A & L WESTERN AGRICULTURAL LABORATORIES

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

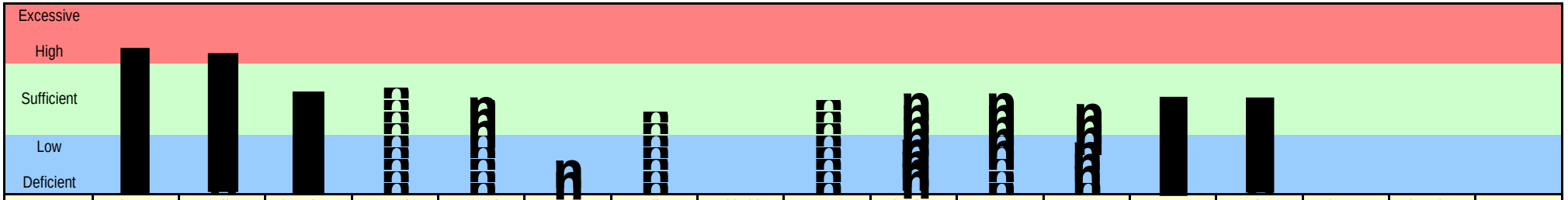
REPORT NUMBER: 00-336-049 **CLIENT NO:** 99999

SEND TO: Crop Specialists
Fresno, CA

SUBMITTED BY:

Graphical Plant Analysis Report

DATE OF REPORT: 5/30/23 **LAB NO:** 42809 **SAMPLE ID:** POOR **CROP:** Tomato- Leaf with Petiole **PAGE:** 1



Analyte	Nitrogen N %	Sulfur S %	Phosphorus P %	Potassium K %	Magnesium Mg %	Calcium Ca %	Sodium Na %	Chloride Cl %	Iron Fe ppm	Aluminum Al ppm	Manganese Mn ppm	Boron B ppm	Copper Cu ppm	Zinc Zn ppm	Nitrate-N NO_3-N ppm	Phosphate PO_4-P ppm	
Test Results	5.39	0.82	0.73	3.82	0.41	1.25	0.04		143	40	118	67	23	87			
Normal Range	2.35 5.00	0.40 0.80	0.35 0.75	3.50 6.30	0.35 0.80	2.00 4.00	0.01 0.03		80 200	1 300	100 300	30 80	7 20	35 100			

Ratios	N/S	N/P	N/K	Ca/Mg	N/Ca	K/Mg	P/S	Fe/Mn	Fe/Al	K/Mn	Ca/B	Cu/Mo	P/Zn				
Actual	6.6	7.4	1.4	3.0	4.3	9.3	0.9	1.2	3.5	323	187		84				
Expected	6.1	6.7	0.7	5.2	1.2	10.0	0.9	0.7	3.0	275	545		81				

DATE SAMPLED: / **GROWTH STAGE / PLANT PART:** BLOOM/LP

COMMENTS

NITROGEN: A deficiency may be due to inadequate applications, undecomposed organic matter, excessive leaching, poor drainage or a molybdenum deficiency. PHOSPHORUS: A deficiency may arise from inadequate applications, drought, extreme soil pH conditions, root damage or an excess of K, Cl, Zn, Cu, or Fe. Check growth stage.

DEFINITION OF INTERPRETATION RATINGS

Deficient:	Plants should be showing visible symptoms of a nutritional deficiency. Plant growth would definitely be curtailed by an insufficient amount of this element.
Low:	Plants may be normal in appearance but probably will be responsive to fertilization with this element.
Sufficient:	Plants contain adequate amounts of this element for maximum yield and are normal in appearance.
High:	Optimum yields can be expected and plants are normal in appearance. However, concentrations of this element are higher than normally expected.
Excessive:	Plants probably show symptoms of a nutritional disorder or stunted growth. Yields may be reduced significantly by an excessive amount of this element.

Mike Buttress, CPAg
A & L WESTERN LABORATORIES, INC.