

# A & L WESTERN AGRICULTURAL LABORATORIES

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REPORT NUMBER: 00-336-047

CLIENT: 9999-D

SUBMITTED BY:

SEND TO: A & L WESTERN AGRICULTURAL LABS  
1311 WOODLAND AVE.  
MODESTO, CA 95351-

GROWER: EXAMPLE REPORT

DATE OF REPORT: 11/29/04

## SOIL FERTILITY GUIDELINES

RATE: lb/acre

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Sample ID	Lab Number	Crop	SOIL AMENDMENTS				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
			Dolomite	Lime	Gypsum	Elemental Sulfur										
130-1	55931	GRAPES		9000			20		180	20	10			10	2.0	
130-2	55932	GRAPES		9999			40		240		10	10		10	2.0	
12-1	55933	GRAPES		6000			30	160	180	20	10	10		10	1.0	
12-2	55934	GRAPES		4000			30	200	300	20	10	10		10	2.0	

**C** DEPTH OF SAMPLING: Soil fertility could differ greatly with depth. Concentrate on amending and  
**O** fertilizing the topsoil zone only, but take note of trends down the profile that may need attention.  
**M** LIME REQUIREMENT: Liming may be necessary if buffer index is less than 6.9. Guidelines are based  
**M** upon common agricultural lime (70-score) per six-inch depth to raise SOIL pH to about 6.5.  
**E** FERTIGATION: Light frequent applications of fertilizer through the irrigation water will provide the  
**N** most efficient uptake of nutrients. Limit applications to active growth periods.  
**T** NITROGEN: Use local conditions and experience with variety to determine rates and timing. Allow for  
**S** nitrate levels in your water source also (ppm NO<sub>3</sub> X 0.61 = lb N/ac-ft water). Monitor tissue-N.

**NOTES:**

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*MB* *alt* *11/29/04*

Mike Buttress, CPAg

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