

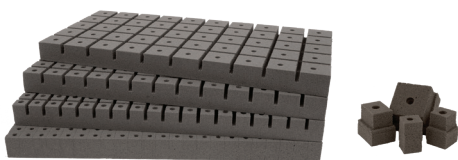
Available PlugSheet Counts

50

104

162

276



oasis®

PLUGSHEET

# AeroSelect™

## Engineered for Increased Water-Holding Capacity in Precision Hydroponics

OASIS® AeroSelect™ PlugSheet engineered growing media is a next-generation foam substrate for precision hydroponic farming in controlled growing environments. Engineered in direct response to grower requests, OASIS® AeroSelect™ PlugSheet offers finer cell structure that leads to increased water-holding capacity and higher capillary action. This sheet substrate's ultra-low density encourages uniform germination and unrestricted root penetration and seedling growth. OASIS® AeroSelect™ PlugSheets are available in pre-dibbled 50ct, 104ct, 162ct and 276ct single- and multi-seed sheets, as well as un-dibbled plain sheets for microgreens.



### Applications

Ideal for hydroponic propagation and production of all leafy greens and microgreens (including spinach) in warmer, lower latitudes and tropical climates/conditions with higher water demand.

## Features & Benefits

- + Unique open matrix and finer cell structure balance air-filled pore space with increased water-holding capacity and superior capillary action, promoting finer roots and more branching.
- + Inert substrate arrives clean and free of pests and pathogens, including plant and food-borne pathogens. Reduces disease pressure and maximizes flexibility in precision nutrient dosing programs.
- + Ultra-low density encourages uniform germination, easy and rapid root penetration, and unrestricted seedling growth for exceptional young plants.
- + Reliable and consistent, structurally stable media delivers uncompromised air-to-water ratio throughout propagation and production, sheet after sheet and batch after batch.
- + Spongy, semi-rigid substrate minimizes dust generation and improves handling throughout the production process, especially when wet.
- + Suitable for both overhead and sub-irrigation during propagation, as well as NFT (Nutrient Film Technique), DWC (Deep Water Culture) and Dry-Hydroponics systems.

Suits crops/conditions with higher water demand

Increased water-holding capacity and capillary action

Ultra-low density for unrestricted seedling growth

Optimizes root zone water, avoids overwatering

Clean, food safe and free of pests and pathogens

## Technical Specifications

**Product Description:** OASIS® AeroSelect™ PlugSheet is an engineered precision hydroponic growing media, free of any organic materials and produced from a resin commonly used in many household items. OASIS® AeroSelect™ PlugSheet is designed for precision crop production in climates, conditions and systems with higher water demand.

Note: OASIS® AeroSelect™ PlugSheet growing media arrives clean and dry, without a starter charge. The media should be fertilized with initial watering. Physical properties were established using NCSU Porometer.

Properties	OASIS® AeroSelect® PlugSheet
pH	5.0 – 5.8
EC (mS/cm)	0.2 – 0.4
Total Porosity (%)	90 – 95
Air Porosity (%)	5 – 10
Water Holding Capacity (%)	85 – 90
Bulk Density (kg/m3)	12 – 16
Initial Water Content (%)	0



### 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.



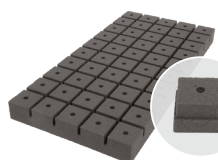
### Disposal

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.

## Product Options

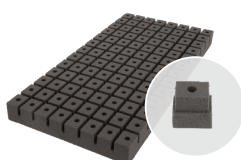
Item Code	Product Description	Dibble Type	Dibble Top Diameter	Dibble Spacing (L x W)	Plug/Sheet Dimensions (L x W x H)
87-80501	<b>50CT</b> OASIS® AeroSelect™ PlugSheet	Singleseed	1 cm ( $\frac{3}{8}$ " )	5.08 cm x 5.08 cm (2" x 2")	4.6 cm x 4.45 cm x 3.81 cm ( $1\frac{13}{16}$ " x $1\frac{3}{4}$ " x $1\frac{1}{2}$ " )
87-80502	<b>50CT</b> OASIS® AeroSelect™ PlugSheet	Multiseed			
87-81041	<b>104CT</b> OASIS® AeroSelect™ PlugSheet	Singleseed	1 cm ( $\frac{3}{8}$ " )	3.97 cm x 3.14 cm ( $1\frac{9}{16}$ " x $1\frac{15}{64}$ " )	3.3 cm x 2.54 cm x 3.81 cm ( $1\frac{11}{16}$ " x $1"$ x $1\frac{1}{2}$ " )
87-81042	<b>104CT</b> OASIS® AeroSelect™ PlugSheet	Multiseed			
87-81621	<b>162CT</b> OASIS® AeroSelect™ PlugSheet	Singleseed	1 cm ( $\frac{3}{8}$ " )	2.86 cm x 2.78 cm ( $1\frac{1}{8}$ " x $1\frac{1}{32}$ " )	2.26 cm x 2.26 cm x 3.81 cm ( $\frac{57}{64}$ " x $\frac{57}{64}$ " x $1\frac{1}{2}$ " )
87-81622	<b>162CT</b> OASIS® AeroSelect™ PlugSheet	Multiseed			
87-82761	<b>276CT</b> OASIS® AeroSelect™ PlugSheet	Singleseed	0.79 cm ( $\frac{5}{16}$ " )	2.2 cm x 2.06 cm ( $1\frac{1}{8}$ " x $1\frac{1}{32}$ " )	2.2 cm x 2.06 cm x 3.81 cm ( $\frac{1}{8}$ " x $\frac{13}{16}$ " x $1\frac{1}{2}$ " )
87-82762	<b>276CT</b> OASIS® AeroSelect™ PlugSheet	Multiseed			
87-80095	<b>Plain</b> OASIS® AeroSelect™ PlugSheet	N/A	N/A	N/A	Thin sheet 1.27 cm ( $\frac{1}{2}$ " ) H

NOTE: The 50CT, 104CT, 162CT sheets are etched around the plugs at the top. The plug dimensions (L x W) indicated are the top of the plug. The bottom dimensions are 0.32 cm ( $\frac{1}{4}$ " ) larger for length and width. For 276ct, 162ct, 104ct and 50ct: Sheet dimensions are 50.96 cm x 24.61 cm x 3.81 cm ( $20\frac{1}{16}$ " X  $9\frac{7}{16}$ " X  $1\frac{1}{2}$ " ). Units of sale are 20 sheets/case and 24 cases/pallet. For Plain Sheet: Sheet dimensions are 50.96 cm x 24.61 cm x 1.27 cm ( $20\frac{1}{16}$ " X  $9\frac{7}{16}$ " X  $\frac{1}{2}$ " ). Units of sales are 60 sheets per case and 24 cases/pallet. If your operation would benefit from a configuration not shown here, please let us know.



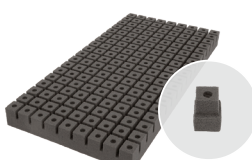
**50**

Count PlugSheet



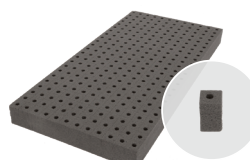
**104**

Count PlugSheet



**162**

Count PlugSheet



**276**

Count PlugSheet



**Plain**

PlugSheet



**Singleseed**



**Multiseed**