

STARTING SEEDS made easy with **Root Riot™** and **CLONEX®** **CLONE SOLUTION**

Materials Needed

- CLONEX Clone Solution • Root Riot Starter Cubes
- Tray/Insert • Humidity Dome (optional)
- Water (*Filtered or Declorinated is best*)
- Measuring device for liquids
- Lighting designed for Plant Propagation (*or Sunny Window*)
- Heat Mat (optional) • Planting Media (*for Transplanting*)

Environment

- Temperature Range: 70 - 80°F (*Use a Heat Mat if necessary to maintain warmth for germination*)
- Humidity Range: 50-70% until germination
- 14 -16 hrs/day of light once germinated

Procedures

• Starting Seeds •

- 1 Put Root Riot Cubes into Tray/Insert
- 2 Prior to planting seeds, pour Water over Root Riot Cubes then drain off any remaining water from the Tray
- 3 Place seed into pre-formed hole in the Root Riot Cube
- 4 Cover Tray with Humidity Dome *If already in a humid environment, no Humidity Dome is needed*
- 5 Locate Tray/Dome in a warm place *Put the Tray/Dome on Heat Mat if needed to maintain optimal temperature range*

• After Seeds Have Germinated •

- 1 Gradually remove Humidity Dome to reduce humidity
- 2 Locate Tray under Lighting or by Sunny Window
Light should be 12" to 24" above seedlings

3 Monitor seedlings during early germination to assure that moisture and temperature are maintained, and to identify the appearance of the first set of true leaves

Most plants first produce one or two sets of seed leaves (cotyledons) that function in nourishing the seedling until the first set of true leaves develop and photosynthesis begins - at this point you can begin to provide supplemental nourishment to the seedlings

4 Mix 20mL CLONEX Clone Solution into 1 GAL of Water

5 After the development of the first set of true leaves, feed seedling every 2-3 days (or as needed; do not let cubes dry completely) *Gently pour nutrient mixture over Root Riot Cubes, then drain off any remaining solution that collects in the bottom of the Tray*

• Transplant •

1 Once seedlings develop 2 to 3 sets of true leaves, roots are well established and can be seen emerging from the Root Riot Cube, and the young plant exhibits strong growth, transplant the cube and seedling into your garden or a container with your preferred planting media (soil, coco/other soilless medium, hydroponic system, etc.)

2 After transplanting, allow the plants to establish in their new environment *Maintain moisture and feed as needed*

3 Once established, continue to nourish your developing young plants by following the feeding schedule for a full spectrum fertilizer like IONIC Grow

