PRODUCT USAGE

OASIS® PLUGTRAY

Fertiss®

OASIS® Fertiss® PlugTray stabilized propagation substrate helps growers lower production costs, stay focused on growing, and produce superior young plants. The peat-based, pH-adjusted plugs arrive preloaded in trays — consistent, uncompacted and ready for propagation. This usage guide can help you get the best performance from your cuttings and OASIS® Fertiss PlugTray.



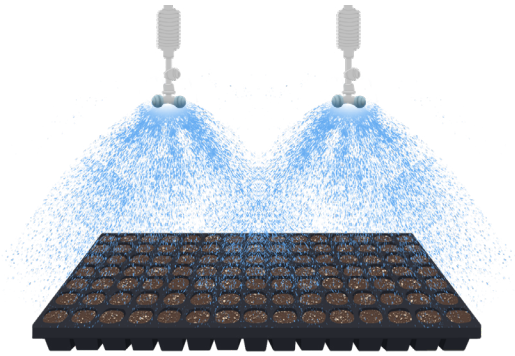
Instructions for Propagation



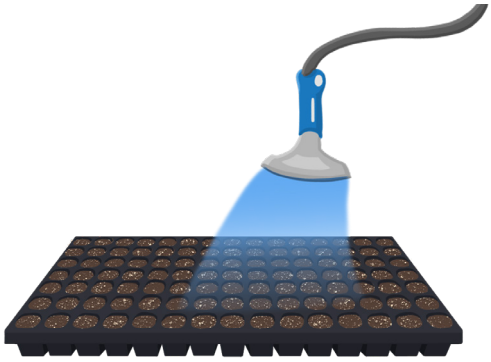
1. Unpacking

Depending on your order, OASIS® Fertiss® PlugTrays may arrive in pallet boxes. Palletization varies based on item quantity and configurations. Remove the box top and unpack the OASIS® Fertiss® PlugTrays from their shipping container one at a time. The non-nesting, stackable trays prevent media compression during shipping. So, the preloaded plug media stays uncompacted and ready to stick.

2. Preparation and Initial Watering



① We manufacture OASIS® Fertiss® PlugTrays at 60% moisture content, but you'll still want to water the media before use. Mist the plugs briefly to wet the surface.



② Then irrigate with a hose and breaker to saturate the peat-based media. Two to three passes should completely saturate the plugs.

Fertilizer
NOTE

The standard plug media arrives without a starter fertilizer charge. Growers should use a complete fertilizer during the initial watering. Advanced surfactant technology helps ensure rapid, thorough saturation. (Customizations for pH and fertilizer are available.)

3. Inserting or Sowing

Once the OASIS® Fertiss® Plugs are saturated, they're ready for you to insert cuttings or sow seed. Because our production process doesn't use vacuums, it provides greater control over the media's density and composition, so plugs are consistent and uncompacted. Unlike vacuum-fed products, there's no pre-dibbling required for standard vegetative cuttings.







3a. Inserting Vegetative Cuttings

The insertion depth should be approximately ⅝ inch (1.5 cm) deep. To avoid sticking too deep, hold the cutting ½ to ⅝ inch (1.25 cm to 1.5 cm) above the cutting tip. Then insert the cutting until your fingers touch the substrate.

3b. Inserting Micro Cuttings (Stage 3 Tissue Culture)

Because stage 3 tissue culture already has delicate roots, inserting micro cuttings calls for extra care. For fast and efficient insertion, use a pair of tweezers in one hand to create a slit in the soft, uncompacted plug media. With the other hand, gently tuck the micro cutting into the slit so the roots are buried and protected. Then gently firm the media around the inserted micro cutting.

3c. Sowing Seed

Sow seed at the appropriate depth for the crop involved. Then cover or topdress the plug media with vermiculite or perlite as required.

4. Rooting Environment

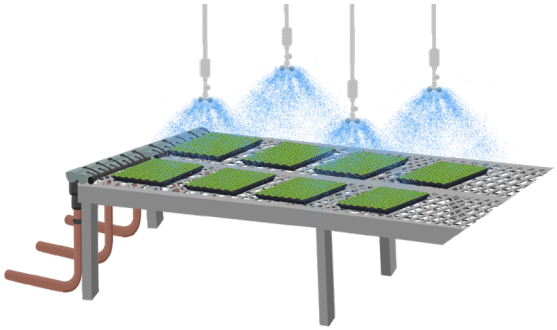
The rooting environment plays a crucial role in your propagation success. To encourage faster establishment, place your cuttings in a humid environment under diffused, low-intensity light.

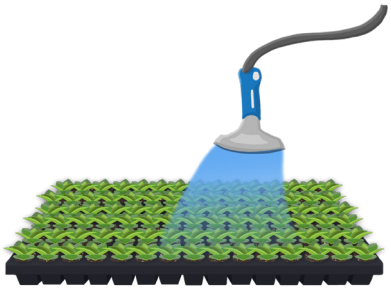
As your cuttings establish, reduce misting frequency accordingly. Once the cuttings are established, water as needed and increase the light intensity by or providing supplemental lighting. Warm temperatures can speed the rooting process. Proper air circulation will reduce disease pressure.

Note: During the propagation process, it is important that cuttings are never overwatered or allowed to wilt. Always ensure excess water can drain freely

Humid environment

Diffused, low intensity light





5. Fertilizer

Use a complete fertilizer with an EC of 1.5 mS/cm for the initial watering and the first 10 days of propagation. Once the callus is formed, the fertilizer can be increased to an EC of 2mS/cm.

In-house trials can help you determine the best fertilizer protocols for your propagation requirements and crops.



Monitor the medium to ensure excessive drying does not occur

6. Rooting

Once your cuttings are rooted in OASIS® Fertiss® Plugs, water as required and monitor the medium to ensure excessive drying does not occur.

The unique tray design of OASIS® Fertiss® PlugTray helps ensure your cuttings develop dense fibrous roots. The nearly vertical cell walls allow air to reach the entire depth of the stabilized plugs, promoting uniform root pruning and vigorous lateral root growth. The squared cells simplify sorting and grading as well.



Ready for seamless transplanting as soon as several roots protrude from the plug wrapping.

7. Transplant

Cuttings propagated in OASIS® Fertiss® PlugTrays are ready for seamless transplanting as soon as several roots protrude from the plug wrapping. Plugs extract easily from the trays, by hand or automation, speeding transplant time and alleviating transplant shock. Ensure the OASIS® Fertiss® Plugs are saturated, then transplant into moist potting media. Water thoroughly after transplant.

Storage and Handling

Store in a cool, dry location away from direct sunlight. If not used within three to six months, moisture evaporation may cause plug shrinkage. If held, may require use of a wetting agent with initial watering.

Food Safety

This product is food safe when used in conjunction with appropriate food safety protocols.

Disposal

The cellulose-blend wrapping used in this plug media is not currently fully degradable or compostable. Please check with your local waste disposal facility for end-of-life options.

Questions

For questions, consult an OGS Territory Sales Manager at info@oasisgrower.com or by phone at (855) 585-4769.

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