

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Vellano Country Club City Chino Hills State CA

Independent Consultant Soil and Water Consulting Date 7/7/2017

Sample Location GREEN				12	16			
Sample Identification								
Lab Number				1178-1	1179-1			
Total Exchange Capacity (ME/100 g)				4.63	3.86			
pH (H ₂ O 1:1)				7.3	7.3			
Organic Matter (360°C LOI) %				0.92	0.81			
Estimated Nitrogen Release lb/A				37	32			
ANIONS	SOLUBLE SULFUR* ppm			17	17			
	PHOSPHORUS	MEHLICH III lb/A	P as P ₂ O ₅ ppm of P					
		BRAY II lb/A	P as P ₂ O ₅ ppm of P					
		OLSEN lb/A	P as P ₂ O ₅ ppm of P	27 6	41 9			
EXCHANGEABLE CATIONS	CALCIUM* lb/A		1470	1220				
	ppm		735	610				
	MAGNESIUM* lb/A		114	92				
	ppm		57	46				
EXCHANGEABLE CATIONS	POTASSIUM* lb/A		86	84				
	ppm		43	42				
	SODIUM* lb/A		82	74				
	ppm		41	37				
BASE SATURATION PERCENT								
Calcium %				79.37	79.02			
Magnesium %				10.26	9.93			
Potassium %				2.38	2.79			
Sodium %				3.85	4.17			
Other Bases %				4.10	4.10			
Hydrogen %				0.00	0.00			
EXTRACTABLE MINORS								
Boron M3 (ppm)								
Iron** (ppm)				11	9			
Manganese** (ppm)				2	1			
Copper** (ppm)				0.76	0.37			
Zinc** (ppm)				4.55	1.72			
Aluminum (ppm)								
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							

* Ammonium Acetate Extractable (pH of 8.1)

** DTPA Extractable