

Soil Report

Job Name **Earth Care Farm**

Date **3/3/2022**

Company **Earth Care Farm**

Submitted By _____

Sample Location		Penelope	Felicia			
Sample ID		121520	033021			
Lab Number		10	11			
Sample Depth in inches		6	6			
Total Exchange Capacity (M. E.)		31.41	22.30			
pH of Soil Sample		7.4	8.1			
Organic Matter, Percent		13.48	13.35			
ANIONS	SULFUR: p.p.m.	22	17			
	Mehlich III Phosphorous: as (P ₂ O ₅) lbs / acre	1084	1293			
EXCHANGEABLE CATIONS	CALCIUM: Desired Value lbs / acre Value Found Deficit	11416	7988			
	MAGNESIUM: Desired Value lbs / acre Value Found Deficit	214	214			
	POTASSIUM: Desired Value lbs / acre Value Found Deficit	298	298			
	SODIUM: lbs / acre	156	148			
BASE SATURATION %	Calcium (60 to 70%)	90.87	89.56			
	Magnesium (10 to 20%)	2.84	4.00			
	Potassium (2 to 5%)	1.22	1.71			
	Sodium (.5 to 3%)	1.08	1.44			
	Other Bases (Variable)	4.00	3.30			
	Exchangeable Hydrogen (10 to 15%)	0.00	0.00			
TRACE ELEMENTS	Boron (p.p.m.)	0.92	0.64			
	Iron (p.p.m.)	118	111			
	Manganese (p.p.m.)	18	16			
	Copper (p.p.m.)	0.85	0.76			
	Zinc (p.p.m.)	9.5	9.98			
	Aluminum (p.p.m.)	34	50			
OTHER	Cobalt ppm	< 0.02	0.044			
	Molybdenum ppm	0.35	0.46			
	Ammonium (p.p.m.)	6.7	2.9			
	Nitrate (p.p.m.)	115.7	11.2			
	Selenium ppm	1.46	1.39			
	Silicon ppm	2.2	2.5			
	Estimated Nitrogen Release #N/Acre	127	127			
	EC mmhos/cm	0.7	0.26			
	Media Density g/cm3	0.54	0.55			