



Report of Analysis

Lab No. 240190
Sampled Date 6/14/2016
Submitted Date 6/16/2016

Reported Date 6/27/2016
Location/Project
Copy To
Fax

CA 95403

ID: Potting Mix

No.	Description	%	units	dS/m	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
		SP	pH	EC	Ca	Mg	Na	Cl	NO ₃ -N	PO ₄ -P	K	Zn	Fe	Mn	Cu
	RL--->	0.50	1.0	0.01	1.0	0.5	0.5	0.1	0.1	1.0	0.50	0.1	0.1	0.1	0.1
	NAPT Methods--->	S1.00	S1.10	S1.20	S1.60	S1.60	S1.60	S1.40	S1.80	S1.80	S1.60	S1.60	S1.60	S1.60	S1.60
	Handbook 60--->														

2	Marley	260	7.2	7.56	233	96.2	481		13.6	1	944				
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NO₃-N added to report.

Potting Media	"Texture"	"Acidity"	Tot. Salts	Calcium	Magnesium	Sodium	Chloride	Nitrate*	Phosphate*	Potassium	Zinc	Iron	Manganese	Copper
Low	Sand<20	<6.0	0.5	Ca<2xNa	<25		< 2	<30	<5	<100	<0.2	<0.5		
Norm	100-200	6.5-7.8	0.6-2.0	50+	30-70	<40	2-40	40-80	10-50	120-300	0.5-2.0	0.6+	0.3+	0.02+
High	Hi Org>200	8.0+	3.5+ **		Mg>Ca	Na>Ca	45+	150+	100+	400+				

*Tissue analysis can be used to track nutrient use during the growing season.

** = EC up to 5.0 not a problem if primarily calcium

(mg/l is equivalent to ppm)

Note: Nutrient availability at any one time will be influenced by the particle size and structure of the ingredients of the potting mix.

*** = High & Low levels are based on consultant interpretation of the situation, including plant specie, rootstock, age, irrigation system, etc.



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1910 W. McKinley, Suite 110, Fresno, CA 93728
 FAX (559) 268-8174 - (800) 228-9896 - (559) 233-6129

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Identification Potting Mix

No. Description	%	%	C:N	%	%	%	%	%	%	%	%	mg/kg	mg/kg	mg/kg	mg/kg	%	%
	Ash	OM	Ratio	N	P	P ₂ O ₅	K	K ₂ O	Na	Ca	Mg	Fe	Cu	Mn	Zn	S	Cl
MDL-->	0.01	0.01	0.1	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.01	0.05	0.05	0.001	0.001
RL-->	0.01	0.01	0.1	0.01	0.01	0.01	0.02	0.02	0.01	0.015	0.01	10.0	1.0	10.0	10.0	0.01	0.1
TMECC Methods-->	03.03-B	05.07-A	Calc	04.02-D	04.03-A	Calc	04.04-A	Calc	04.05-Na	04.05-Ca	04.05-Mg	04.05-Fe	04.07-Cu	04.05-Mn	04.05-Zn	04.05-S	04.05-Cl
RMMA Methods-->				3.3	6.3		6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	
Analysis Date:	6/22/16	6/22/16	6/20/16	6/21/16	6/22/16	6/22/16	6/22/16	6/22/16	6/22/16	6/22/16	6/22/16	6/22/16	6/22/16	6/22/16	6/22/16	6/22/16	6/21/16
Analysis Time:	7:00	7:00		13:34	15:05	15:05	15:05	15:05	15:05	15:05	15:05	15:05	15:05	15:05	15:05	15:05	12:40
	dry basis	dry basis	dry basis	dry basis	dry basis	dry basis	dry basis	dry basis	dry basis	dry basis	dry basis	dry basis	dry basis	dry basis	dry basis	dry basis	dry basis
2 Marley	63.30	36.70	30.90	0.69	0.15	0.34	0.53	0.64	0.18	1.22	0.49	8440	36	241	58	0.40	0.20



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Identification Potting Mix

No. Description	%	%	%	C:N	%	%	%	%	%	%	%	%	mg/kg	mg/kg	mg/kg	mg/kg	%	%
	Moisture	DM	OM	Ratio	N	P	P2O5	K	K2O	Na	Ca	Mg	Fe	Cu	Mn	Zn	S	Cl
MDL-->	0.01	0.01	0.01	0.1	0.01	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.01	0.05	0.05	0.001	0.001
RL-->	0.01	0.01	0.01	0.1	0.01	0.01	0.01	0.02	0.02	0.01	0.015	0.01	10.0	1.0	10.0	10.0	0.01	0.1
TMECC Methods-->	03.09-A	Calc	05.07-A	Calc	04.02-D	04.03-A	Calc	04.04-A	Calc	04.05-Na	04.05-Ca	04.05-Mg	04.05-Fe	04.07-Cu	04.05-Mn	04.05-Zn	04.05-S	04.05-Cl
RMMA Methods-->	2				3.3	6.3		6.3		6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	
Analysis Date:	6/20/16	6/20/16	6/20/16		6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16	6/20/16
Analysis Time:	10:44	10:44																
	as rec'd	as rec'd	as rec'd	as rec'd	as rec'd	as rec'd	as rec'd	as rec'd	as rec'd	as rec'd	as rec'd	as rec'd	as rec'd	as rec'd	as rec'd	as rec'd	as rec'd	as rec'd
2 Marley	28.65	71.35	26.20	30.90	0.49	0.11	0.25	0.38	0.45	0.13	0.87	0.35	6020	26	172	41.5	0.29	0.20

	Pounds of Nutrients/Ton As Rec'd											
	N	P ₂ O ₅	K ₂ O	Na	Ca	Mg	Fe	Cu	Mn	Zn	S	Cl
	Nitrogen	Phosphate	Potash	Sodium	Calcium	Magnesium	Iron	Copper	Mang.	Zinc	Sulfur	Chloride
1	10.0	10.6	9.0	1.8	26.4	9.8	21.6	0.05	0.51	0.1	5.6	2.0
2	9.8	5.0	9.0	2.6	17.4	7.0	12.0	0.05	0.34	0.1	5.8	4.0
3	11.8	16.6	9.8	2.8	25.2	6.0	7.8	0.05	0.28	0.1	5.8	2.0

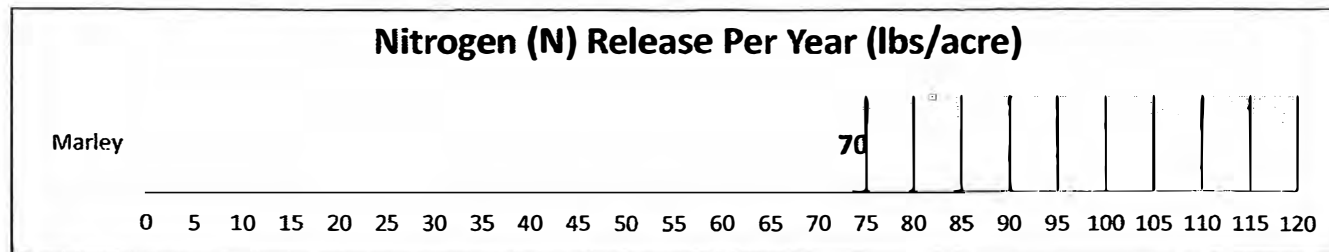
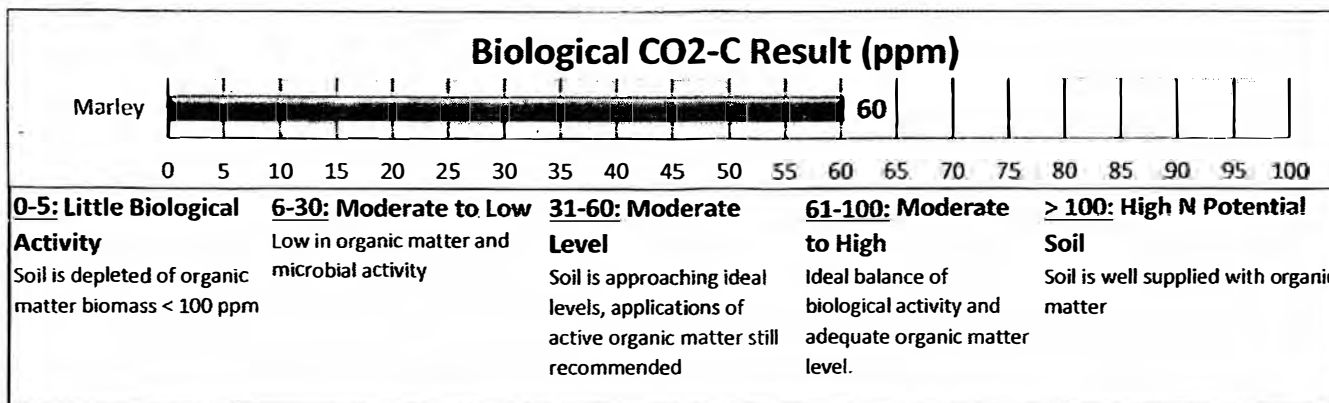
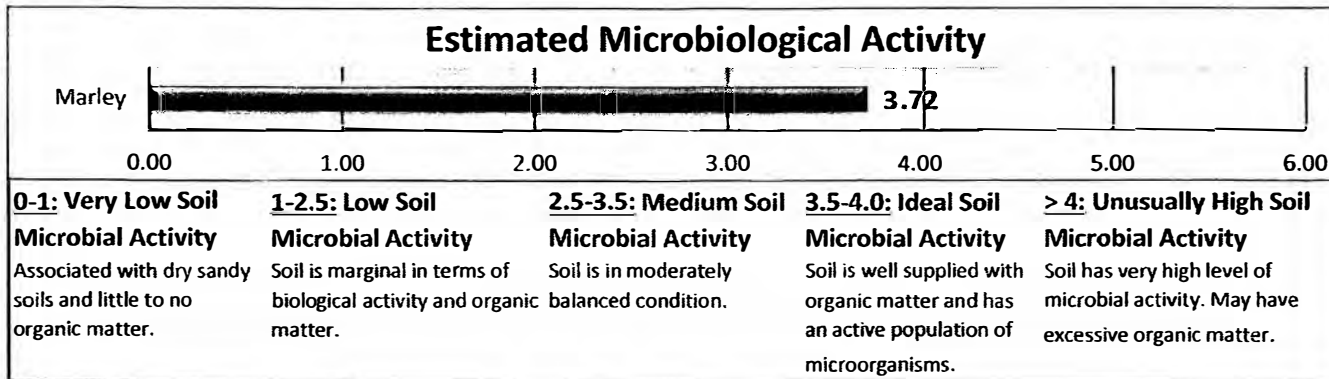
There is no approved method for EC in manure.



Denele Analytical, Inc. Environmental and Agricultural Analysis

Denele Respiration Rate

Report Date: 6/23/2016
Sample ID: Marley
Lab ID: 787305B



Microbial Activity	2404	Estimated lbs/Acre
Ammonia (NH₄)	0	Estimated lbs/Acre
Ammonia (NH₄)	0	ppm

Liability Limits:

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