

# A & L WESTERN AGRICULTURAL LABORATORIES

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



REPORT NUMBER: 17-025-011

CLIENT NO: 99999

SEND TO: WHISKY HILL FARMS  
371 CALABASAS RD  
WATSONVILLE, CA 95076-

GROWER:

SUBMITTED BY:

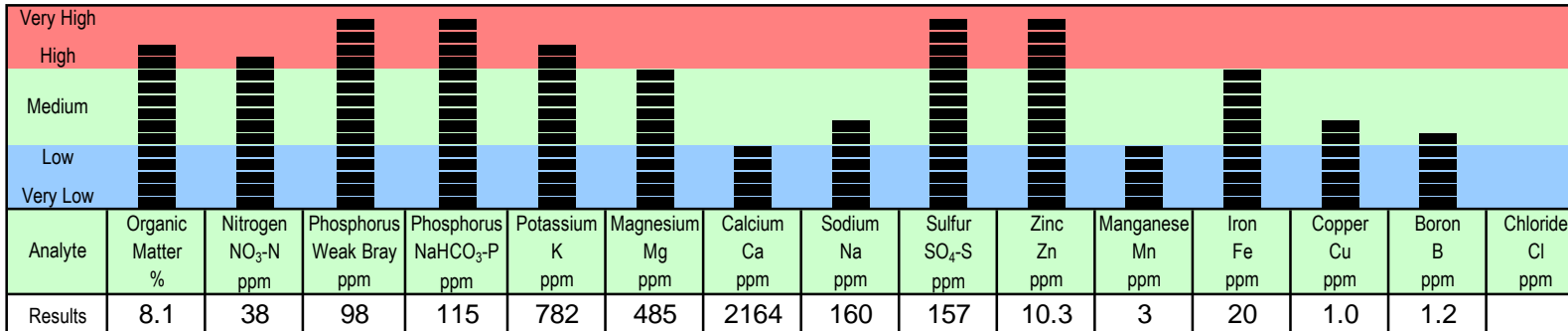
## Graphical Soil Analysis Report

DATE OF REPORT: 01/30/17

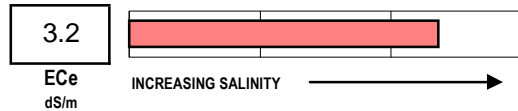
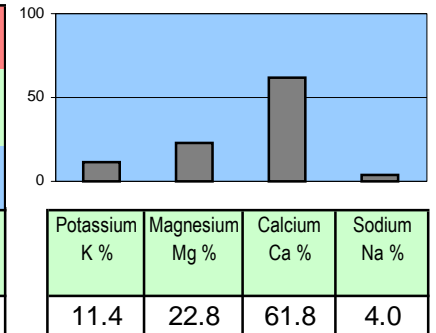
LAB NO: 55494

SAMPLE ID: GH1

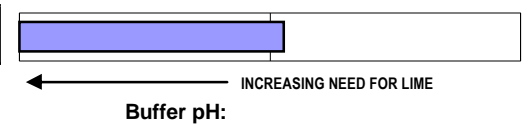
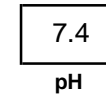
PAGE: 1



### Percent Cation Saturation (computed)



L  
Ex. Lime



## Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/acre

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P <sub>2</sub> O <sub>5</sub>	Potash K <sub>2</sub> O	Magnesium Mg	Sulfur SO <sub>4</sub> -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
				90									

- C** LIME REQUIREMENT: Liming may be necessary if buffer index is less than 6.9. Guidelines are based upon common agricultural lime (70-score) per six-inch depth to raise SOIL pH to about 6.5.
- O** common agricultural lime (70-score) per six-inch depth to raise SOIL pH to about 6.5.
- M** NITROGEN: Recommendation is only a guideline. Use local conditions and plant N for the right rate and time of application. Allow also for nitrate in your water (ppm NO<sub>3</sub> X 0.61= lb N/ac-ft water).
- E** PHOSPHATE: Band 6 to 8 inches INTO soil prior to growing season for maximum response. Alternatively, broadcast or include in irrigation water if precipitation is not a factor.
- N** SOLUBLE SALTS: Levels above 1.0 mmho/cm (dS/m) may need to be reduced before further fertilizing, if aiming for 100% growth potential.

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*Rogell Rogers*

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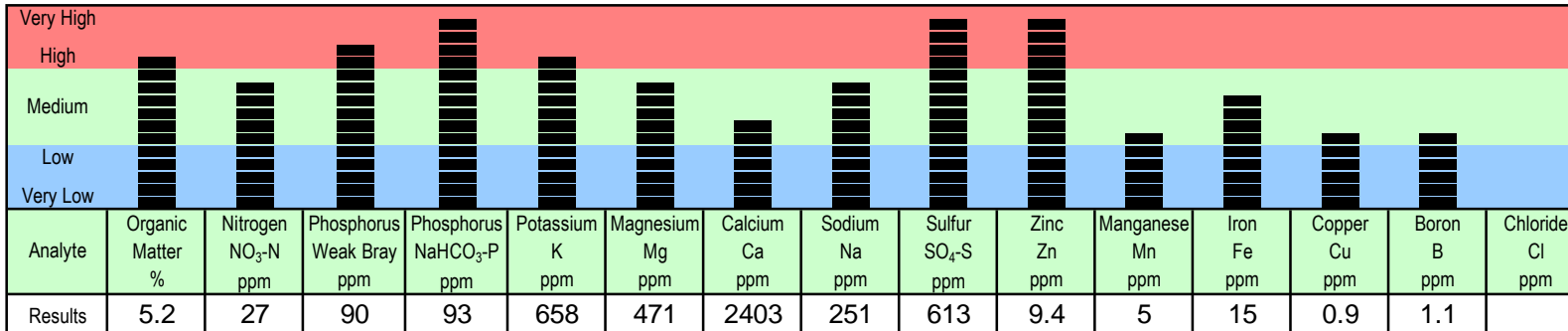
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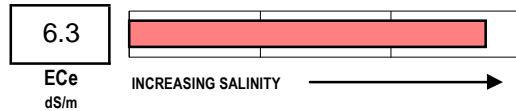
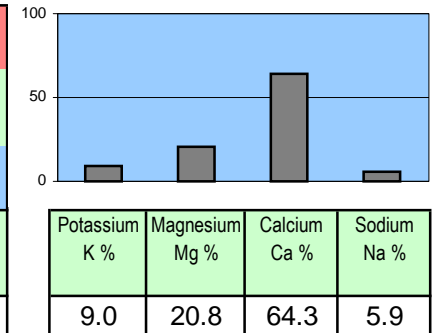
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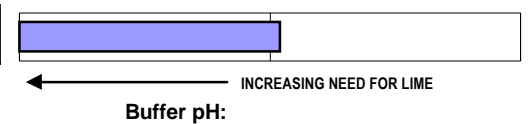
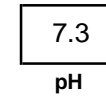
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### Percent Cation Saturation (computed)



L  
Ex. Lime



## Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/acre

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P <sub>2</sub> O <sub>5</sub>	Potash K <sub>2</sub> O	Magnesium Mg	Sulfur SO <sub>4</sub> -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
		2600		120									

- 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** SULFATE-SULFUR: Low soil levels may cause yellowing and lack of vigor. Maintain above 15 to 20 ppm to guard against deficiencies. Although, sulfates may have leached below sampling depth.
- M** SODIUM: If a concern, broadcast/water-run amendment (incorporate if possible). Approx 1.5 lb elemental S or 10 lb gypsum required to replace 1 ppm "exchangeable" sodium from 6 inches of soil.
- N** COMBINED SALINITY PACKAGE (S10C): Running this test in conjunction with an irrigation water analysis
- T** (W2) may be advised. Don't ignore water quality. Submit one pint each of soil and water.
- S**

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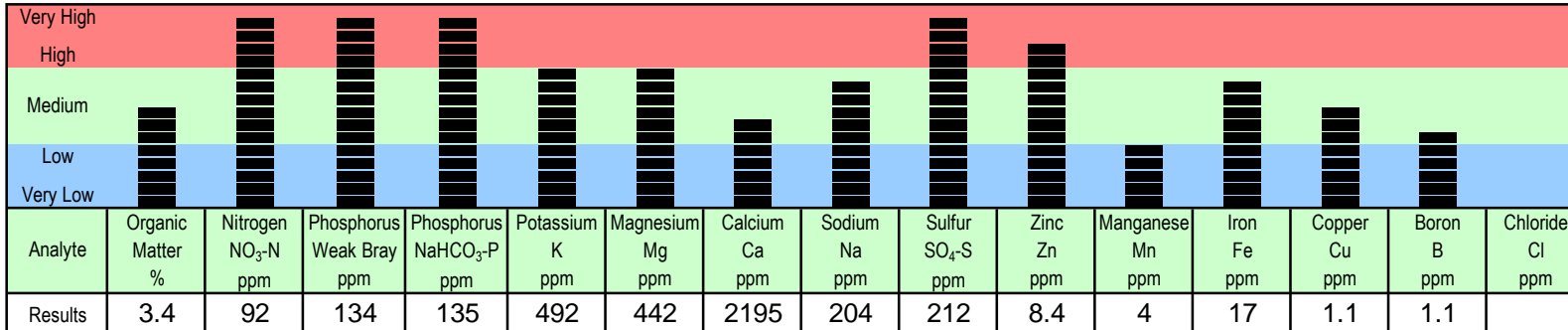
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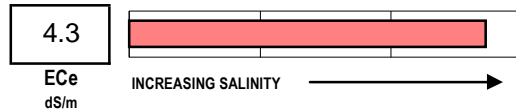
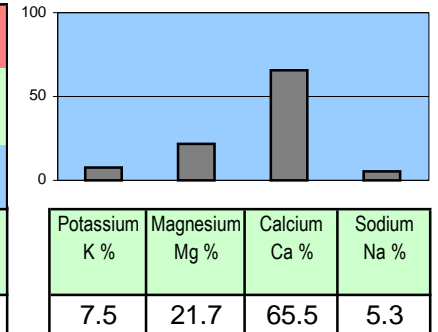
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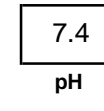
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### Percent Cation Saturation (computed)



L  
Ex. Lime



Buffer pH:

## Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/acre

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P <sub>2</sub> O <sub>5</sub>	Potash K <sub>2</sub> O	Magnesium Mg	Sulfur SO <sub>4</sub> -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
		2100											

**C** RESTRICT further nitrogen applications where soil is already high in nitrogen, to avoid imbalances and  
**O** leaching of nitrates into ground water. Consider monitoring appropriate tissue analyses.  
**M** BORON: Levels above 2.0 ppm need to be watched carefully, as growth may be affected. If leaching becomes  
**M** necessary, check your water source first, in case it contributes to high levels.  
**E** BORON: Aim for soil levels above 0.5 ppm to avoid a deficiency. A tissue analysis at the appropriate  
**N** time will determine more accurately, plant availability. ADD BORON WITH CAUTION.  
**T**  
**S**

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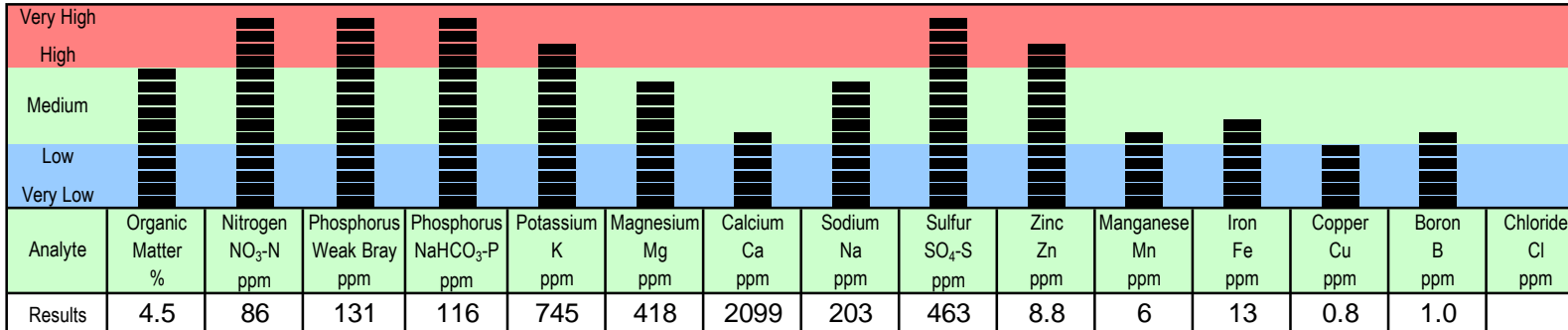
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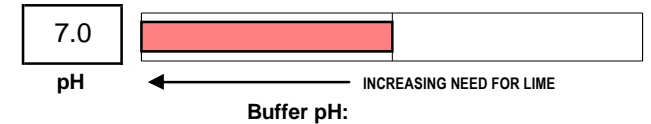
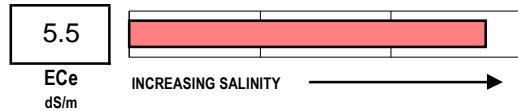
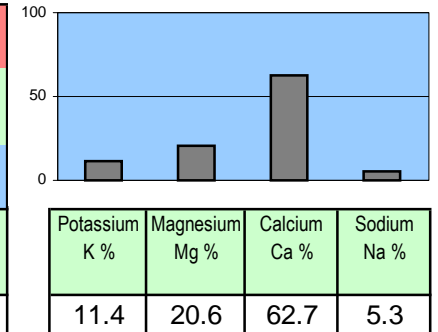
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SAMPLE ID: GH5

PAGE: 4



### Percent Cation Saturation (computed)



## Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/acre

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P <sub>2</sub> O <sub>5</sub>	Potash K <sub>2</sub> O	Magnesium Mg	Sulfur SO <sub>4</sub> -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
		2100											

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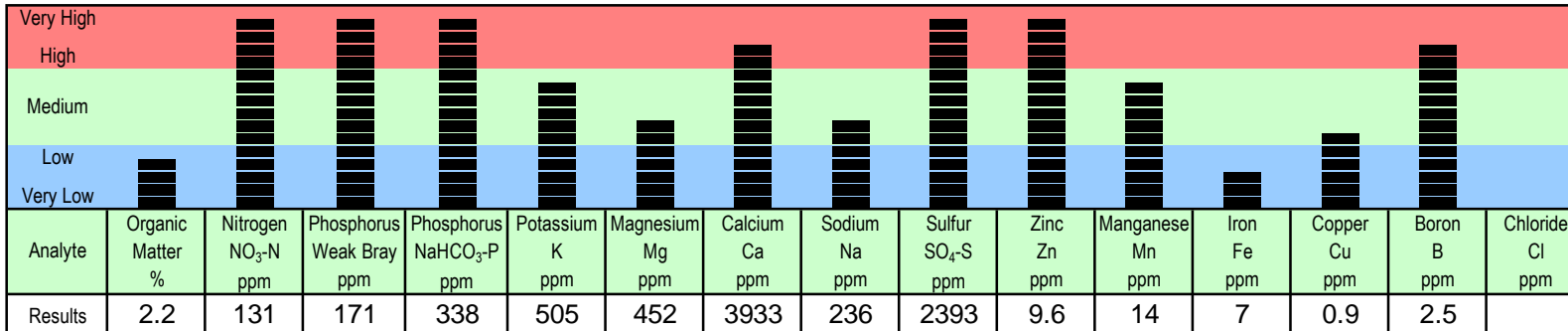
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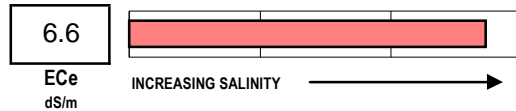
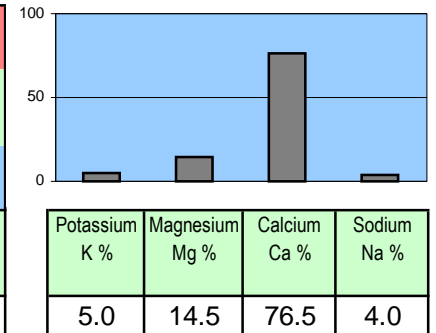
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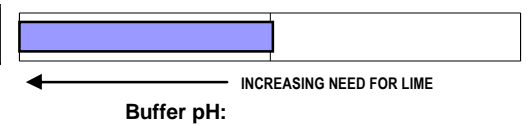
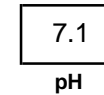
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### Percent Cation Saturation (computed)



L  
Ex. Lime



## Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/acre

NOTES:

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

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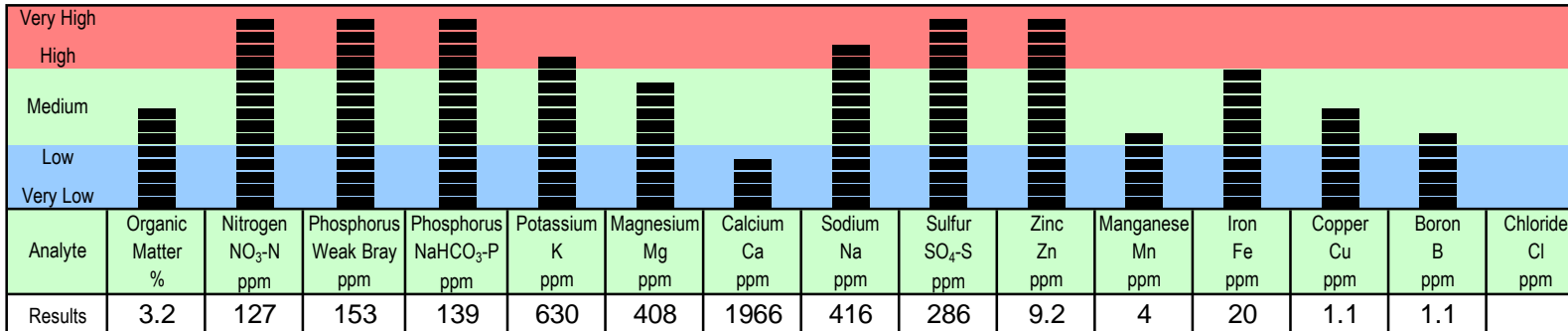
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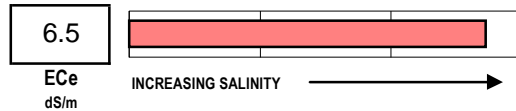
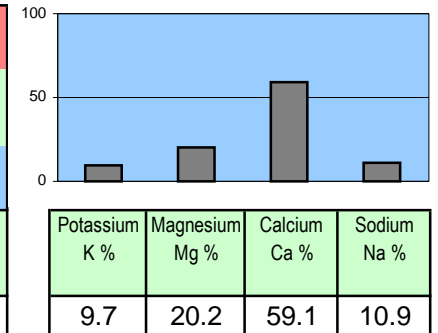
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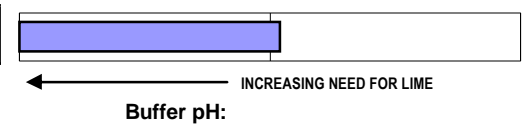
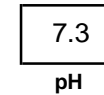
PAGE: 6



### Percent Cation Saturation (computed)



L  
Ex. Lime



## Soil Fertility Guidelines

CROP: TURMERIC

RATE: lb/acre

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P <sub>2</sub> O <sub>5</sub>	Potash K <sub>2</sub> O	Magnesium Mg	Sulfur SO <sub>4</sub> -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
		4200											

C  
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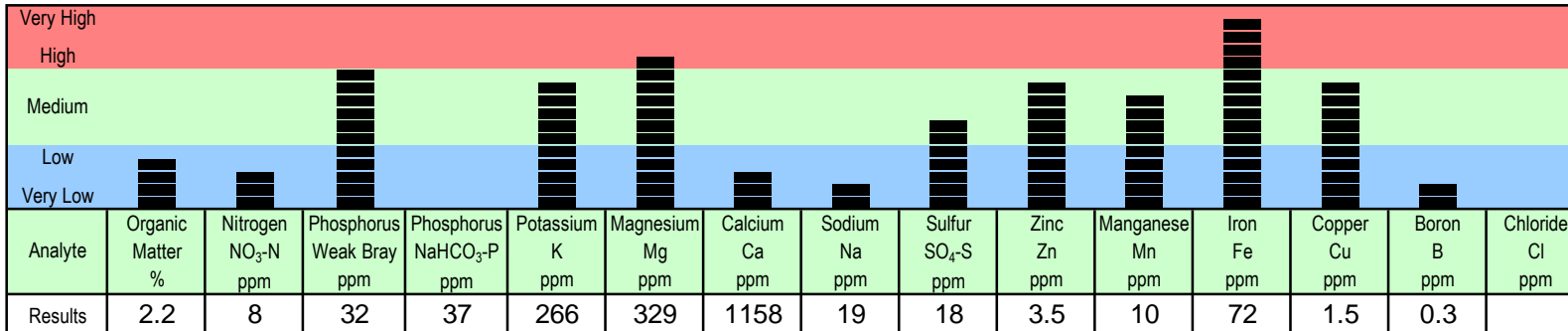
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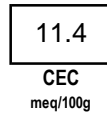
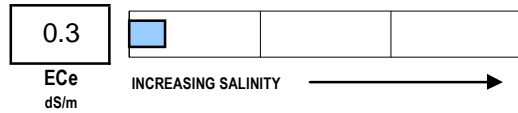
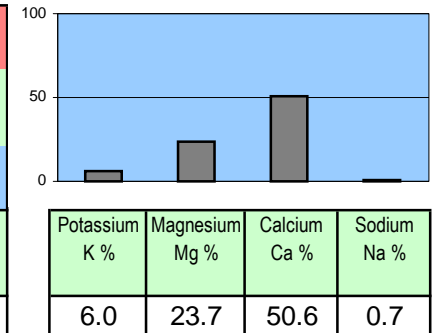
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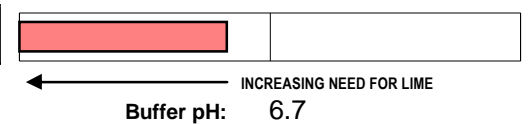
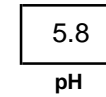
PAGE: 7



### Percent Cation Saturation (computed)



L  
Ex. Lime



NaHCO<sub>3</sub>-P unreliable at this soil pH

## Soil Fertility Guidelines

CROP: FALLOW

RATE: lb/acre

NOTES:

Dolomite (70 score)	Lime (70 score)	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P <sub>2</sub> O <sub>5</sub>	Potash K <sub>2</sub> O	Magnesium Mg	Sulfur SO <sub>4</sub> -S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B
	3000			120	80			20					0.5

C  
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M  
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