

GROWBRIGHT 8-SITE CLONER BUCKET

Clone your favorite plants quickly and easily using the professional grade 8-site Cloner by Growbright! This system uses the same proven plant cloning technology as other popular and more expensive cloning systems!

PARTS LIST

- A. 8-Site Cloner Lid
- B. 5 Gallon Black Bucket
- C. 250gph Water Pump
- D. 8 - Foam Cloning Collars
- E. Black Manifold Stem
- F. 360° spinner



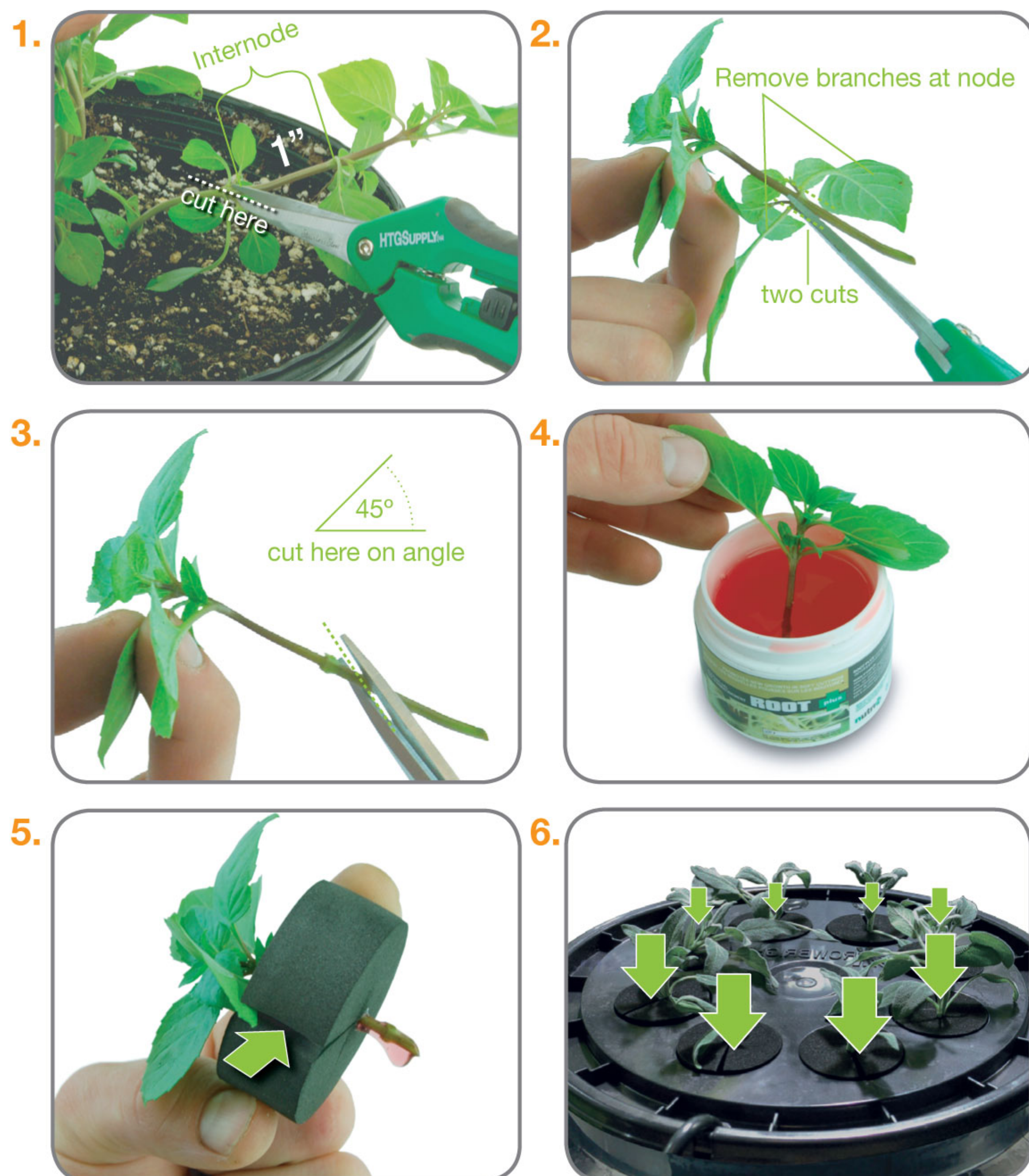
ASSEMBLY

1. Thread the black manifold into the pump.
2. Thread one sprayer into the top of the manifold.
Note: DO NOT over tighten!
3. Place the pump in the bottom of the bucket & MAKE SURE the sprayer is in the center of the bucket. Run the cord out of the bucket to a power source. (DO NOT plug in yet.)
4. Slide the grommet & wire into the notch on the 8-site lid to seal the hole. Set the lid off to the side for now.
5. Fill the bucket with 4 gallons of zero ppm water. (The water level should be right below the bottom of the sprayer head where it threads into the manifold.)
6. Once assembled it is now time to test the system to make sure everything is operating smoothly.

TEST THE SYSTEM

1. Plug in the pump and check to see if the sprayer is working properly.
2. If working properly unplug the pump and add a 1/4 tsp. of cloning solution. Hormex is an excellent clone solution with B vitamins. Rootech is also a highly trusted rooting gel. You can get both of these items at htgsupply.com or at your local HTG Supply retail location.
3. Test your PH and adjust it to 5.5-6.0.





HOW TO CUT CLONES

1. Find a branch from your favorite plant. For a clone you want about a 4" piece with a few branches. Take a close look at the distance between the internodes (space between branch sites). You want to find a spot that has at least a 1" gap between branching. This will allow the bottom of the clone to hang out of the collar to be sprayed.
2. Take the clone and cut the two lower branches off close to the node on the main stem as pictured.
3. Follow by cutting a 45° degree angle directly below the lowest cut branch site right at the node on the main stem.
4. Dip the clone in your cloning gel or liquid. Don't be shy with your gel. What washes off your clone will mix in with the water and get recycled through the system.
5. Slide the cutting into a cloning collar so the gel covered tip is exposed on the bottom of the collar.
6. Insert the clone and collar into the lid of your 8-Site Cloner.
7. Repeat steps one through five for the seven additional clone sites, and insert each one of the clones into the 8-Site Cloner lid as you go.
8. Once all the clones are cut and in place turn your system on and place it below an 18 - 24 hour light source. Roots should start to develop in roughly 2 weeks.

TIPS FOR SUCCESS

- Clones should receive at least 18 hours of light a day. 24 hours for the best results.
- Fluorescent lighting tends to be better than HID lighting for clones.
- The water pump and sprayer should run constantly.
- Clones root best in temperatures between 68-73 degrees. Lower temperatures will slow the rooting process. Higher temperatures create a breeding ground for pythium (commonly know as root rot).
- After every run empty the system and clean it, preferably with hydrogen peroxide.
- Use Reverse Osmosis filtered water for the best results. A Pure 100 or 200 water filter will get your water to 0ppm. (Perfect water for perfect clones.)
- Large leaves transpire water faster so it may be a good idea to cut off or trim any large leaves.
- Roots should appear in 5-14 days
- If the sprayer stops working, unscrew and check for debris, clean out if blocked, and reattach or replace with the spare back-up.
- The pump filter may need periodically cleaned of any build-up or debris. Simply remove the filter and rinse thoroughly with warm water.

HEALTHY CLONE ROOTS

Here is what healthy clones will look like. Once they are ready to plant remove the 8 clones from the 8-Site Cloner, and remove them from the clone collars before transplanting into the chosen grow medium. Your clones can be planted in soil, or dropped into a hydroponic system.

