

Soil Test Report

Prepared For:

 William Brown
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 Boston, MA 02129

 bbrown@brownsardina.com
 617-851-0258

Sample Information:

Sample ID: 4/10/14 Duffy Front





 Order Number: 51211
 Lab Number: S200918-311
 Area Sampled:
 Received: 9/18/2020
 Reported: 10/2/2020

Results

<i>Analysis</i>	<i>Value Found</i>	<i>Optimum Range</i>	<i>Analysis</i>	<i>Value Found</i>	<i>Optimum Range</i>
Soil pH (1:1, H ₂ O)	4.7		Cation Exch. Capacity, meq/100g	8.5	
Modified Morgan extractable, ppm			Exch. Acidity, meq/100g	7.6	
<i>Macronutrients</i>			Base Saturation, %		
Phosphorus (P)	2.1	4-14	Calcium Base Saturation	7	50-80
Potassium (K)	40	100-160	Magnesium Base Saturation	2	10-30
Calcium (Ca)	121	1000-1500	Potassium Base Saturation	1	2.0-7.0
Magnesium (Mg)	19	50-120	Scoop Density, g/cc	1.19	
Sulfur (S)	21.7	>10	Optional tests		
<i>Micronutrients *</i>			Soil Organic Matter (LOI), %	1.9	
Boron (B)	0.1	0.1-0.5			
Manganese (Mn)	2.7	1.1-6.3			
Zinc (Zn)	0.7	1.0-7.6			
Copper (Cu)	0.4	0.3-0.6			
Iron (Fe)	95.9	2.7-9.4			
Aluminum (Al)	95	<75			
Lead (Pb)	1.5	<22			

* Micronutrient deficiencies rarely occur in New England soils; therefore, an Optimum Range has never been defined. Values provided represent the normal range found in soils and are for reference only.

Soil Test Interpretation

Nutrient	Very Low	Low	Optimum	Above Optimum
Phosphorus (P):				
Potassium (K):				
Calcium (Ca):				
Magnesium (Mg):				

Recommendations for Data only (no recommendations requested)

Comments:

-The lead level in this soil is less than 22 ppm, which falls below the listed optimum level. However, many variables affect this result, and safety thresholds vary by location and soil use. There is still a potential risk of lead exposure for soils used for growing food or as play areas for children. Our Total Sorbed Metals test provides an accurate measurement of soil lead. For more information about lead levels in soil, see the fact sheet entitled "Soil Lead: Testing, Interpretation, & Recommendations," listed under General References at the end of this report. ATTN: The Total Sorbed Metals Test is currently unavailable. We apologize for any inconvenience.

General References:

Interpreting Your Soil Test Results

<http://soiltest.umass.edu/fact-sheets/interpreting-your-soil-test-results>

Soil Lead: Testing, Interpretation & Recommendations

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UMass Extension Nutrient Management

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Soil Test Report

Prepared For:

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617-851-0258

Sample Information:

Sample ID: **4/10/14 Duffy Rear**





Order Number: 51211
Lab Number: S200918-315
Area Sampled:
Received: 9/18/2020
Reported: 10/2/2020

Results

<i>Analysis</i>	<i>Value Found</i>	<i>Optimum Range</i>	<i>Analysis</i>	<i>Value Found</i>	<i>Optimum Range</i>
Soil pH (1:1, H ₂ O)	4.5		Cation Exch. Capacity, meq/100g	9.5	
Modified Morgan extractable, ppm			Exch. Acidity, meq/100g	8.5	
<i>Macronutrients</i>			Base Saturation, %		
Phosphorus (P)	2.3	4-14	Calcium Base Saturation	7	50-80
Potassium (K)	47	100-160	Magnesium Base Saturation	2	10-30
Calcium (Ca)	133	1000-1500	Potassium Base Saturation	1	2.0-7.0
Magnesium (Mg)	21	50-120	Scoop Density, g/cc	1.18	
Sulfur (S)	34.4	>10	Optional tests		
<i>Micronutrients *</i>			Soil Organic Matter (LOI), %	1.9	
Boron (B)	0.1	0.1-0.5			
Manganese (Mn)	4.4	1.1-6.3			
Zinc (Zn)	0.8	1.0-7.6			
Copper (Cu)	0.4	0.3-0.6			
Iron (Fe)	81.9	2.7-9.4			
Aluminum (Al)	94	<75			
Lead (Pb)	1.3	<22			

* Micronutrient deficiencies rarely occur in New England soils; therefore, an Optimum Range has never been defined. Values provided represent the normal range found in soils and are for reference only.

Soil Test Interpretation

Nutrient	Very Low	Low	Optimum	Above Optimum
Phosphorus (P):				
Potassium (K):				
Calcium (Ca):				
Magnesium (Mg):				

Recommendations for Data only (no recommendations requested)

Comments:

-The lead level in this soil is less than 22 ppm, which falls below the listed optimum level. However, many variables affect this result, and safety thresholds vary by location and soil use. There is still a potential risk of lead exposure for soils used for growing food or as play areas for children. Our Total Sorbed Metals test provides an accurate measurement of soil lead. For more information about lead levels in soil, see the fact sheet entitled "Soil Lead: Testing, Interpretation, & Recommendations," listed under General References at the end of this report. ATTN: The Total Sorbed Metals Test is currently unavailable. We apologize for any inconvenience.

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Soil Test Report

Prepared For:

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617-851-0258

Sample Information:

Sample ID: **18/22 Boyd**





Order Number: 51211
Lab Number: S200918-314
Area Sampled:
Received: 9/18/2020
Reported: 10/2/2020

Results

<i>Analysis</i>	<i>Value Found</i>	<i>Optimum Range</i>	<i>Analysis</i>	<i>Value Found</i>	<i>Optimum Range</i>
Soil pH (1:1, H ₂ O)	4.7		Cation Exch. Capacity, meq/100g	9.7	
Modified Morgan extractable, ppm			Exch. Acidity, meq/100g	8.8	
<i>Macronutrients</i>			Base Saturation, %		
Phosphorus (P)	1.9	4-14	Calcium Base Saturation	6	50-80
Potassium (K)	35	100-160	Magnesium Base Saturation	2	10-30
Calcium (Ca)	126	1000-1500	Potassium Base Saturation	1	2.0-7.0
Magnesium (Mg)	26	50-120	Scoop Density, g/cc	1.26	
Sulfur (S)	16.7	>10	Optional tests		
<i>Micronutrients *</i>			Soil Organic Matter (LOI), %	2.2	
Boron (B)	0.0	0.1-0.5			
Manganese (Mn)	4.5	1.1-6.3			
Zinc (Zn)	0.7	1.0-7.6			
Copper (Cu)	0.3	0.3-0.6			
Iron (Fe)	62.5	2.7-9.4			
Aluminum (Al)	107	<75			
Lead (Pb)	1.3	<22			

* Micronutrient deficiencies rarely occur in New England soils; therefore, an Optimum Range has never been defined. Values provided represent the normal range found in soils and are for reference only.

Soil Test Interpretation

Nutrient	Very Low	Low	Optimum	Above Optimum
Phosphorus (P):				
Potassium (K):				
Calcium (Ca):				
Magnesium (Mg):				

Recommendations for Data only (no recommendations requested)

Comments:

-The lead level in this soil is less than 22 ppm, which falls below the listed optimum level. However, many variables affect this result, and safety thresholds vary by location and soil use. There is still a potential risk of lead exposure for soils used for growing food or as play areas for children. Our Total Sorbed Metals test provides an accurate measurement of soil lead. For more information about lead levels in soil, see the fact sheet entitled "Soil Lead: Testing, Interpretation, & Recommendations," listed under General References at the end of this report. ATTN: The Total Sorbed Metals Test is currently unavailable. We apologize for any inconvenience.

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Soil Test Report

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Sample Information:

Sample ID: **Common**





Order Number: 51211
Lab Number: S200918-313
Area Sampled:
Received: 9/18/2020
Reported: 10/2/2020

Results

<i>Analysis</i>	<i>Value Found</i>	<i>Optimum Range</i>	<i>Analysis</i>	<i>Value Found</i>	<i>Optimum Range</i>
Soil pH (1:1, H ₂ O)	5.4		Cation Exch. Capacity, meq/100g	8.2	
Modified Morgan extractable, ppm			Exch. Acidity, meq/100g	6.9	
<i>Macronutrients</i>			Base Saturation, %		
Phosphorus (P)	1.6	4-14	Calcium Base Saturation	11	50-80
Potassium (K)	35	100-160	Magnesium Base Saturation	4	10-30
Calcium (Ca)	178	1000-1500	Potassium Base Saturation	1	2.0-7.0
Magnesium (Mg)	38	50-120	Scoop Density, g/cc	1.38	
Sulfur (S)	12.5	>10	Optional tests		
<i>Micronutrients *</i>			Soil Organic Matter (LOI), %	1.8	
Boron (B)	0.0	0.1-0.5			
Manganese (Mn)	2.3	1.1-6.3			
Zinc (Zn)	0.5	1.0-7.6			
Copper (Cu)	0.3	0.3-0.6			
Iron (Fe)	42.8	2.7-9.4			
Aluminum (Al)	61	<75			
Lead (Pb)	0.8	<22			

* Micronutrient deficiencies rarely occur in New England soils; therefore, an Optimum Range has never been defined. Values provided represent the normal range found in soils and are for reference only.

Soil Test Interpretation

Nutrient	Very Low	Low	Optimum	Above Optimum
Phosphorus (P):				
Potassium (K):				
Calcium (Ca):				
Magnesium (Mg):				

Recommendations for Data only (no recommendations requested)

Comments:

-The lead level in this soil is less than 22 ppm, which falls below the listed optimum level. However, many variables affect this result, and safety thresholds vary by location and soil use. There is still a potential risk of lead exposure for soils used for growing food or as play areas for children. Our Total Sorbed Metals test provides an accurate measurement of soil lead. For more information about lead levels in soil, see the fact sheet entitled "Soil Lead: Testing, Interpretation, & Recommendations," listed under General References at the end of this report. ATTN: The Total Sorbed Metals Test is currently unavailable. We apologize for any inconvenience.

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