

## KIWIFRUIT LEAF ANALYSIS VALUES

(Preliminary Leaf Blade and Petiole Nutrient Standards)

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Based on surveys of kiwifruit vineyards 1976 through 1979 in several areas of California. Leaves sampled were first to third leaves beyond fruit on fruiting canes or mid cane leaves on nonbearing vines. Critical levels of nutrients based on extensive field and pot studies are not available in United States or New Zealand at this time.

	LEAF BLADE %		PETIOLE NO <sub>3</sub> -Nitrogen ppm	
	Adequate	Deficient	Adequate	Deficient
<u>Nitrogen (N)</u>				
May	3.0%+	Below 2.5%	3000-8000	Below 2000
July	2.0-2.5%	Below 1.8%	2000-9000	Below 1000
Nov.	1.7-2.5%	Below 1.5%	2000-7000	Below 1000
<u>Potassium (K)</u>			<u>Potassium (K) acetic acid extractable</u>	
May	1.5-3.0%	Below 1.2%	2.0-4.0%	Below 1.5%
July	1.4-2.0%	Below 0.6%	2.0-4.0%	Below 1.0%
Nov.	0.9-1.5%	Below 0.5%	1.0-2.0%	Below 0.5%
<u>Phosphorus (P)</u>			<u>PO<sub>4</sub>-phosphorus</u>	
May-Aug.	0.13-0.3%	Below 0.1%	1000-3000	Unknown
<u>Calcium (Ca)</u>				
May	1.5%+			
July	2.0%+			
Nov.	3-4%			
<u>Chloride (Cl)</u>		<u>High (causes leaf burn)</u>		
May	0.2-1.0%	Over 1.2%		
July	0.2-1.3%	Over 1.5%		
Nov.	0.2-1.6%	Over 1.8%		
<u>Zinc (Zn)</u>		<u>Deficient</u>		
	12-30 ppm	Below 12 ppm		
<u>Boron (B)</u>		<u>Excessive</u>		
	30-90 ppm	100 ppm +		
<u>Sodium (Na)</u>	---	Over 0.1%		