



Harrington's Organic Land Care, LLC
 70 Highland Park Drive
 Bloomfield, CT 06002
 Ph: 860-243-8733 | Fax: 860-882-0271

COMPLETE CHEMISTRY TEST RESULTS

REPORT PREPARED FOR:

Sample ID LOWER CHEM
Lab ID NF-LOC17
Date Sample Taken: 7/10/17
Date Received at Lab: 7/11/17
Date Completed: 7/25/17
Square Footage: 6250

Sample Information

Sample Type: Soil
 Intended Crop: Hazelnuts
 Field History/Notes: Disturbed Woodland 20 yr old regrowth old
 Core Depth (in): 3"
 Thatch (in): 1"
 Root Length (in): 6"+

Test	Result	Desired Range	Test	Result	Desired Range
pH	4.72	6-6.5	Total Exchange Capacity (meq/100g)	6.11	> 10
% Soil Moisture	34.72	15 - 45%	Electrical Conductivity (mS/cm)	0.04	< 0.4
% Organic Matter	10.24	5 - 18%			
Nitrate Nitrogen (ppm)	110.00	> 10			
Sulfur (ppm)	19.00	25 - 50			

Melich III: "Reserve Nutrients"					Trace Elements					
Calcium	Magnesium	Phosphorus	Sodium	Potassium	Zinc	Iron	Manganese	Copper	Boron	
Result (ppm)	396	29	50	14.5	35	4.59	329	30	1.72	0.37
Desired Range (ppm)	see p2	see p2	25-50	see p2	see p2	5-10	19-21	19-21	1.5-2.5	1.5-3
Rating	L	L	M	M	L-M	M	H	H	M	L

Report Symbology: NR = Not Reported; NA = Not Applicable; NT = Not Tested; ND = Not Detected; H = High; M = Medium; L = Low

ppm = parts per million; meq/100g = milliequivalents per 100 grams; mS/cm = milliSeimens/centimeter; Ca = Calcium; Mg = Magnesium; K = Potassium; Na = Sodium

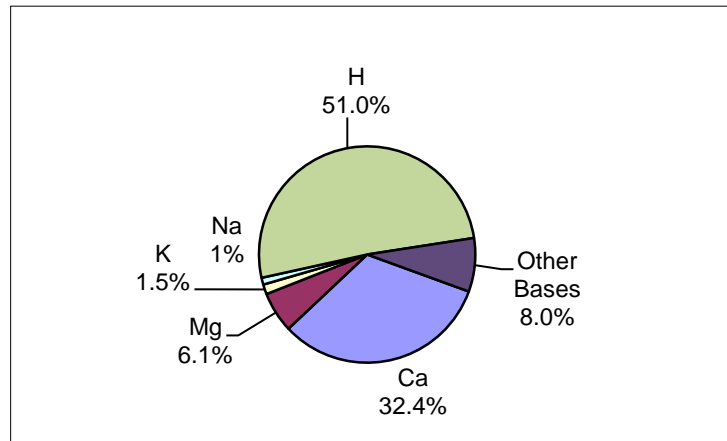
COMPLETE CHEMISTRY TEST RESULTS

Sample ID: LOWER CHEM

Lab ID: NF-LOC17

page 2

PERCENT BASE SATURATION: Reserve Nutrients



Desired Ranges	Ca	Mg	K	Na	H
(Reserve Nutrients)	65 - 75%	10 - 15%	2 - 7%	1 - 3%	10 - 15%

INTERPRETATIONS AND RECOMMENDATIONS

Calcium, magnesium and pH levels should be increased. They can be balanced with 2 applications of dolomitic lime at 25 lb/1000 sqft. spring and fall.

To reduce thatch, we recommend 3 applications of Natural Dethatcher.