GROWING MEDIA FOR LIVING ROOFS AND ROOFTOP FARMING SYSTEMS



TOP LEAF ROOF FARM BLEND

Our Full Farm Blend is an engineered soil for ground level and rooftop farming with optimal organic matter and nutrient content to meet the special requirements for food production. TopLeaf® growing medium is a precisely balanced blend of light weight mineral aggregates sourced regional like LavaRox® and pumice and premium organic components of OMRI certified compost, BIO365 bioCoco® and BlackOwl® biochar - complying with the following requirements:

omrail certified compost, BIO365 bioCocol following requirements:	B) and BlackOv	vl® biochar	· - complying v	with the
Particle Size Distribution				
Proportion of silting components < 0.063 mm			Mass %	< 4
Proportion of particles < 0.25 mm 60 mesh			Mass %	4.2
Proportion of particles < 1.00 mm 18 mesh			Mass %	15.5
Proportion of particles < 3.20 mm 1/8 inch			Mass %	25.6
Proportion of particles < 6.30 mm 1/4 inch			Mass %	30.2
Proportion of particles < 9.50 mm 3/8 inch			Mass %	21.5
Density Measurements				
Bulk Density (dry weight basis)			3 lb/ft	37.8
Bulk Density (at max. water-holding capacity)			lb/ft ³	80.7
Water/Air Measurements				
Total Porosity			Vol.%	62.9
Water Retention (% of dry weight)			Vol.%	65
Air-filled porosity at max water-holding capacity			Vol.%	33.4
Water Availability			Vol. %	27.3
Water permeability (saturated hydraulic conductivity)			in/min	0.06 – 0.94
pH and Salt Content				
рН				6.3
Soluble salts (water, I:I0, m:v)			g (KCI)/L	< 2.4
Organic Measurements				
Organic matter content			Mass %	22.8
Carbon : Nitrogen ratio			16:1	<20
TEC Capacity (Total exchangeable Cations)			meq/kg	159
Nutrients / Plant available				
Nitrogen N (NO3-N)	High	4	ppm	447
Phosphorus, (P)	High	4	ppm	268
Potassium, (K)	High	13.6	ppm	4,261
Magnesium, (Mg)	Optimal	2.1	ppm	912
Calcium (Ca)	Low	0.2	ppm	663
All values are based on compacted materials according German Landscape Research, Development and Const certification standards for food growing soil based med	ruction Society (FL	ndards and tes L) 2012, and t	sting methods defi the USDA,CCOF a	ned by The nd OMRI organic

certification standards for food growing soil based medium.

ranges for the respective Top Leaf products. This is detailed information for the San Francisco Bay region and lab specific analysis, please inquire for our latest test results.

All Density Measurements reflect typical

Nutrients of newly blended products will temporarily exceed upper limits. Consistent nutrient values will typically be achieved soon after installation.

The details contained in these specifications correspond with Top Leaf Farms technical knowledge at the time of publication. Top Leaf Farms reserves the right to update and adjust performance specifications from time to time in accordance with new insight and to modify the named properties of the product.

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