GreenScan

Important Benefits of Healthy Soil for Life

Healthy soil is the basic source of healthy food production

Home to a quarter of the planet's biodiversity

Soil helps fight and adapt to climate change on earth

Soil is an important element to maintain the food security of living things

Soil is a storage and filter for water for the life of earth creatures

Soil Test Report for
Maui Tropical Plantation ‘s Farm

Sample Information:

- Sample ID: T-2023-001
- Date Collected: January 15, 2023
- Location: Maui Tropical Plantation

Soil Test Results:

- Nitrogen (N): 20 ppm (Optimal Range: 10-50 ppm)
- Phosphorus (P): 30 ppm (Optimal Range: 20-40 ppm)
- Potassium (K): 40 ppm (Optimal Range: 30-60 ppm)
- Calcium (Ca): 1200 ppm (Optimal Range: 800-1200 ppm)
- Magnesium (Mg): 150 ppm (Optimal Range: 100-200 ppm)
- Sulfur (S): 20 ppm (Optimal Range: 10-30 ppm)
- Iron (Fe): 10 ppm (Optimal Range: 5-20 ppm)
- Manganese (Mn): 5 ppm (Optimal Range: 3-10 ppm)
- Zinc (Zn): 2 ppm (Optimal Range: 1-5 ppm)

Nutrient	Nutrient Level (ppm)	Optimal Range (ppm)
Nitrogen (N)	20	10-50
Phosphorus (P)	30	20-40
Potassium (K)	40	30-60
Calcium (Ca)	1200	800-1200
Magnesium (Mg)	150	100-200
Sulfur (S)	20	10-30
Iron (Fe)	10	5-20
Manganese (Mn)	5	3-10
Zinc (Zn)	2	1-5

Soil Nutrient Recommendations:

- Nitrogen (N): Optimal range can be achieved by applying a nitrogen-based fertilizer.
- Phosphorus (P): Phosphorus levels are at an adequate level.
- Potassium (K): Optimal range can be achieved by applying a potassium-rich fertilizer.
- Calcium (Ca): Calcium levels are within the optimal range.
- Magnesium (Mg): Magnesium levels are adequate.
- Sulfur (S): Sulfur-containing amendments should be applied if necessary.
- Iron (Fe): Iron levels are within the optimal range.
- Manganese (Mn): Manganese levels are adequate.
- Zinc (Zn): Zinc levels are within the optimal range.