



Recommended storage conditions

- HYPERroots FT™ is best stored out of direct sunlight and kept in packaging.
- HYPERroots FT™ must be kept below 65°C (150°F).

What to know before using.

The plug is meant to biodegrade, don't be alarmed. If done correctly it doesn't hurt the plants.

- The top of plug is drying out. This is just the way the plug acts. It will become a harder shell. The drying is perfectly fine for the plants. To reduce during germination, leave under humidity domes. Once the plant establishes the harder top shell helps to grab on to during transplanting.
- You will need a tray to hold the plug and another to hold water underneath that tray. Recommended tray to use to hold water is a shallow 1020

Fully rehydrate.

- Even though the plugs may seem to be holding water they are not at full capacity they require a presoak in order to get off to the best start.
- Soak HYPERroots FT™ with RO, Distilled or Filtered water. For a minimum of 2-4 hours. After rehydration of plug do not let it fully dry out will shrink in size.

Germination from Seed

1. Place the seeds in the dibble of HYPERroots FT™ plug.
2. A top coating of vermiculite or coir can be applied to HYPERroots FT to ensure even germination.
3. Mist HYPERroots FT™ with enough water sufficiently wet the seeds but not so much that water pools in the dibbles or allows the seeds to float.
4. Keep HYPERroots FT™ in a high humidity environment ($\geq 85\%$ relative humidity).
5. After Germination seedling tray needs to be bottom watered with at least two 15 minutes cycles of water contact per day. Recommended to leave ~1 inch seedling fertigation solution in contact with plugs until transplant.

Clone/Cutting Propagation

1. Dip the cuttings in rooting compound.
2. Place clean cuttings into the center of HYPERroots FT™.
3. Keep HYPERroots FT™ in a high humidity environment ($\geq 85\%$ relative humidity).
4. Bottom water tray leaving plug in contact with water. Replace or refill water every few days until roots develop.

Transplanting HYPERroots FT™ into Loose Fill Media (Soil, Coir, Peat, Pre-Mixes, etc.)

- Place HYPERroots FT™ slightly below surface of the chosen media, covering the entire plug. Be sure to plant the crown of plant at the new soil level.

Transplanting HYPERroots FT™ into Hydroponics Systems

1. It is recommended that HYPERroots FT™ be transplanted into netted pots.
2. HYPERroots FT™ will dissolve over time without fouling the hydroponics systems or altering the nutrient content or pH levels of the fertigation solutions.
3. To keep HYPERroots FT™ properly hydrated, at least two 15 minutes cycles of water contact per day is needed. The recommended watering strategy for HYPERroots FT™ in hydroponic systems is continuous once transplanted into system.
4. Plug will have best performance if it can have direct contact with water.

Issue Guidelines

Germination:

- Poor Germination: Caused by over or under watering.
- Underwatering: Try using a top coating of vermiculite or coir, even a damp paper towel placed on top to help hold the humidity.
- Overwatering: Pooling of water on top of plugs or inside the dibbles is damaging for seed germination
- Molds Growth: Spray a 1:4 part 3% Hydrogen peroxide to water solution on the plugs and rinse away any mold.

Transplanting:

- Difficult to remove from tray: Stop bottom watering HYPERroots FT™ for a day or two in the tray before transplanting.
- Do not Transplant into any rockwool material. Rockwool is incompatible with HYPERroots FT™