

# Soil Report

Job Name **Shango Los**

Date **8/20/2021**

Company **Shaping Fire LLC**

Submitted By

Sample Location		Start 01	End 01			
Sample ID						
Lab Number		74	75			
Sample Depth in inches		8	8			
Total Exchange Capacity (M. E.)		23.26	17.44			
pH of Soil Sample		6.4	6.0			
Organic Matter, Percent		40.42	36.24			
<b>ANIONS</b>	<b>SULFUR:</b> p.p.m.	67	38			
	<b>Mehlich III Phosphorous:</b> as (P <sub>2</sub> O <sub>5</sub> ) lbs / acre	2454	1594			
<b>EXCHANGEABLE CATIONS</b>	<b>CALCIUM:</b> Desired Value lbs / acre Value Found Deficit	7259	5355			
	<b>MAGNESIUM:</b> Desired Value lbs / acre Value Found Deficit	1293	900			
	<b>POTASSIUM:</b> Desired Value lbs / acre Value Found Deficit	2139	875			
	<b>SODIUM:</b> lbs / acre	181	117			
<b>BASE SATURATION %</b>	Calcium (60 to 70%)	58.52	57.56			
	Magnesium (10 to 20%)	17.37	16.12			
	Potassium (2 to 5%)	8.84	4.82			
	Sodium (.5 to 3%)	1.27	1.09			
	Other Bases (Variable)	5.00	5.40			
	Exchangeable Hydrogen (10 to 15%)	9.00	15.00			
<b>TRACE ELEMENTS</b>	Boron (p.p.m.)	1.05	0.74			
	Iron (p.p.m.)	221	217			
	Manganese (p.p.m.)	31	23			
	Copper (p.p.m.)	1.16	1.31			
	Zinc (p.p.m.)	18.47	13.43			
	Aluminum (p.p.m.)	507	777			
<b>OTHER</b>	Cobalt ppm	0.088	0.131			
	Molybdenum ppm	0.28	0.23			
	Ammonium (p.p.m.)	6.2	0.8			
	Nitrate (p.p.m.)	356.9	89.5			
	Selenium ppm	0.17	< 0.02			
	Silicon ppm	7.2	6.9			
	Estimated Nitrogen Release #N/Acre	130	130			
	EC mmhos/cm	0.72	0.29			
	Media Density g/cm3	0.32	0.65			