PRODUCT USAGE

OASIS® PLUGSHEET AeroMax™ / OASIS® PLUGSHEET AeroSelect™

OASIS® AeroMax™ PlugSheet and OASIS® AeroSelect™ PlugSheet are engineered substrates for precision hydroponics that optimize air-to-water ratio to accommodate specific climates, systems and crops, including microgreens. The following instructions will help growers get the best performance from un-dibbled plain OASIS® AeroMax™ PlugSheet or OASIS® AeroSelect™ PlugSheet, designed for clean and easy microgreens production.

Instructions for Microgreens Propagation

1. Unboxing

Gently pull the paper sleeve surrounding the first 15 sheets of un-dibbled plain OASIS® AeroMax™ PlugSheet or OASIS® AeroSelect™ PlugSheet in an upward motion. Once the first 15 sheets are removed, the remaining un-dibbled substrate sheets are easily extracted.

2. Preparation and Initial Watering

OASIS® AeroMax™ PlugSheet or OASIS® AeroSelect™ PlugSheet for microgreens are meant to be used with 1020 carrier trays.

OASIS® AeroMax™ PlugSheet and OASIS® AeroSelect™ PlugSheet are shipped dry (saving on shipping costs and extending shelf life). These products are also inert, with no starter nutrient charge. Prior to seeding microgreens, it is critical that growers perform a thorough initial soak using a complete nutrient solution such as 16-4-17 OASIS® Hydroponic Fertilizer (100 to 125 ppm N) to fully saturate the media and prevent any dry spots. The recommended pH and Electrical Conductivity (EC) are 5.6-5.8 and 1.5mS/cm, respectively.

Solid bottom tray
If your primary watering method uses overhead irrigation, use a solid-bottom tray with drain holes.

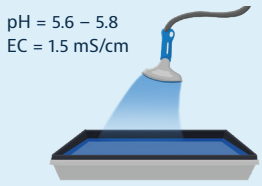
Web-bottom tray
If your primary method uses sub-irrigation, use a web-bottom tray. Complete saturation can be achieved by hand watering or using an automated watering tunnel.

HAND WATERING — **To fully saturate the substrate by hand watering, follow these simple steps:**

Step 1

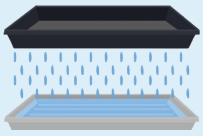
Place the un-dibbled OASIS® AeroMax™ PlugSheet or OASIS® AeroSelect™ PlugSheet into a primary 1020 carrier tray (with drain holes or web-bottom), then into a secondary, solid bottom tray.

A. OASIS® AeroMax™ or AeroSelect™ PlugSheet
B. 1020 Primary Tray (with drainage)
C. 1020 Tray without holes



Step 2

Uniformly soak the OASIS® AeroMax™ PlugSheet or OASIS® AeroSelect™ PlugSheet using a hose fitted with a water breaker. Use 2.5 L (0.7 gal) of nutrient solution to completely soak the substrate.



Step 3

After 1 to 2 minutes, let the excess nutrient solution drain freely by removing the primary tray containing OASIS® AeroMax™ PlugSheet or OASIS® AeroSelect™ PlugSheet from the solid tray and setting it on the greenhouse bench.

Step 4

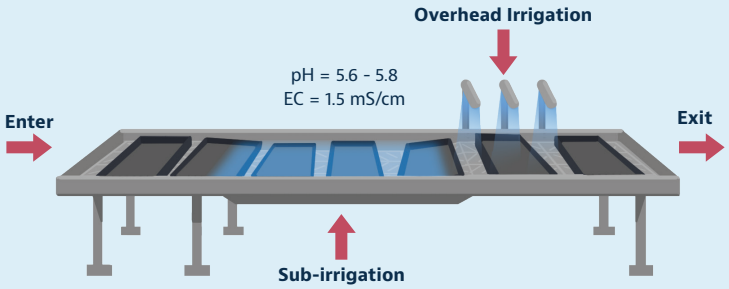
Uniformly irrigate the un-dibbled microgreens substrate overhead using a water breaker for approximately 15 seconds with 1.5 L (0.4 gal) of nutrient solution.

This procedure will allow the substrate to take on the pH and EC of the nutrient solution.

AUTOMATED WATERING

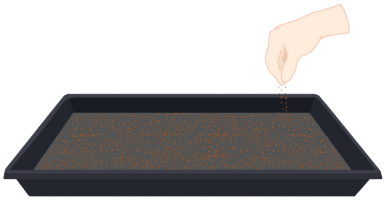
For complete saturation using an automated watering tunnel, follow these instructions:

For this process, place OASIS® AeroMax™ PlugSheet or OASIS® AeroSelect™ PlugSheet into your primary 1020 tray (drain holes or web bottom). Place this tray directly into the watering tunnel. Complete saturation can be achieved efficiently by running OASIS® AeroMax™ PlugSheet or OASIS® AeroSelect™ PlugSheet through a watering tunnel where the water comes from the bottom up, followed by top down. Reach out to your Oasis Grower Solutions Technical Representative if you would like to learn more about the equipment.



3. Seeding

OASIS® AeroMax™ PlugSheet and OASIS® AeroSelect™ PlugSheet can be seeded manually or using automated equipment. With either method, microgreen seeding should follow an initial soak. The amount of seed needed varies depending on seed type and size. Broadcast the seed evenly across the un-dibbled substrate's surface at high density or as required (typically 12 to 30 grams of seed per sheet). Even distribution encourages uniform germination. Microgreens generally do not require top dressing with vermiculite, unless a need is seen with a specific crop.



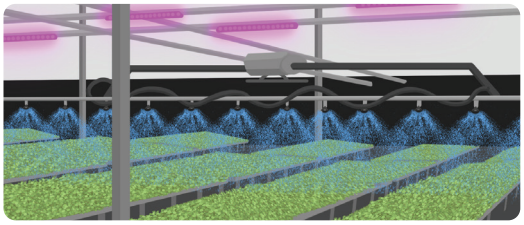
4. Germination

After saturation and seeding, place the OASIS® AeroMax™ PlugSheet or OASIS® AeroSelect™ PlugSheet in a germination chamber or cover to keep dark with temperatures around 68°F (20°C). Remove the covers 24-48 hours after initiation of the germination process, and mist with nutrient solution. (If trays are left in darkness longer than 48 hours, microgreens may begin to stretch.) Mist or water again on day 3, if required. Provide supplemental lighting or shade as needed.

Place in germination chamber or cover to keep dark with temps ~68°F.

5. Irrigation to Harvest

As with the initial soak, use a complete nutrient solution such as 16-4-17 OASIS® Hydroponic Fertilizer (100 to 125 ppm N) with an EC of 1.5mS/cm and pH adjusted to 5.6-5.8 for subsequent irrigation events. Irrigate microgreens with the nutrient solution as required until harvest. Always drain any excess. With OASIS® AeroMax™ PlugSheet and OASIS® AeroSelect™ PlugSheet, microgreens harvest cleanly and easily, in both manual and automated operations.



Storage and Handling

Store out of direct sunlight in a cool, dry location. Stored properly, this product's shelf life is 2 years from the manufacture date.

Food Safety

This product is food safe when used in conjunction with an effective, appropriate food safety program.

Disposal

Though not biodegradable, this low-density substrate will degrade after disposal, reducing volume over time. Please check with your local waste disposal facility for end-of-life options.

Questions

Consult with an Oasis Grower Solutions Technical Representative at info@oasisgrower.com or call us at (855) 585-4769.

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