WALLACE LABORATORIES, LLC
365 Coral Circle
El Segundo, CA 90245
phone (310) 615-0116 fax (310) 640-6863

July 5, 2010

wendy@herbalroom.com
Wendy Wu
ECCM
5910 Monterey Road
Los Angeles, CA 90024

RE: Future Soil for Side Yard

Dear Wendy,

The soil is alkaline with a pH of 7.46. The salinity is elevated at 2.14 millimho/cm. Nutrients are well supplied except for nitrogen which is low. Chloride is high. Magnesium is high.

Recommendations

General soil preparation for turf, ground cover and shrub areas. Broadcast the following materials uniformly. The rates are per 1,000 square feet. Incorporate them homogeneously 6 inches deep:

Ammonium sulfate (21-0-0) – 5 pounds
agricultural gypsum - 15 pounds

For the preparation of backfill mix for container plants and boxed trees, homogeneously blend the following materials into excavated soil. Rates are expressed per cubic yard:

Ammonium sulfate (21-0-0) – 1/4 pound
agricultural gypsum – 1 pound

For site maintenance, apply ammonium sulfate (21-0-0) at 5 pounds per 1,000 square feet about once per quarter. Monitor the site with periodic soil testing.

Sincerely,

John S. Wallace
JSW:n

WALLACE LABS	MEDIA REPORT	Print Date	July 5, 2010	Receive Date	7/2/10
365 Coral Circle	Location	Future Soil for Vegetable Garden			
El Segundo, CA 90245	Requester	Wendy Yu, ECCM			
(310) 615-0116	graphic interpretation: * very low, ** low, *** moderate				
ammonium bicarbonate/DTPA	**** high, ***** very high				

extractable - mg/kg soil	Sample ID Number	10-186-06	
Interpretation of data	Sample Description	Side Yard	
low medium high	elements		graphic
0 - 12 16 - 28 32 - 44	phosphorus	269.91	*****
0-240 240-500 500-700	potassium	4,033.48	*****
0- 12 12- 20 over 20	iron	16.55	***
0 - 2 3 - 4 over 5	manganese	23.99	****
0 - 4 4 - 6 over 6	zinc	38.96	****
0- 0.5 0.6 - 1 over 1	copper	2.52	****
0 - 1 1 - 2 over 2	boron	1.27	***
ratio of calcium to magnesium	calcium	2,721.50	*****
needs to be more than 2 or 3	magnesium	813.16	*****
should be less than potassium	sodium	768.18	***
	sulfur	219.12	**
	molybdenum	n d	*
	nickel	n d	*
The following trace	aluminum	n d	*
elements may be toxic	arsenic	n d	*
The degree of toxicity	barium	2.82	*
depends upon the pH of	cadmium	0.13	*
the soil, soil texture,	chromium	n d	*
organic matter, and the	cobalt	0.28	*
concentrations of the	lead	3.60	*
individual elements as well	lithium	1.58	*
as to their interactions.	mercury	n d	*
	selenium	n d	*
The pH optimum depends	silver	0.12	*
upon soil organic	strontium	20.06	**
matter and soil content-	tin	n d	*
	vanadium	0.15	*
under 5 may be too acidic			
6 to 7 may be good	Saturation Extract		
over 8.0 is too alkaline	pH value	7.46	***
The ECe is a measure of	ECe (milli-	2.14	****
the media salinity:	mho/cm)		

			millieq/l
good at 200 ppm	calcium	68.0	3.4
good at 25 ppm	magnesium	21.8	1.8
	sodium	116.8	5.1
good at 25 ppm	ammonium as N	1.4	0.1
good at 150 ppm	potassium	476.2	12.2
	cation sum		22.6
problems over 150 ppm	chloride	372	10.5
good at 100 ppm	nitrate as N	2	0.2
good at 40 ppm	phosphorus as P	16.8	0.5
toxic over 800	sulfate as S	68.0	4.3
	anion sum		15.4
toxic over 1 for many plants	boron as B	0.21	**
increasing problems start at 3	SAR	3.2	***
est. gypsum requirement-lbs./cubic yard		16	
	relative infiltrate rate	fair/slow	
	lime (calcium carbonate)	no	
	organic matter	good	
	moisture content of media	133.8%	
	half saturation percentage	223.6%	

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.