

CAB (NO WOOD CHIPS)

Grapes

Soil Organic Acid Reserve

Performed by **Brookside Laboratories, Inc.** (Analysis #69062S)

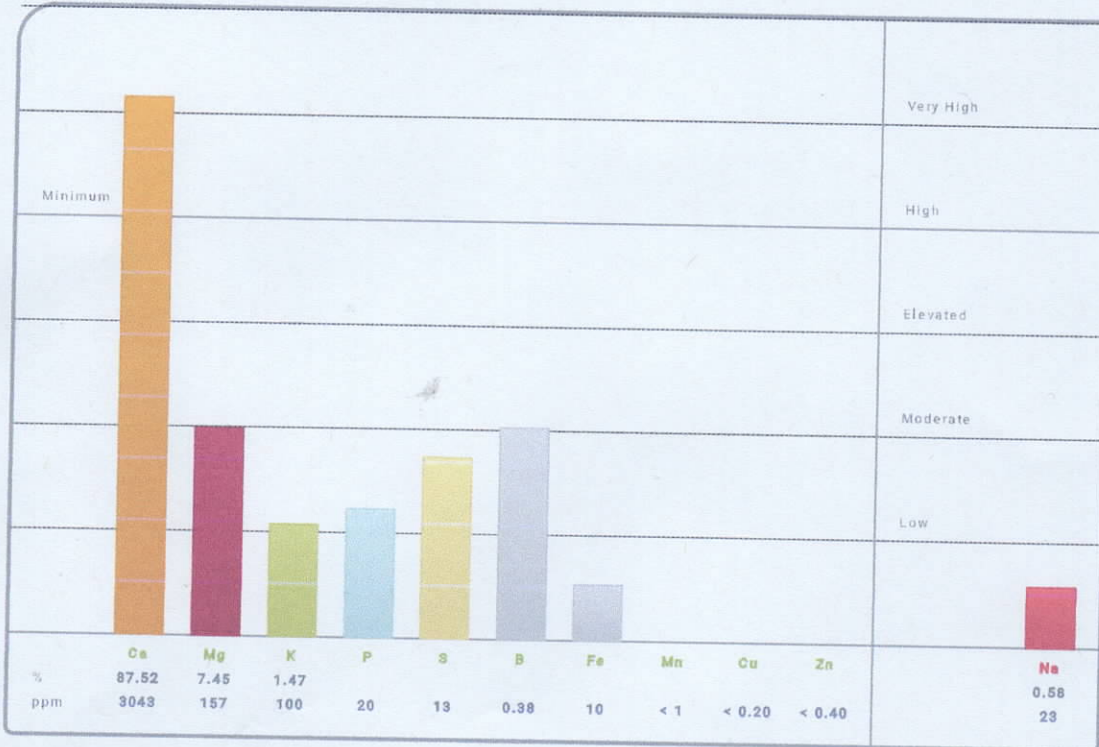
Client:
Bitner Vineyards

Field Representative:
Don Barowsky

Date of Analysis:
02/14/2023



Soil Organic Acid Reserve



- 17.4**
Root Exchangeable Cations
- 1.8%**
Organic Matter (humus)
- 8.4**
pH (H₂O 1:1)
- 0**
pH (Sikora Buffer)
- 2.1 ppm**
NO₃-N
- 0.7 ppm**
NH₄-N
- 132 ppm**
SSalts

Base Saturation: Key Elements



Other Elements

Element	Symbol	Actual	Minimum
Boron	B	0.38	0.75
Iron	Fe	10	75
Manganese	Mn	< 1	15
Copper	Cu	< 0.20	1.5
Zinc	Zn	< 0.40	5
Aluminum	Al	22	-

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Soil Health Report (Organic Acid Extraction)

Performed by **Brookside Laboratories, Inc.** (Analysis #69062S)

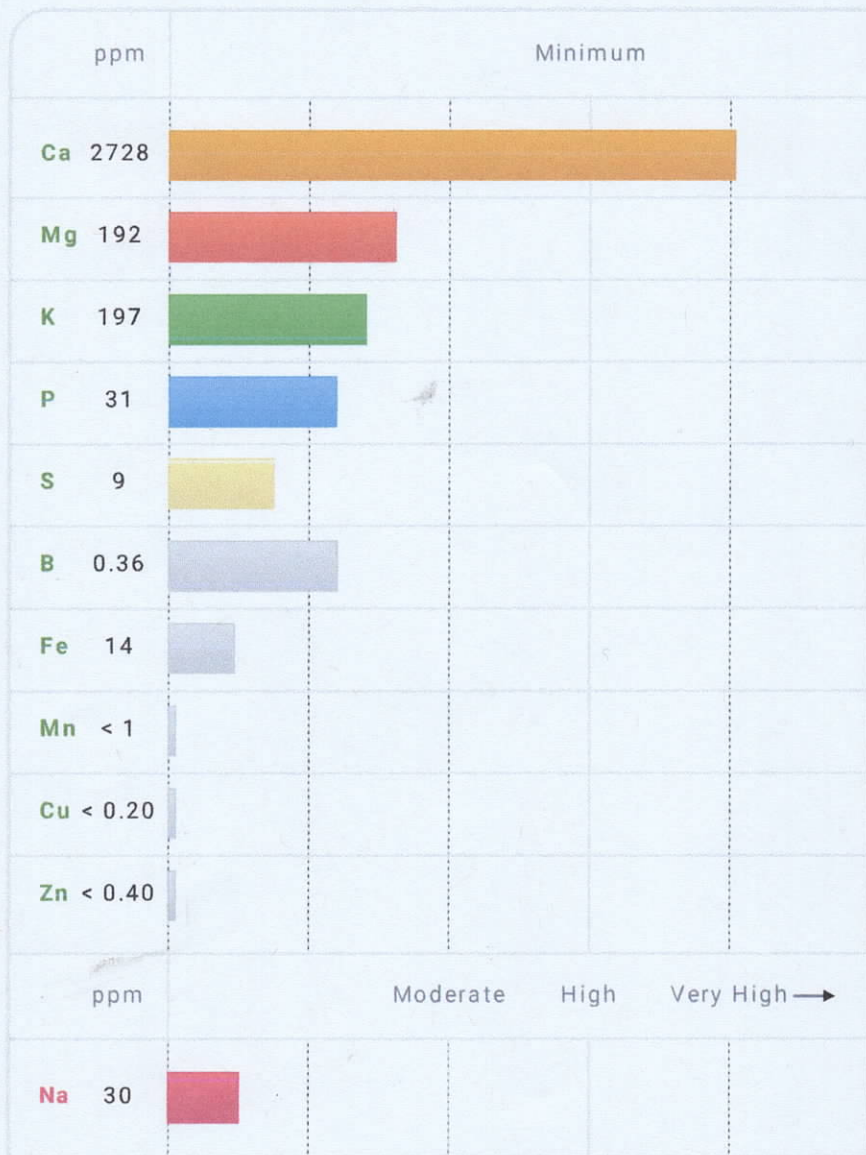
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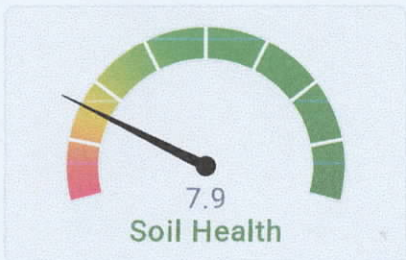
Date of Analysis:
02/14/2023



AVAILABLE NUTRIENTS: CAB FRANC (WOOD CHIPS)

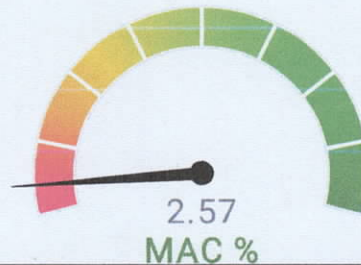


Root Exchangeable Cations	16.3
Organic Matter	2.18%
Organic C	283.7 ppm
Organic N	14.7 ppm
NO3-N	1.2 ppm
NH4-N	0.0 ppm
Total N	15.9 ppm
Organic P	2.8 ppm
P04-P	28.2 ppm
Total P	31.0 ppm



Cover Crop Recommendation

60% legume, 40% grass



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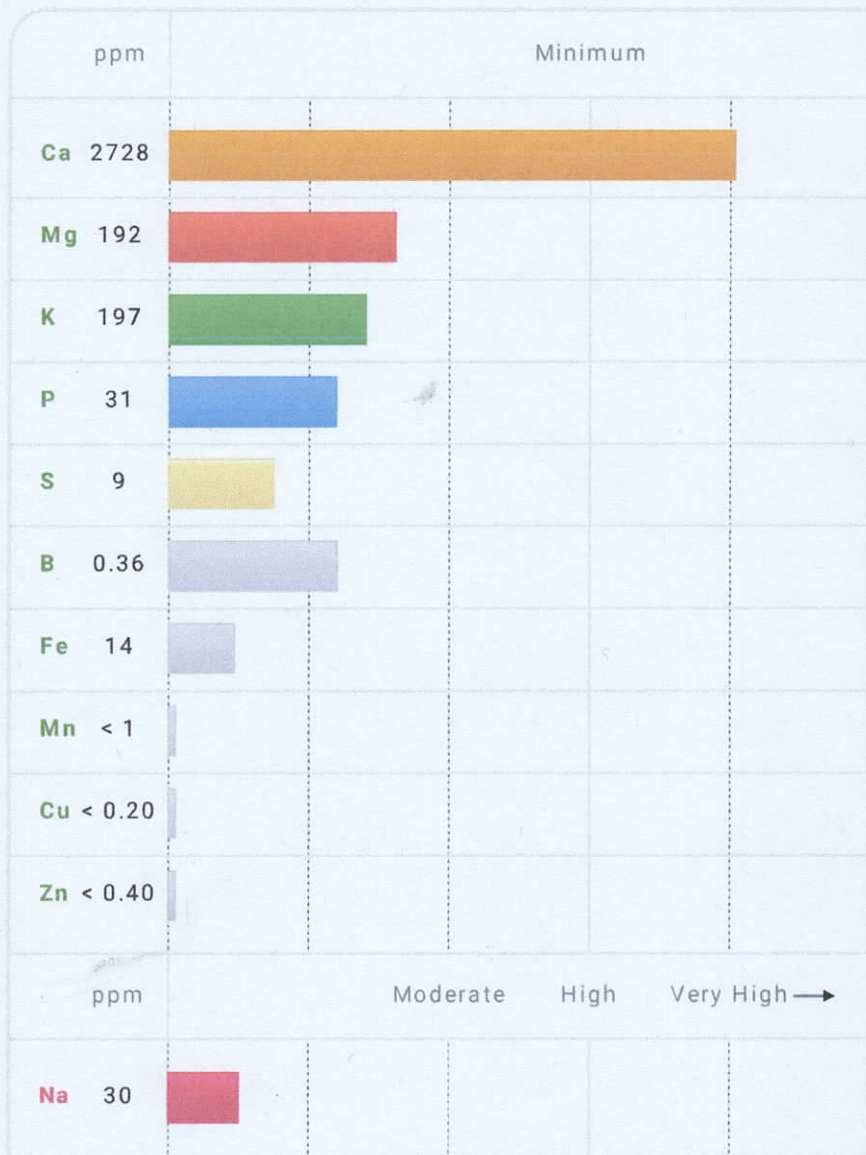
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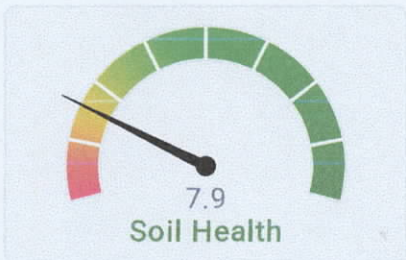
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AVAILABLE NUTRIENTS: CAB FRANC (WOOD CHIPS)

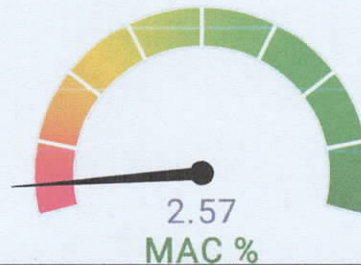


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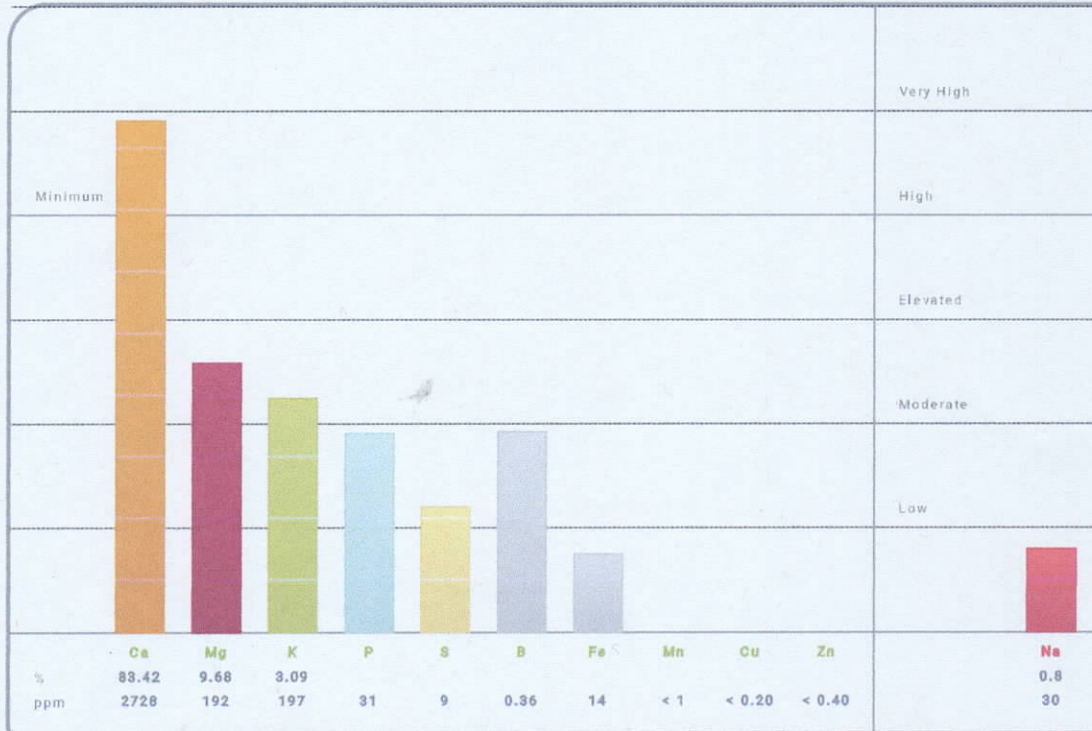
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Soil Organic Acid Reserve



- 16.3**
Root Exchangeable Cations
- 2.2%**
Organic Matter (humus)
- 8.4**
pH (H₂O 1:1)
- 0**
pH (Sikora Buffer)
- 1.2 ppm**
NO₃-N
- < 0.5 ppm**
NH₄-N
- 118 ppm**
SSalts

Base Saturation: Key Elements



Other Elements

Element	Symbol	Actual	Minimum
Boron	B	0.36	0.75
Iron	Fe	14	75
Manganese	Mn	< 1	15
Copper	Cu	< 0.20	1.5
Zinc	Zn	< 0.40	5
Aluminum	Al	25	-