

WALLACE LABS
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MEDIA REPORT

Print Date Dec. 19, 2024 Receive Date 12/17/24

Location Tawa LLC
Requester David Velez
graphic interpretation: * very low, ** low, *** moderate

ammonium bicarbonate/DTPA

**** high, ***** very high

extractable - mg/kg soil	Sample ID Number	24-353-25	24-353-25
Interpretation of data	Sample Description	Coco Coir + Perlite	Coco Coir + Perlite
low medium high	elements	extractable	saturation extract
0 - 12 16 - 28 32 - 44	phosphorus	3,102.59	164.63
0-240 240-500 500-700	potassium	5,794.49	221.69
0- 12 12- 20 over 20	iron	2.86	0.64
0 - 2 3 - 4 over 5	manganese	230.35	1.72
0 - 4 4 - 6 over 6	zinc	69.70	0.14
0- 0.5 0.6 - 1 over 1	copper	60.18	0.10
0 - 1 1 - 2 over 2	boron	3.12	0.50
	calcium	7,447.71	84.97
	magnesium	540.47	23.95
	sodium	310.51	12.63
	sulfur	702.03	38.86
	molybdenum	0.69	n d
	nickel	n d	n d
	aluminum	n d	n d
The following trace elements may be toxic	arsenic	0.41	n d
The degree of toxicity depends upon the pH of the soil, soil texture, organic matter, and the concentrations of the individual elements as well as to their interactions.	barium	0.34	n d
	cadmium	n d	n d
	chromium	n d	n d
	cobalt	n d	n d
	lead	3.27	n d
	lithium	2.21	0.06
	mercury	n d	n d
	selenium	n d	n d
	silver	n d	n d
The pH optimum depends upon soil organic matter and soil content-	silicon	67.35	2.16
	strontium	19.63	0.53
	tin	n d	n d
	vanadium	n d	n d
under 5 may be too acidic			
6 to 7 may be good	Saturation Extract		
over 8.0 is too alkaline	pH value	4.75	*
The ECe is a measure of the media salinity:	ECe (milli-mho/cm)	1.12	***
good at 100 ppm	calcium	85.0	4.2
good at 25 ppm	magnesium	23.9	2.0
	sodium	12.6	0.5
good at 25 ppm	ammonium as N	2.3	0.2
good at 100 ppm	potassium	221.7	5.7
	cation sum		12.6
problems over 150 ppm	chloride	16	0.5
good at 100 ppm	nitrate as N	57.6	4.1
good at 40 ppm	phosphorus as P	164.6	5.3
toxic over 800	sulfate as S	38.9	2.4
	anion sum		12.3
toxic over 1 for many plants	boron as B	0.50	***
increasing problems start at 3	SAR	0.3	*
est. gypsum requirement-lbs./cubic yard		7	
	relative infiltrate rate	good	
	lime (calcium carbonate)	no	
	organic matter	good	
	moisture content of media	374.2%	
	half saturation percentage	814.3%	

Elements are expressed as mg/kg dry soil or mg/l for saturation extract.
pH and ECe are measured in a saturation paste extract. nd means not detected.