M5ZSG9J6WR6B1HBK9M0&hvadid=721245378154&hvdev=c&hvexpln=73&hvlocphy=1013462&hvnetw=g&hvocijd=15611620641181708056-B000FG0F9U-&hvrnd=15611620641181708056&hvtargid=pla-2281435182458&linkCode=df0&mcid=d29a2f771b173d61a648e1efe904b2c9&tag=namespacebran492-20&th=1](https://www.amazon.com/General-Hydroponics-Liquid-Fertilizer-1-Gallon/dp/B000FG0F9U/ref=asc_df_B000FG0F9U?asc_campaign=d30d13fdec2d6e27fae7c4818f6fc69f&asc_source=01H1P39M5ZSG9J6WR6B1HBK9M0&hvadid=721245378154&hvdev=c&hvexpln=73&hvlocphy=1013462&hvnetw=g&hvocijd=15611620641181708056-B000FG0F9U-&hvrnd=15611620641181708056&hvtargid=pla-2281435182458&linkCode=df0&mcid=d29a2f771b173d61a648e1efe904b2c9&tag=namespacebran492-20&th=1)

### Performance:

1. Operating the system may add approximately \$20-30 per month of electricity costs.
2. The system requires one to three gallons of water per week.

### Maintenance:

1. Check and regulate pH and fertilize three times weekly;
2. Harvest plants regularly;
3. Remove any dead plants;
4. Remove excess algae in the reservoirs once per week.

Plants that can be grown in the system include:

- 11 inches or less in plant height
- Fast growing (harvestable in 10 – 30 days after transplanting)
- Grow well under low light intensity
- High marketable value
- Any kind of transplant
- In general, all leafy greens and herbs should be good for the system.

Examples of plants that can be grown in the system include:

- Leafy Greens
- Lettuce (e.g., Romaine, Butterhead, Iceberg)
- Spinach
- Kale
- Arugula
- Swiss Chard
- Mustard Greens
- Herbs
- Basil
- Mint
- Cilantro
- Parsley
- Dill
- Thyme
- Chives
- Oregano
- Microgreens
- Sunflower Shoots
- Radish Greens
- Broccoli Microgreens

- Pea Shoots
- Wheatgrass
- Specialty Crops
- Edible Flowers (e.g., nasturtium, viola)
- Lavender
- Stevia

Plants that cannot grow in the system include:

- Corn
- Wheat
- Rice
- Soybeans
- Trees
- Potatoes
- Sweet Potatoes
- Pumpkins
- Watermelon:
- Grapes:
- Asparagus
- Bananas
- Cabbage
- Eggplant
- Broccoli

