A & L WESTERN AGRICULTURAL LABORATORIES

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REPORT NUMBER: 15-084-117 **CLIENT NO:** 5048

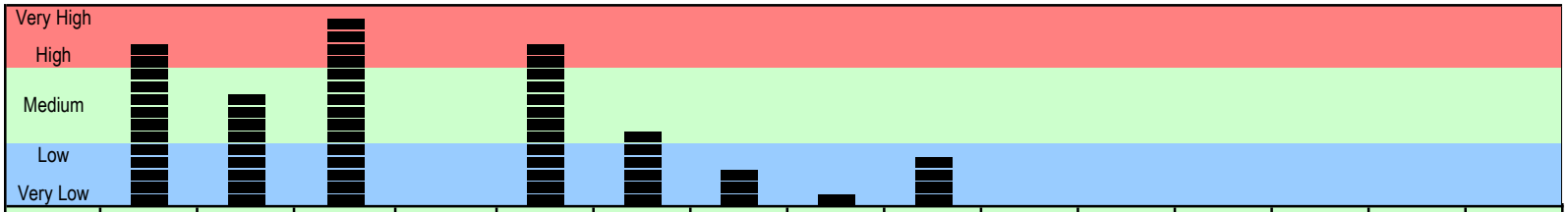
SEND TO: CLALLAM CONSERVATION DISTRICT
228 WEST 1ST STREET STE H
PORT ANGELES, WA 98362

GROWER: GROWING HEALTHY/WSU EXT

SUBMITTED BY: BETH LOVERIDGE

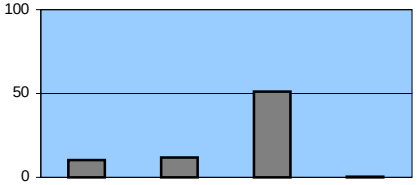
Graphical Soil Analysis Report

DATE OF REPORT: 03/30/15 **LAB NO:** 59300 **SAMPLE ID:** BBS15 **PAGE:** 1



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	8.9	24	100	151	795	290	2035	19	9						

Percent Cation Saturation (computed)



Potassium K %	Magnesium Mg %	Calcium Ca %	Sodium Na %
10.3	12.0	51.3	0.4

ACIDIC BASIC

LOW AVERAGE HIGH

ECe dS/m

INCREASING SALINITY

19.8 CEC meq/100g

Ex. Lime

5.5 pH

INCREASING NEED FOR LIME

Buffer pH: 6.0

NaHCO3-P unreliable at this soil pH

Soil Fertility Guidelines

CROP: BLUEBERRY **RATE:** lb/acre **NOTES:**

Dolomite 100 score	Lime 100 score	Gypsum	Elemental Sulfur	Nitrogen N	Phosphate P_2O_5	Potash K_2O	Magnesium Mg	Sulfur SO_4-S	Zinc Zn	Manganese Mn	Iron Fe	Copper Cu	Boron B	
								25						

COMMENTS

BLUEBERRY nitrogen rates refer to mature fields. 1st year = 10 lb N/ac increasing about 10 lb/ac each year, according to crop potential. Split applications between bud break and 6 weeks later.
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.
SURFACE MULCHING may be achieved using fresh sawdust. Treat a 3 ft width x 100 ft x 3 in depth with about 10 lb ammonium sulfate to avoid nitrogen starvation. Water regularly.

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Darcy L. Peebles, CCA
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