

A & L WESTERN AGRICULTURAL LABORATORIES

10220 S.W. NIMBUS AVE | BUILDING K-9 | PORTLAND, OREGON 97223 | (503) 968-9225 | FAX (503) 598-7702



REPORT NUMBER: 18-270-153

CLIENT NO: 99999

SEND TO: GRANTS PASS WATER LAB
964 SE 'M' STREET
GRANTS PASS, OR 97526-

GROWER: 21803-

SUBMITTED BY:

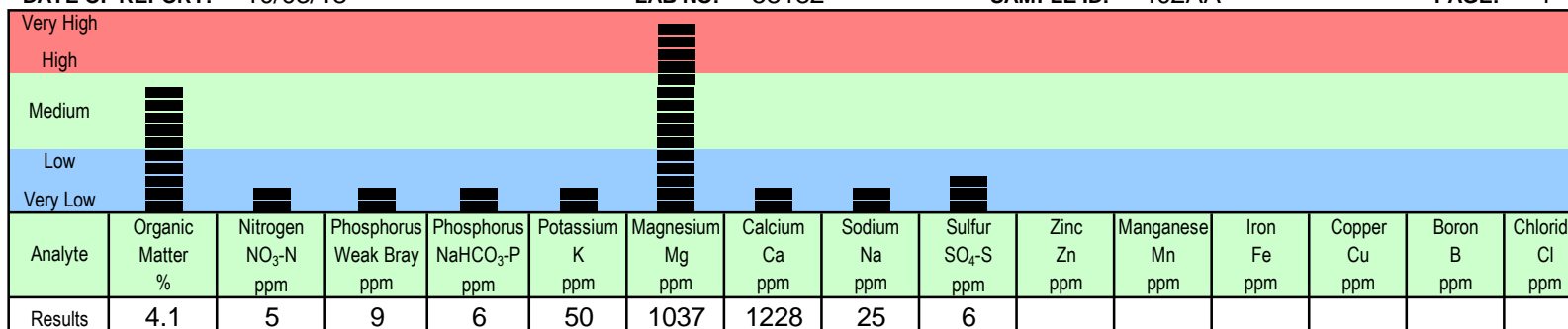
Graphical Soil Analysis Report

DATE OF REPORT: 10/03/18

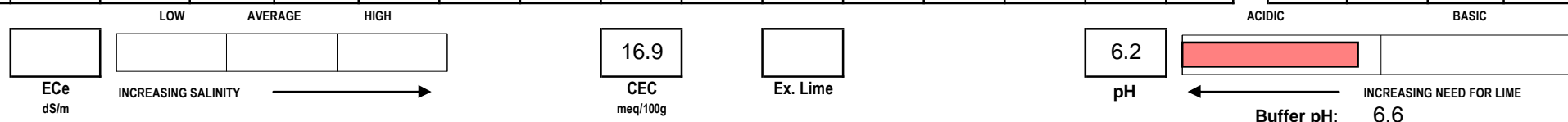
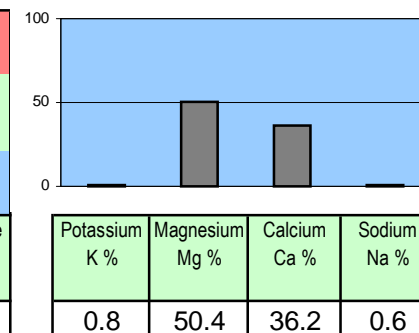
LAB NO: 58182

SAMPLE ID: 402AA

PAGE: 1



Percent Cation Saturation (computed)



Soil Fertility Guidelines

CROP: TOMATOES

RATE: lb/acre

NOTES:

Dolomite (100 score)	Lime (100 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	
	3000			170	230	240		20						

C TOMATOES: Band up to 20 lb N + 60 lb P₂O₅ + 20 lb K₂O/ac 2-4 inches below seed/transplants. Either split
O remaining nitrogen over 8 weeks after establishment, or apply according to requirements.
M LIME REQUIREMENT: Liming may be necessary if buffer index is less than 6.9. Guidelines are based upon
M common agricultural lime (100-score) per six-inch depth to raise SOIL pH to about 6.5.
E NITROGEN: Use local conditions and experience with variety to determine rates and timing. Allow for
N nitrate levels in your water source also (ppm NO₃ X 0.61 = lb N/ac-ft water). Monitor tissue-N.
T POTASH: Side-banding 6 to 8 inches INTO the soil is more effective than surface banding or broadcasting,
S but be careful of salt burn. Alternatively, include in irrigation water.

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Rogell Rogers

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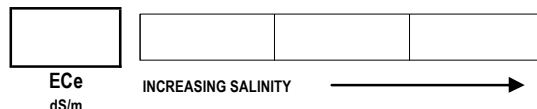
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PAGE: 2

	Very High														
	High														
	Medium														
	Low														
	Very Low														
Analyte	Organic Matter %	Nitrogen NO ₃ -N ppm	Phosphorus Weak Bray ppm	Phosphorus NaHCO ₃ -P ppm	Potassium K ppm	Magnesium Mg ppm	Calcium Ca ppm	Sodium Na ppm	Sulfur SO ₄ -S ppm	Zinc Zn ppm	Manganese Mn ppm	Iron Fe ppm	Copper Cu ppm	Boron B ppm	Chloride Cl ppm
Results	4.3	5	8	8	37	868	1032	21	4						

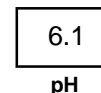
LOW AVERAGE HIGH



INCREASING SALINITY



Ex. Lime



ACIDIC

BASIC

Buffer pH: 6.7



NaHCO₃-P unreliable at this soil pH

Soil Fertility Guidelines

CROP: TOMATOES

RATE: lb/acre

NOTES:

Dolomite (100 score)	Lime (100 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	
	2000			170	230	300		20						

C MAGNESIUM: If levels are very high, one may encounter drainage problems and potassium uptake may be hindered. Extra calcium may provide some benefit, but source should depend on soil pH.

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 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 may still be necessary.

N IF growth is not satisfactory, consider other likely causes such as waterlogging, light and temperature, herbicide residues, soil micronutrients, nematodes or other pests, and diseases.

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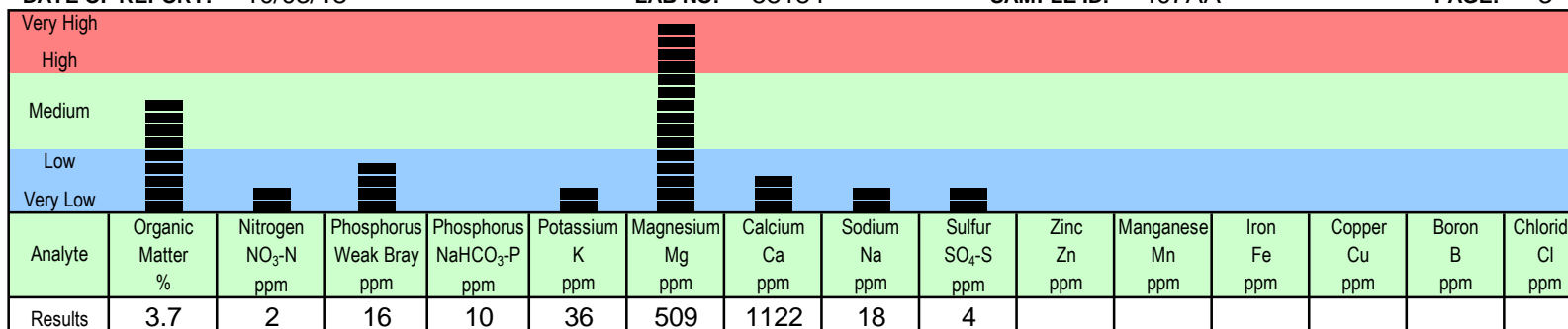
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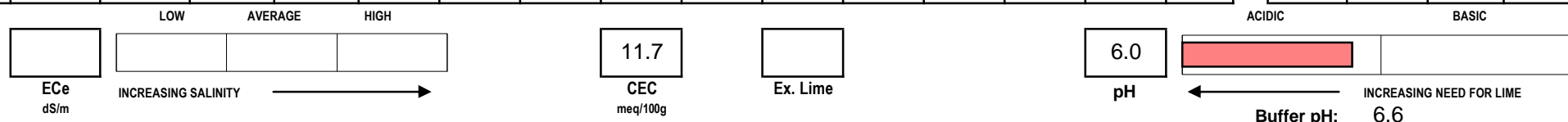
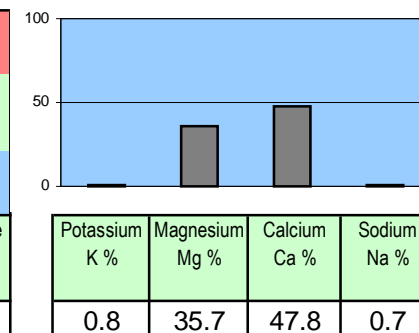
LAB NO: 58184

SAMPLE ID: 407AA

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Percent Cation Saturation (computed)



NaHCO₃-P unreliable at this soil pH

Soil Fertility Guidelines

CROP: TOMATOES

RATE: lb/acre

NOTES:

Dolomite (100 score)	Lime (100 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	
	3000			180	230	300		20						

PLEASE REFER to previous comments for remaining report.

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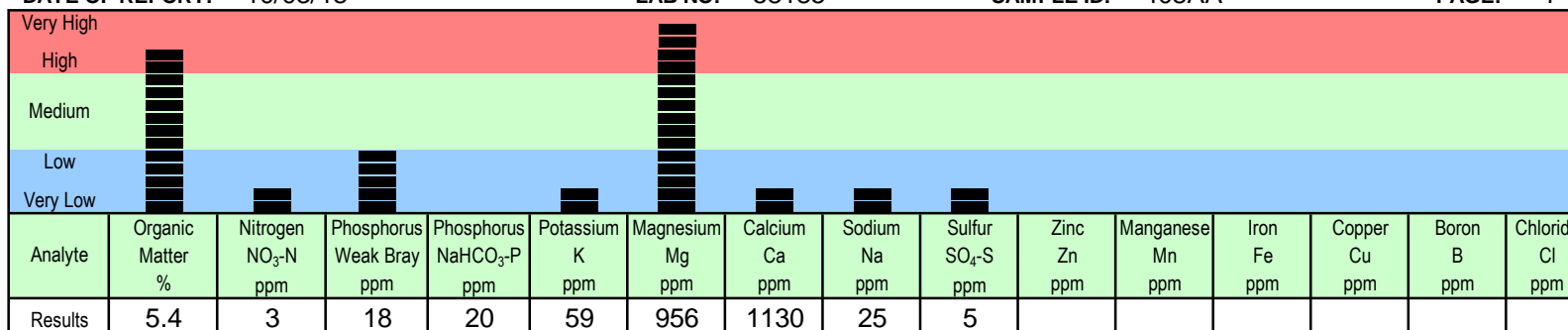
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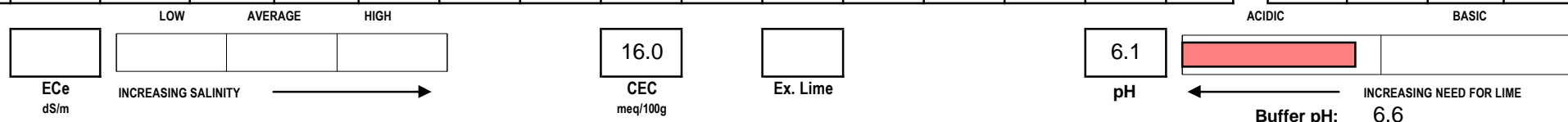
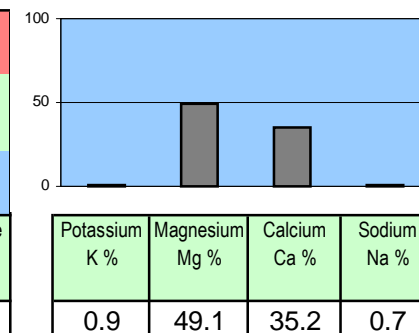
LAB NO: 58185

SAMPLE ID: 408AA

PAGE: 4



Percent Cation Saturation (computed)



NaHCO₃-P unreliable at this soil pH

Soil Fertility Guidelines

CROP: TOMATOES

RATE: lb/acre

NOTES:

Dolomite (100 score)	Lime (100 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	
	3000			160	160	210		20						

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