

A & L WESTERN AGRICULTURAL LABORATORIES

1311 WOODLAND AVE #1 • MODESTO, CALIFORNIA 95351 • (209) 529-4080 • FAX (209) 529-4736



REPORT NUMBER: 21-025-049

CLIENT NO: 90141

SEND TO: WHISKEY HILL FARMS

GROWER: WHISKEY HILL FARMS

SUBMITTED BY: ROBERT RE

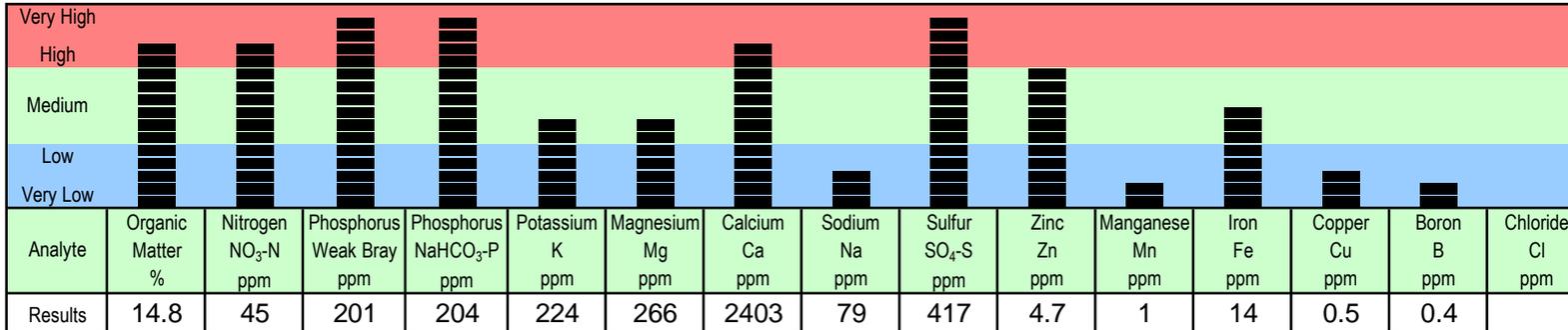
Graphical Soil Analysis Report

DATE OF REPORT: 01/28/21

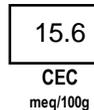
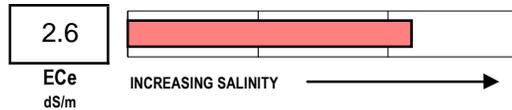
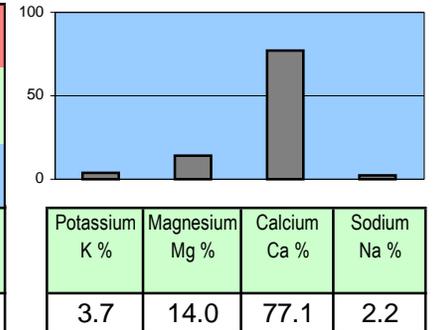
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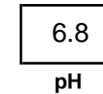
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Percent Cation Saturation (computed)



I
Ex. Lime



Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/1000 sq ft

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P ₂ O ₅	Potash K ₂ O	Magnesium Mg	Sulfur SO ₄ -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
				0.1						*			

- C** LIME REQUIREMENT: Liming may be necessary if buffer index is less than 6.9. Guidelines are based upon
O common agricultural lime (70-score) per six-inch depth to raise SOIL pH to about 6.5.
M PRIOR TO PLANTING: Spread the above requirements per 1,000 sq ft and mix into the top 6-8 inches of
M soil. Initially, limit nitrogen to 1.5 lb/1,000 sq ft or 25-30 ppm NO₃-N to avoid salt damage.
E SPLIT extra nitrogen as necessary over the active growing season. Adjust rate according to local
N conditions and requirements. Allow for adequate establishment first (up to 30 days).
T PHOSPHATE/POTASH: Avoid excessive applications on confined areas, as excessive salts or nutrient
S imbalances may affect plant growth and quality. Have organic amendments tested before application.

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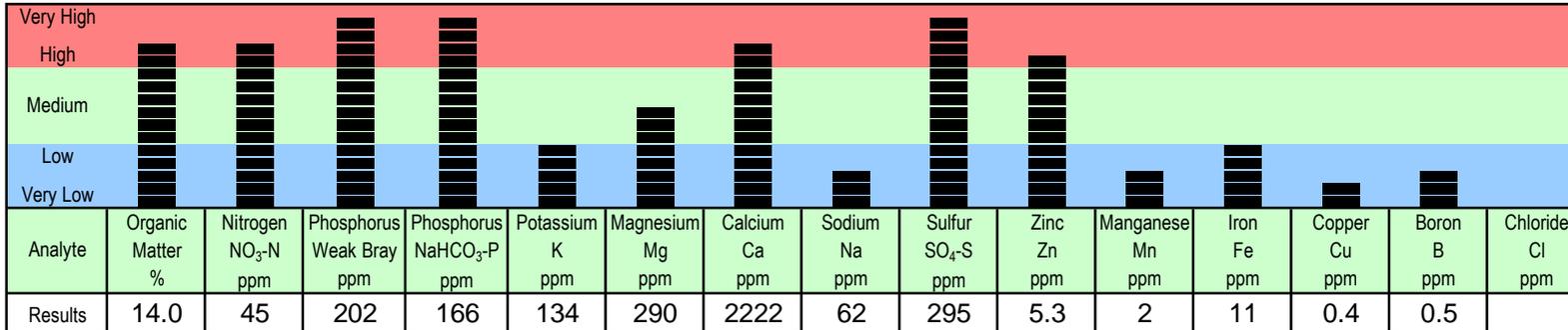
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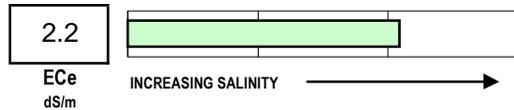
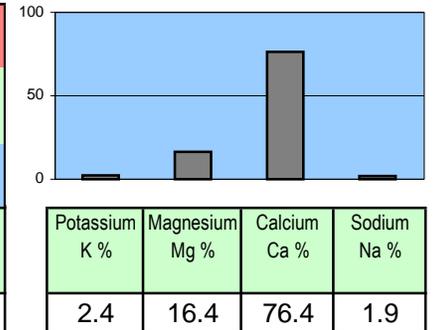
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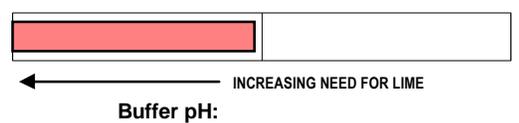
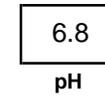
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Percent Cation Saturation (computed)



Ex. Lime



Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/1000 sq ft

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P ₂ O ₅	Potash K ₂ O	Magnesium Mg	Sulfur SO ₄ -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
				0.2		3.5				*		*	

- C** SULFATE-SULFUR: Where levels are very high (VH), ensure that adequate watering and drainage can be achieved before applying further fertilizer or amendments.
- O** MICRONUTRIENTS: Where levels appear to be high, avoid any further applications for the time being. Very high (VH) levels may not necessarily be toxic, but avoid. Maintain correct soil pH.
- M** * MANGANESE: The soil test is not a good indicator of deficiency. Maintain a reasonable soil pH and organic matter status, and follow label directions if applying manganese-containing products.
- N** * COPPER: Where levels are low, apply according to label instructions. There are a number of sources available, including some pesticides.

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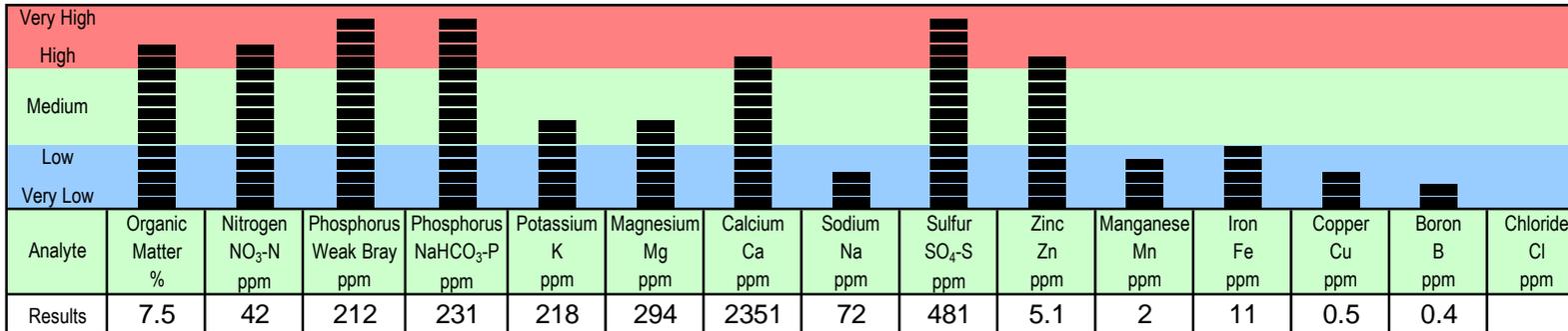
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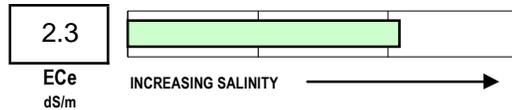
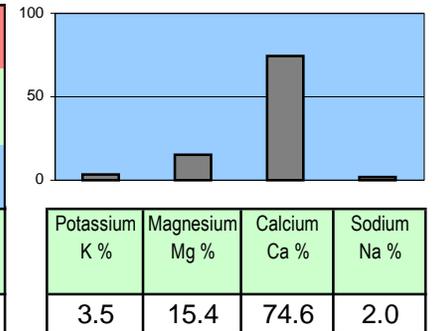
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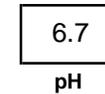
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Percent Cation Saturation (computed)



Ex. Lime



Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/1000 sq ft

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P ₂ O ₅	Potash K ₂ O	Magnesium Mg	Sulfur SO ₄ -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
				1.0						*			

C * BORON may not necessarily be deficient in the soil, and it is hard to correct an excessive application. Therefore, apply boron only if confirmed deficient through a leaf analysis.

O SOLUBLE SALTS: "High" (H or VH) levels need to be avoided if growth is not to be affected. Avoid further fertilization until this can be addressed. You may want to re-sample.

M HIGH levels of organic matter should have a beneficial effect on growth and "soil" pH may not be as critical. However, watch carefully as amendments and extra nitrogen may still be necessary.

N PLEASE NOTE, the above guidelines are in lb/1,000 sq ft. Reduce accordingly for smaller areas. An ounce

T volume measure (2 tablespoons) will generally hold about an ounce of most fertilizers.

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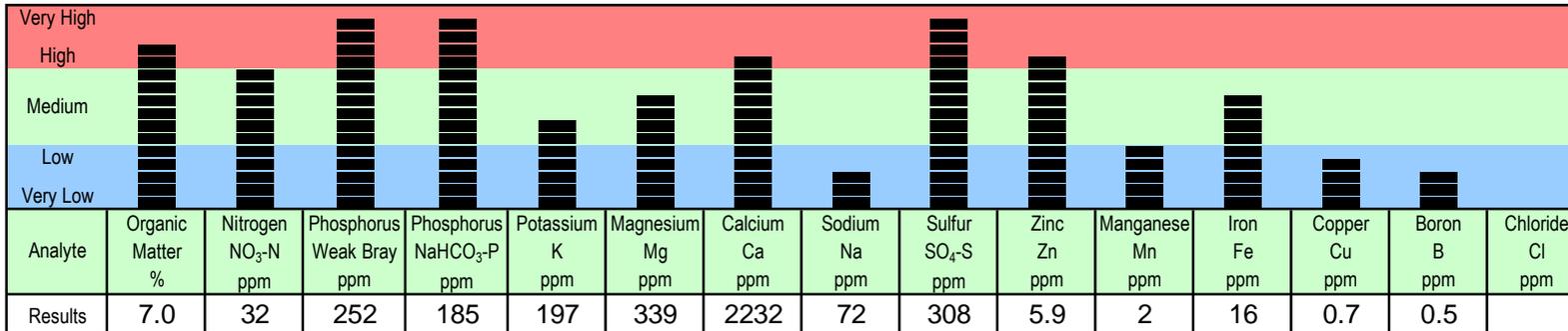
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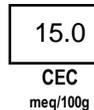
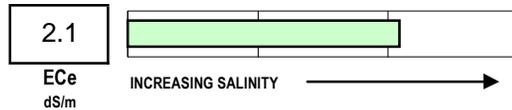
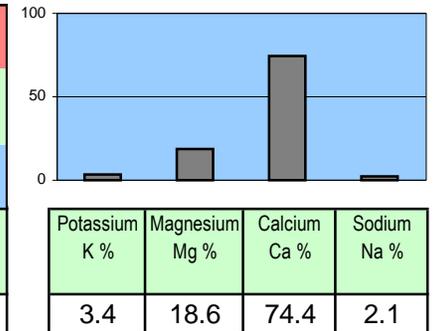
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PAGE: 4



Percent Cation Saturation (computed)



Ex. Lime



Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/1000 sq ft

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P ₂ O ₅	Potash K ₂ O	Magnesium Mg	Sulfur SO ₄ -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
				1.6		3.0				*			

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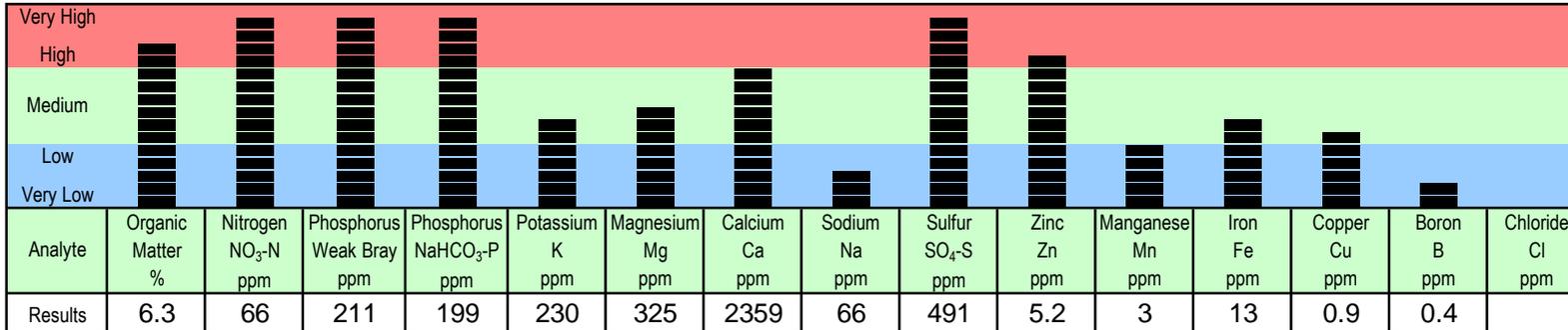
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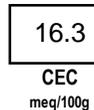
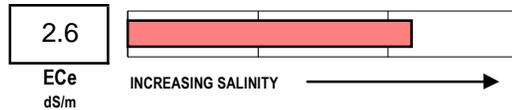
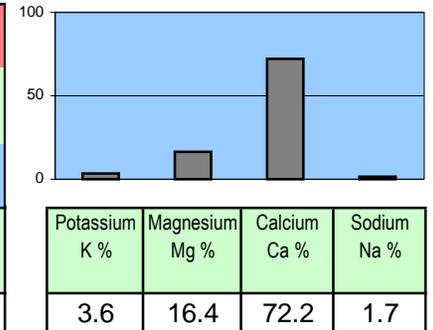
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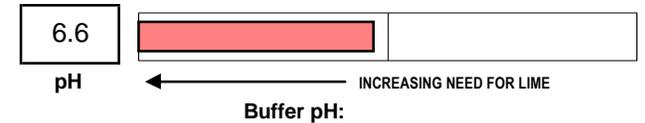
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Percent Cation Saturation (computed)



Ex. Lime



Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/1000 sq ft

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P ₂ O ₅	Potash K ₂ O	Magnesium Mg	Sulfur SO ₄ -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B

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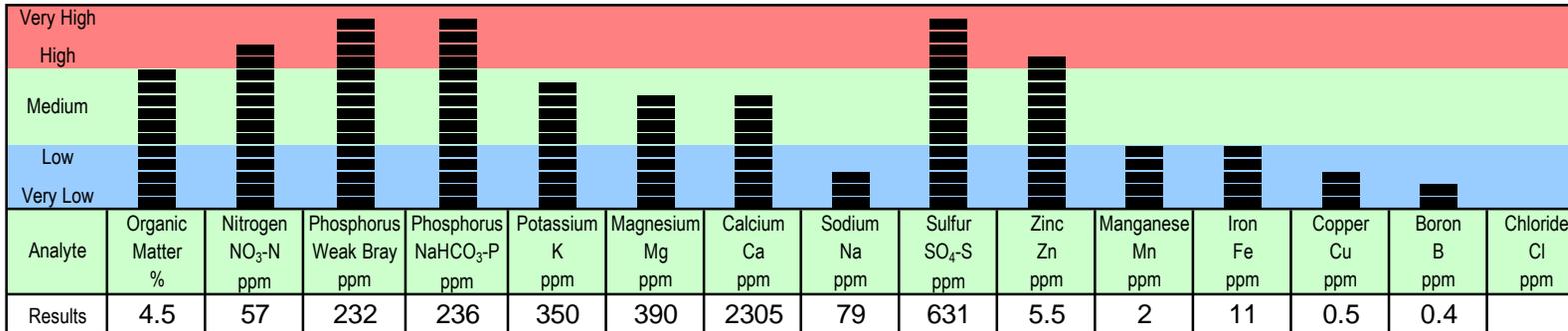
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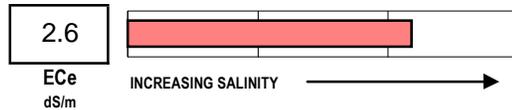
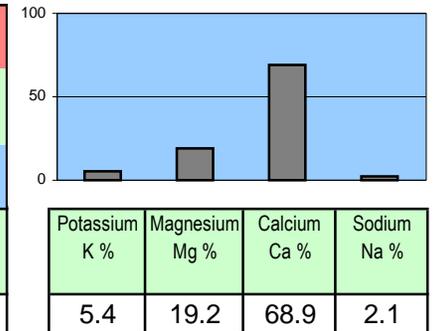
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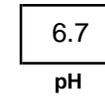
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Percent Cation Saturation (computed)



Ex. Lime



Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/1000 sq ft

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P ₂ O ₅	Potash K ₂ O	Magnesium Mg	Sulfur SO ₄ -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
				0.6						*			

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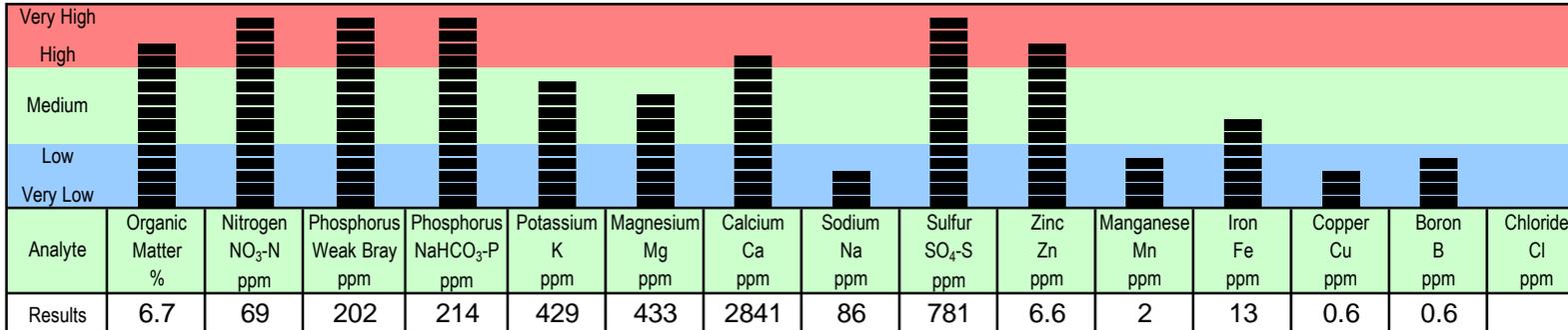
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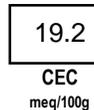
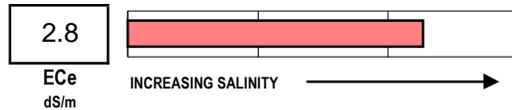
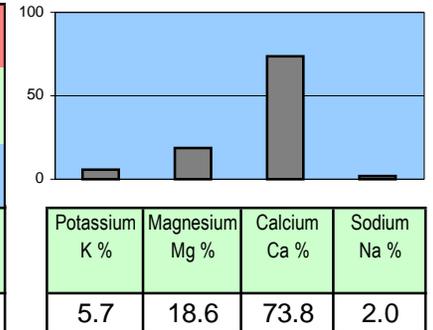
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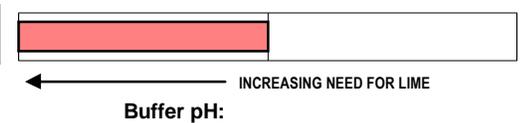
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Percent Cation Saturation (computed)



Ex. Lime



Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/1000 sq ft

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P ₂ O ₅	Potash K ₂ O	Magnesium Mg	Sulfur SO ₄ -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
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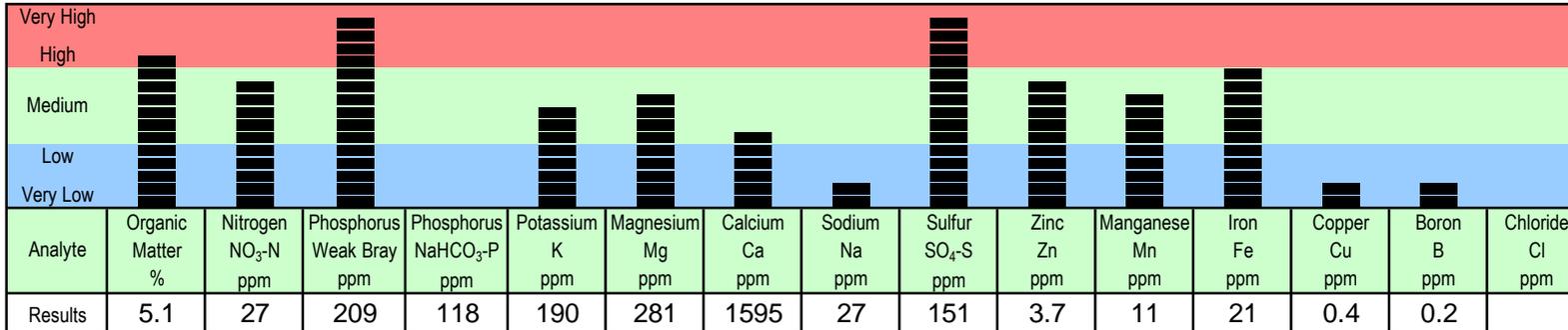
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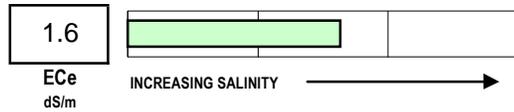
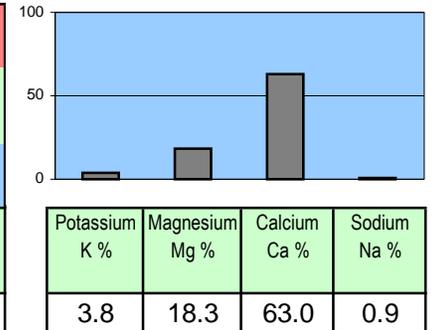
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Percent Cation Saturation (computed)



NaHCO₃-P unreliable at this soil pH

Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/1000 sq ft

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P ₂ O ₅	Potash K ₂ O	Magnesium Mg	Sulfur SO ₄ -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
	50			2.0		3.0						*	*

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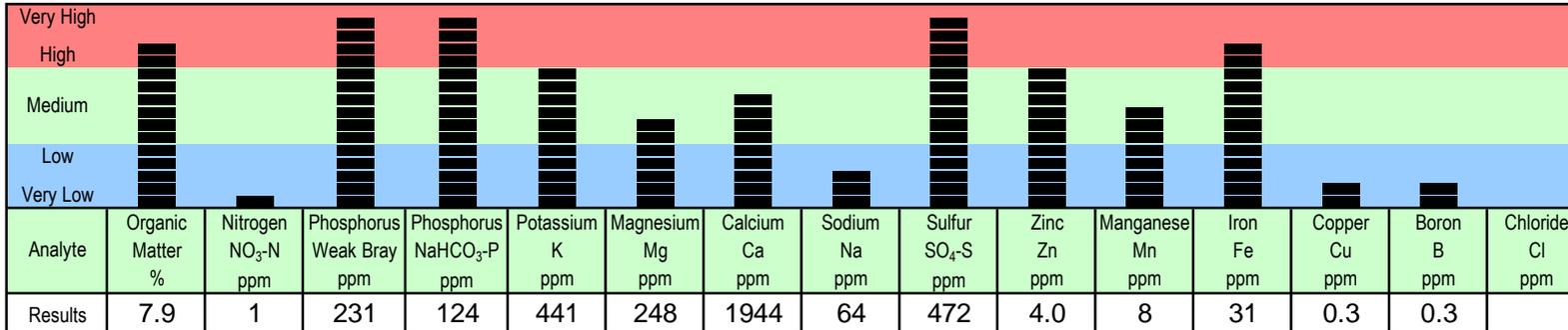
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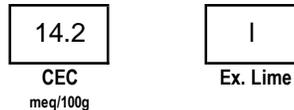
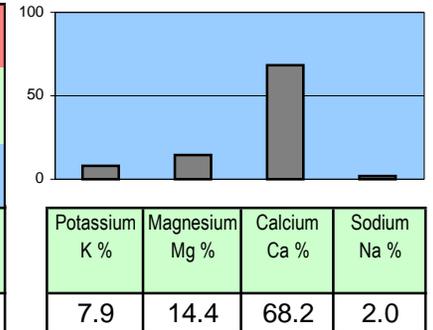
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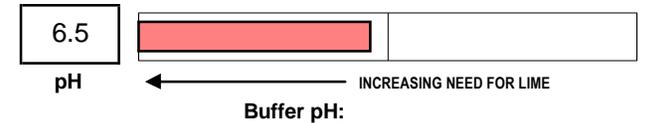
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Percent Cation Saturation (computed)



Ex. Lime



Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/1000 sq ft

NOTES:

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				3.0								*	*	

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GROWER: WHISKEY HILL FARMS

SUBMITTED BY: ROBERT RE

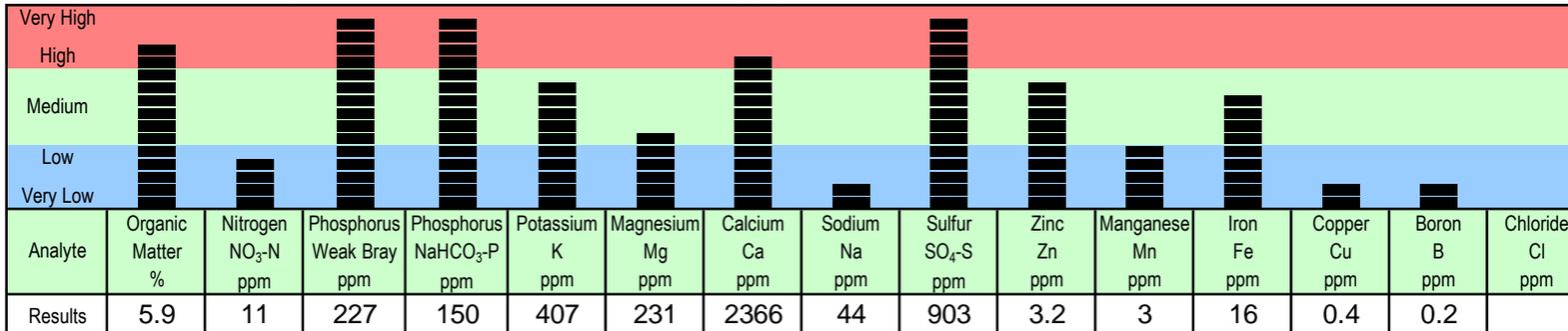
Graphical Soil Analysis Report

DATE OF REPORT: 01/28/21

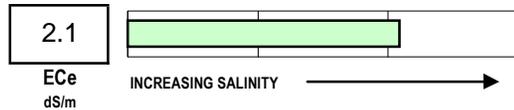
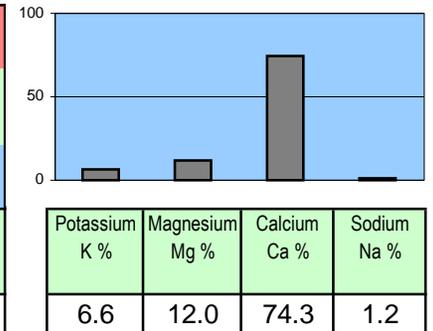
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SAMPLE ID: FRF21

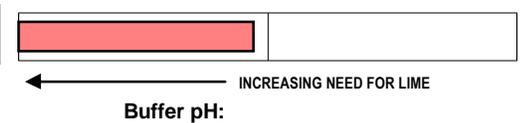
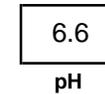
PAGE: 10



Percent Cation Saturation (computed)



Ex. Lime



Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/1000 sq ft

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P ₂ O ₅	Potash K ₂ O	Magnesium Mg	Sulfur SO ₄ -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B	
				2.7								*	*	

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Rogell Rogers

Rogell Rogers, CCA, PCA
A & L WESTERN LABORATORIES, INC

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REPORT NUMBER: 21-025-049

CLIENT NO: 90141

SEND TO: WHISKEY HILL FARMS

GROWER: WHISKEY HILL FARMS

SUBMITTED BY: ROBERT RE

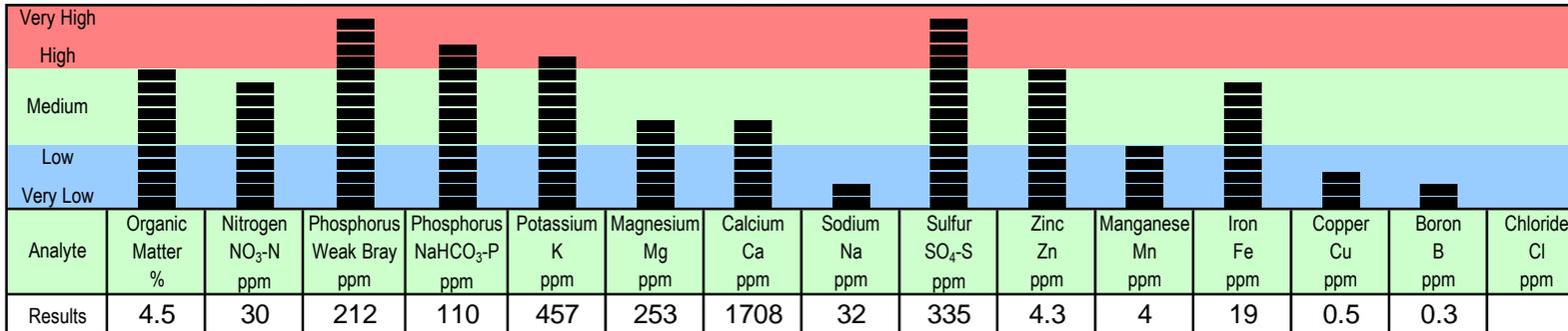
Graphical Soil Analysis Report

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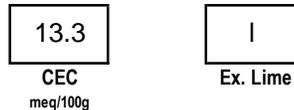
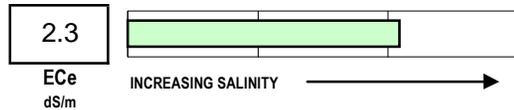
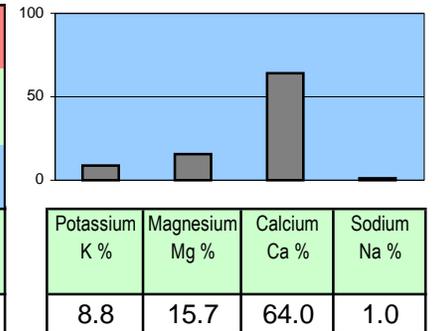
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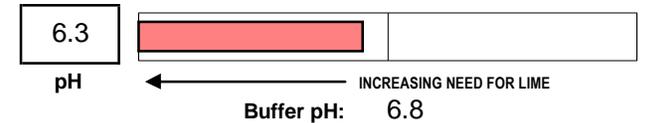
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Percent Cation Saturation (computed)



Ex. Lime



Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/1000 sq ft

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P ₂ O ₅	Potash K ₂ O	Magnesium Mg	Sulfur SO ₄ -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
	50			1.9									*

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