



Ag Testing - Consulting

Account No. : 93041

Biological Soil Analysis Report

MOMMEN, JACLYN
11 EAST 87TH ST APT 10G
NEW YORK NY 10128

Invoice No. : 1363443
Date Received : 12/21/2021
Date Reported : 12/23/2021

Results For : LAUREL GROVE WINE FARM

Sample ID 1 : UPPER RIDGE

Sample ID 3 :

Sample ID 2 : SAMPLE 1

Sample ID 4 :

Lab No. : 12346

Soil Depth : 0 - 6 in

Haney - Soil Health Analysis

1:1 Soil pH	4.5	ICAP Sulfur, ppm S	5.0
1:1 Soluble Salts, mmho/cm	0.07	ICAP Calcium, ppm Ca	160
Excess Lime Rating	NONE	ICAP Magnesium, ppm Mg	32
Organic Matter, %LOI	8.0	ICAP Sodium, ppm Na	17
WDRF Buffer pH	5.5	ICAP Aluminum, ppm Al	384
Soil Respiration CO ₂ -C, ppm C	236.0	Calculations	
Water Extract		Microbially Active Carbon (%MAC)	256.0
Total Nitrogen, ppm N	7.5	Organic C : Organic N	24.9
Organic Nitrogen, ppm N	3.7	Organic N : Inorganic N	0.5
Total Organic Carbon, ppm C	92	Organic Nitrogen Release, ppm N	3.7
H3A Extract		Organic Nitrogen Reserve, ppm N	0.0
Nitrate, ppm NO ₃ -N	0.1	Organic Phosphorus Release, ppm P	1.9
Ammonium, ppm NH ₄ -N	8.0	Organic Phosphorus Reserve, ppm P	< 0.1
Inorganic Nitrogen, ppm N	8.1	Soil Health	
Total (ICAP) Phosphorus, ppm P	5	Soil Health Calculation	19.07
Inorganic (FIA) Phosphorus, ppm P	3.1	Cover Crop Suggestion	60% Legume 40% Grass
Organic Phosphorus, ppm P	1.9		
ICAP Potassium, ppm K	58		
ICAP Zinc, ppm Zn	1.10		
ICAP Iron, ppm Fe	179		
ICAP Manganese, ppm Mn	42.4		
ICAP Copper, ppm Cu	0.30		

Reviewed By : Willie Pretorius

2/10/2022

Copy : 1

Page 1 of 2

Bus: 308-234-2418
Fax: 308-234-1940

web site
www.wardlab.com

4007 Cherry Ave., P.O. Box 788
Kearney, Nebraska 68848-0788



Ag Testing - Consulting

Lab No. : 12346

Haney - Soil Health Analysis Contd.

Nutrient Quantity Available for Next Crop

Nitrogen Savings by using the Haney Test

Nitrogen, lbs N/A	21.2	Traditional evaluation, lbs N/A	0.2
Phosphorus, lbs P ₂ O ₅ /A	11.5	Haney Test N evaluation, lbs N/A	21.2
Potassium, lbs K ₂ O/A	69.5	Nitrogen Difference, lbs N/A	21.1
Nutrient Value, \$/A	52.81	N savings, \$/A	13.48

Recommendations
In Actual Pounds of Plant Nutrients per Acre

N Credit :

Sub-Soils :

Crop	(Haney) Grape (Normal Yield)
Yield	1
Nitrogen N	40
Phosphorus P ₂ O ₅	35
Potassium K ₂ O	40
Sulfur S	0
Zinc Zn	0
Magnesium Mg	0
Iron Fe	0
Manganese Mn	0
Copper Cu	0
Lime, ECC Tons/Acre	6
