

---

# APPENDIX B

A & L Western Agricultural Laboratories

# A & L WESTERN AGRICULTURAL LABORATORIES

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



REPORT NUMBER: 10-026-021

CLIENT NO: 9999-D

SUBMITTED BY: ADRIAN M JUNCOSA

SEND TO: VIRGINIA MAHACEK  
1034 EMERALD BAY RD 434  
SOUTH LAKE TAHOE, CA 96150-

GROWER: VALLEY & MOUNTAIN CONSULTING

DATE OF REPORT: 02/18/10

## SOIL ANALYSIS REPORT

PAGE: 1

SAMPLE ID	LAB NUMBER	Organic Matter		Phosphorus		Potassium	Magnesium	Calcium	Sodium	pH		Hydrogen	Cation Exchange Capacity	PERCENT CATION SATURATION (COMPUTED)					
		*	**	P1	NaHCO <sub>3</sub> -P	K	Mg	Ca	Na	Soil pH	Buffer Index	H meq/100g		C.E.C. meq/100g	K %	Mg %	Ca %	H %	Na %
		% Rating	ENR lbs/A	(Weak Bray) ppm	(OlsenMethod) ppm	**** *	**** *	**** *	**** *				**** *						
BP-1	56342	14.3VH	316																
E1-1	56343	6.5VH	160																
E1-2	56344	5.1H	131																
E1-3	56345	3.7M	105																
J1-1	56346	6.8VH	167																

SAMPLE NUMBER	Nitrogen NO <sub>3</sub> -N ppm	Sulfur SO <sub>4</sub> -S ppm	Zinc Zn ppm	Manganese Mn ppm	Iron Fe ppm	Copper Cu ppm	Boron B ppm	Excess Lime Rating	Soluble Salts mmhos/cm	Chloride Cl ppm	SAT.	PARTICLE SIZE ANALYSIS					
												SAND %	SILT %	CLAY %	SOIL TEXTURE		
BP-1																	
E1-1											59.1	60	28	11	SANDY LOAM		
E1-2											49.9	56	30	13	SANDY LOAM		
E1-3											51.6	62	24	13	SANDY LOAM		
J1-1											48.9	64	22	13	SANDY LOAM		

\* CODE TO RATING: VERY LOW (VL), LOW (L), MEDIUM (M), HIGH (H), AND VERY HIGH (VH).

\*\* ENR - ESTIMATED NITROGEN RELEASE

\*\*\* MULTIPLY THE RESULTS IN ppm BY 2 TO CONVERT TO LBS. PER ACRE OF THE ELEMENTAL FORM

\*\*\*\* MULTIPLY THE RESULTS IN ppm BY 4.6 TO CONVERT TO LBS. PER ACRE P<sub>2</sub>O<sub>5</sub>

\*\*\*\*\* MULTIPLY THE RESULTS IN ppm BY 2.4 TO CONVERT TO LBS. PER ACRE K<sub>2</sub>O

MOST SOILS WEIGH TWO (2) MILLION POUNDS (DRY WEIGHT) FOR AN ACRE OF SOIL 6-2/3 INCHES DEEP

This report applies only to the sample(s) tested. Samples are retained a maximum of thirty days after testing.

*MB* att:use

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

# A & L WESTERN AGRICULTURAL LABORATORIES

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



REPORT NUMBER: 10-026-021

CLIENT NO: 9999-D

SUBMITTED BY: ADRIAN M JUNCOSA

SEND TO: VIRGINIA MAHACEK  
1034 EMERALD BAY RD 434  
SOUTH LAKE TAHOE, CA 96150-

GROWER: VALLEY & MOUNTAIN CONSULTING

DATE OF REPORT: 02/18/10

## SOIL ANALYSIS REPORT

PAGE: 2

SAMPLE ID	LAB NUMBER	Organic Matter		Phosphorus		Potassium	Magnesium	Calcium	Sodium	pH		Hydrogen	Cation Exchange Capacity	PERCENT CATION SATURATION (COMPUTED)					
		*	**	P1	NaHCO <sub>3</sub> -P	K	Mg	Ca	Na	Soil pH	Buffer Index	H meq/100g		C.E.C. meq/100g	K %	Mg %	Ca %	H %	Na %
		% Rating	ENR lbs/A	(Weak Bray) **** *	(OlsenMethod) **** *	**** *	**** *	**** *	**** *										
J1-2	56347	4.8H	126																
J1-4	56348	3.1M	91																
E1-4	56349	1.9L	67																
J1-3	56350	2.1L	73																

SAMPLE NUMBER	Nitrogen NO <sub>3</sub> -N ppm	Sulfur SO <sub>4</sub> -S ppm	Zinc Zn ppm	Manganese Mn ppm	Iron Fe ppm	Copper Cu ppm	Boron B ppm	Excess Lime Rating	Soluble Salts mmhos/cm	Chloride Cl ppm	SAT.	PARTICLE SIZE ANALYSIS			
												SAND %	SILT %	CLAY %	SOIL TEXTURE
J1-2											53.8	64	22	13	SANDY LOAM
J1-4											41.1	72	14	13	SANDY LOAM
E1-4											50.4	60	22	17	SANDY LOAM
J1-3											44.9	72	14	13	SANDY LOAM

\* CODE TO RATING: VERY LOW (VL), LOW (L), MEDIUM (M), HIGH (H), AND VERY HIGH (VH).

\*\* ENR - ESTIMATED NITROGEN RELEASE

\*\*\* MULTIPLY THE RESULTS IN ppm BY 2 TO CONVERT TO LBS. PER ACRE OF THE ELEMENTAL FORM

\*\*\*\* MULTIPLY THE RESULTS IN ppm BY 4.6 TO CONVERT TO LBS. PER ACRE P<sub>2</sub>O<sub>5</sub>

\*\*\*\*\* MULTIPLY THE RESULTS IN ppm BY 2.4 TO CONVERT TO LBS. PER ACRE K<sub>2</sub>O

MOST SOILS WEIGH TWO (2) MILLION POUNDS (DRY WEIGHT) FOR AN ACRE OF SOIL 6-2/3 INCHES DEEP

This report applies only to the sample(s) tested. Samples are retained a maximum of thirty days after testing.

*MB* att:use

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