OASIS®

SUBSTRATES

AeroFamily

Engineered Sheet Substrates for Precision Hydroponic Farming

OASIS® AeroFamily Substrates represent the next generation of engineered foam substrates for precision hydroponic farming in controlled environments. Through years of research and innovation, the team at Oasis Grower Solutions developed these input-responsive soilless substrates in response to demonstrated needs among hydroponic growers.

Today's controlled environment growers face the very real challenges of climate change and the rapid evolution of the Controlled Environment Agriculture (CEA) industry itself. OASIS® AeroFamily Substrates provide precision hydroponic growers with real-world solutions specific to their crops, climates and growing systems — backed by unparalleled support.

Porosity optimized for climate and/or crop

Faster, more uniform germination and seedling growth

Food-safe complement to food safety programs

Clean, inert, free of pathogens and pests

Stable supply chain

OASIS® AeroFamily Substrates for precision hydroponic farming include **OASIS® AeroMax™ PlugSheet** and **OASIS® AeroSelect™ PlugSheet**

Comparison of OASIS® AeroMax™ PlugSheet and OASIS® AeroSelect™ PlugSheet:

Recommendations	OASIS® AeroMax® PlugSheet	OASIS® AeroSelect™ PlugSheet
Locations	Higher Latitudes, Temperate	Lower Latitudes, Tropical
Climatic Conditions	Mild to Moderate Temperatures	Warmer Temperatures
Water Requirements	Lower Water Demand	Higher Water Demand
Crop Recommendations	All Leafy Greens and Microgreens (Except Spinach)	All Leafy Green and Microgreens (Including Spinach)

PROPAGATING INNOVATION.

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AeroMax™ PLUGSHEET

OASIS® AeroMax™ PlugSheet

Introduced in 2021, OASIS® AeroMax™ PlugSheet engineered sheet substrate provides maximum air-filled porosity and high drainage to allow rapid refreshment of the nutrient solution in the root zone — and circumvent algae growth on the substrate surface.

OASIS® AeroMax™ PlugSheet performs extremely well under the following growing conditions:

+ Temperate, higher-latitude climates
+ Mild to moderate temperatures
+ Crops and systems with lower water demand year-round and/or seasonally
+ Ideal for all leafy greens and microgreens, except spinach. (Spinach enjoys better germination with OASIS® AeroSelect™ growing media.)

AeroSelect™ PLUGSHEET
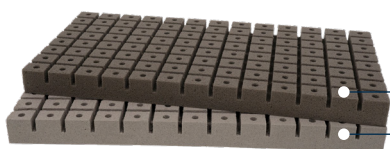

OASIS® AeroSelect™ PlugSheet

Launched in early 2024, OASIS® AeroSelect™ PlugSheet engineered sheet substrate was developed in direct response to grower requests for an OASIS® AeroFamily Substrates option with higher water-holding capacity.

OASIS® AeroSelect™ PlugSheet is ideally suited to the following growing conditions:

+ Lower-latitude, tropical climates
+ Warmer temperatures
+ Crops and systems with higher water demand year-round and/or seasonally
+ Ideal for all leafy greens and microgreens, including spinach

Physical properties of OASIS® AeroMax™ PlugSheet and OASIS® AeroSelect™ PlugSheet:

Properties	OASIS® AeroMax® PlugSheet	OASIS® AeroSelect™ PlugSheet
pH	5.0 - 5.8	5.0 - 5.8
EC (mS/cm)	0.2 - 0.4	0.2 - 0.4
Total Porosity (%)	95 - 99	90 - 95
Air Porosity (%)	10 - 15	5 - 10
Water Holding Capacity (%)	80 - 85	85 - 90
Bulk Density (kg/m3)	12 - 16	12 - 16
Initial Moisture Content (%)	0	0

OASIS® AeroMax™ PlugSheet and OASIS® AeroSelect™ PlugSheet foam substrates are available in multiple configurations including:

— OASIS® AeroMax™ PlugSheet 104CT

— OASIS® AeroSelect™ PlugSheet 104CT

Note: For more information, please refer to Product Overview sheets.

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