

Site REQUIREMENTS

Space

The LGM dimensions are 40' x 8' x 9.5'. Allow for 1 foot of space around the perimeter and a minimum of 5 feet at the front of the container to access the man door, electrical panel, condenser and propane cage.

Farms can be placed in alleyways, parking lots, and other under-utilized spaces - we suggest placing the farm on either trap rock, railroad ties, sonotubes, or a 45' x 10' concrete pad.

Image courtesy of Acre in a Box
Houston, TX





Image: 2015 Leafy Green Machine

Electrical

The LGM requires a 60 amp, 120/240 volt single phase connection (120/208 volt three phase is also acceptable). If you choose to hardwire we recommend hiring a licensed electrician for installation at the time of delivery.

Water

You'll need access to water in order to the fill water tanks inside the LGM. A designated water source is suggested, but it can be achieved with a common garden hose feed as well. The LGM is capable of automatic tank level management.



SITE REQUIREMENT INFO & GUIDELINES

BEFORE FARM DEPLOYMENT

- The dimensions of the farm are 40' x 8' x 9'6".
- Select level ground with a max 3% grade.
- We recommend placing the farm in a 45' x 10' area (or larger) to allow for space to connect to electricity and water.
- Most farmers select a parking lot or other paved area. We have had a small percentage of farmers excavate a 45' x 10' area to lay either trap rock or concrete. Let us know if you plan to deploy your farm on trap rock or plan to excavate for a concrete pad.
- Determine the closest electrical source and site voltage (110/220V single phase, 120/240V single phase, 120/208V three phase).
- The water source should be within 50' of the farm. Water can be supplied to the farm through either a hard or a soft plumbed line. Farms located in climates that get colder than 32°F need to insulate or heat the water feed to prevent freezing.
- You will need at least 10 pieces of pressure treated wood or hardwood (Poplar) in order to pitch and level your farm. You can find this wood at any local lumber yard or hardware box store. We recommend each piece being 10" x 10" x 2". The quantity to use will vary depending on the slope of the ground under the farm.
- Be sure to send a sample of the water that you will be using in your LGM to a lab for testing. You want to make sure your water is free of any bacteria, pathogens, or other harmful elements.

AFTER FARM DEPLOYMENT

- Based on your electrical source and site voltage, have a licensed electrician hardwire or create a plug for a 60 amp 208/220V four wire electrical feed.
- Install a backflow preventer between the external spigot on the farm and the hard/soft plumbed line to prevent nutrient water from mixing with the potable water supply. Please consult your local plumber to understand your state's requirements.
- The pitch of the farm should be 2" higher at the front (closer to the main door) than at the rear (double door end) You will need a two axis laser level as well as two 5-ton toe jacks to level the farm. Purchase the laser level for future pitch adjustments, but rent the toe jacks for deployment day from a tool rental service in your area.

Remember these are guidelines. If you have a site that doesn't meet every spec it may still work, but please consult Freight Farms. We've seen quite a range of locations for farm placement.