

Produced from pine residues superheated to 900 °C for a pathogen-free renewable amendment

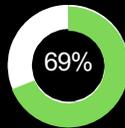
BioVermiculite™ is an engineered biocarbon soil amendment designed to deliver excellent soil performance as a sustainable alternative to mined vermiculite. Its higher free air space improves air and water movement in soil, while increasing water-holding capacity and natural potassium and calcium nutrients. With a balanced Ca:Mg ratio of ~2.0 BioVermiculite™ fosters stronger growth than the lower 0.7 ratio found in mined Vermiculite.



Measured Properties: BioVermiculite vs Vermiculite



Free Air Space



Water Holding Capacity



pH



Nutrients

Benefits

Engineered to enhance soil performance with a sustainable alternative to vermiculite

Quality substrate

Lightweight, does not degrade, pathogen free

Enhanced drainage

Uniform particle size for exceptional drainage and minimum surface moisture evaporation

Drought tolerance

Improved water holding capacity for greater drought resilience, supporting plant survival and reducing nutrient leaching

Nutrient composition

Contains potassium, calcium, and magnesium, supporting shoot and root biomass establishment

Reduces plant stress

Reduces the salinity of the soil media blend mitigating plant stress

Optimal pH balance

Alkaline pH reduces need for limestone when using sphagnum peat

Available Nutrients

(Ammonium Bicarbonate / DTPA)

Potassium, ppm	456	5089
Calcium, ppm	290	2999
Magnesium, ppm	2945	431
Calcium/Magnesium (meq)	0.7	2.0
Vermiculite vs BioVermiculite		

Our Mission

Conventional agricultural and gardening practices often depend on inputs that carry a heavy environmental cost. We enable change by giving you a choice -reduce carbon emissions, enhance resource efficiency, and obtain reliable results. We believe sustainable solutions must perform competitively and cost less than conventional options to achieve real change. BioVermiculite™ is designed to make that possible

info@biovermiculite.com

SPECIFICATIONS
PROPERTIES - MEDIUM GRADE

Property	Value
Bulk Density	160 pounds/cubic yard
Particle Size	Greater than 85% 1-4 mm
Moisture	30 weight percent
pH	10
Carbon	85 percent (dry basis)
Free Air Space	28 volume percent
Water Holding Capacity	125 gallons/cubic yard

BioVermiculite™
APPLICATION GUIDANCE

Home Garden	Spread two cubic yards per 1000 square feet, tilled six inches into the soil. Prepare two to three weeks prior to planting for maximum result
Transplants	<p>Dig a hole 1.5 to 2x wider than your plants root ball and to the depth of the ball. Place the backfill in a bucket and mix the soil with BioVermiculite™ with the recommended dosage. Place the transplant into the hole so that plant crown is at the surface and not completely buried. Shovel the backfill mixture into the hole and pack firmly.</p> <p style="text-align: center;">Annual vegetables = 1 cup per plant Large, fruited crops (tomato, peppers) = 1 – 2 cups per plant Woody perennials / trees = ½ to 1 gallon per plant</p>
Containers	<p>1 gallon pot = ½ to 1 cup 3-gallon pot = 5 to 10 cups 5-gallon pot = 0.6 to 1.25 gallons 10-gallon pot = 1.25 to 2.5 gallon 20-gallon pot = 2.5 to 5 gallons</p>
Raised Beds	Spread ½ to 1 inch layer of BioVermiculite™ on top and mix/till into top six inches. Prepare two to three weeks prior to planting for maximum result

PACKAGING, WEIGHT & PRICING

Packaging	48 x 48 x 102 2 x 2 cubic yard supersacks per pallet, 26 pallets per truck
Weight	1200 pounds with pallet and bags per 2 x 2 cubic yard supersacks
Pricing	Competitively priced, email for quote based on quantity and location

info@biovermiculite.com