



Sun Char™



Product Description

Sun Char is Sun Gro Horticulture's unique, 100% biochar substrate. It is a light weight, wood based biochar that is specifically designed for horticultural purposes. Sun Char has a highly consistent particle size similar to coarse horticultural perlite. The material is also OMRI® and Ecocert, certified, making it a versatile component for various organic applications. The feedstock for SunChar is 100% wood based, derived as a byproduct from the forestry industry. The porous internal structure of biochar has a high surface area allowing for increased water holding capacity, cation exchange capacity and pH buffering capacity relative to perlite. These attributes make Sun Char an excellent aggregate for container mixes.

Ingredients

100% Wood Biochar

Application

Sun Char can be used in the commercial greenhouse industry in mix your own growing media for vegetable, bedding plants, potted plants, nursery plants and organic food production. It is suitable for most containers (outside of propagation), including flats, pots, larger containers and hanging baskets. Also suitable for in ground use to reduce soil compaction and improve drainage.

Use Information

Loose fill product and compressed mix should be fluffed after removal from the package for maximum yield. The addition of a small amount of moisture during fluffing is advantageous. Avoid over mixing and over application of moisture that may result in degrading the blend structure. Consult with your regional Grower Specialist for expert advice on blending and nutritional program.

The above data is for informational purposes only. Sun Gro Horticulture makes no warranty expressed or implied regarding the information provided herein. Due to individual state requirements, the actual "registered product name" may vary by state.

Physical Characteristics

Parameter	Units	Typical Range
Bulk Density	lb/cf (kg/L)	6 to 11 (0.10 to 0.17)
Moisture Content	%	10 to 40
Hydrogen: Carbon (H:C) Ratio	-	< 0.4
Ash Content	%	< 7

Information represents the product for general reference only. Further testing is advised at time of use. Air and water capacity are calculated. Moisture and bulk density are historical averages at the time of product mixing.

pH & EC Parameters

Parameter	Units	Typical Range
pH	-	6.5 to 9.5
EC	mS/cm	< 0.5

pH & EC are based on the 2:1 method. Range at Time of Production are historical averages at the time of product mixing. Typical Range 7 Days After Initial Watering is dependent on grower practices (watering, fertilizer, storage, and time since production).

Packaging

Product Size	Units/ Pallet	Dimensions	Typical Weight lbs (kg)
70 cu. ft. Loose	1	48 x 48 x72"	~880 (399)

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Sun Char is just one product of our Sun Gro Horticulture Professional Growing Mix line. To find the right mix for your needs call your Sun Gro representative for more information:

Toll free Customer Resource Center 1-800-PEAT-MOSS (1-800-732-8667)

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