



Presented by Danny Klittich Ph.D., Agronomist

## Danny Klittich, PhD

## Agronomist

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Dr. Klittich earned his PhD from UC Davis. He is the Redox Reginal Agronomist for the California Coast. Dr. Klittich works extensively in avocados, strawberries, leafy greens, citrus, and wine grapes.





















-Dr. Carol Lovatt, UCR







Redox	рн: 6.3 СЕС: 1	15.66 🕺 Organic Ma	Her 1.590%	
KOWING BEYOND	Results	Priorities	Glossary	
KNOW WHAT IS GOING ON	Calcium		>	
IN THE SOIL	Chem. Entraction S	Chem. Extraction Sol. Paste Extraction Base Sat. 16		
	2002 (mod low) 3	877.1 (high) 63.9	92 (mod low)	
POSSIBLE DIFFENCENCY	Magnesium		>	
	Chom. Extraction	Sol. Paste Extraction	Base Sat. %	
	310.9 (ok)	77.56 (high)	16.55 (ok)	
	Potassium		>	
	Chem. Extraction	Sol. Paste Extraction	Base Sat. %	
	127.5 (low)	11.72 (very low)	2.09 (low)	
	Sodium		>	
	Chem. Extraction	Sol. Paste Extraction	Base Sat. 1	
	66.44 (ok)	80.91 (high)	1.84 (ok)	
	Dhambanus		-	
	hin	n A	Q	

Redox	pH: 8.0 CEC: 2	24.12 % Organic Ma	tter: <b>1.310%</b> S
KNOW WHAT IS GOING ON	Calcium	Priorities	Glossary
	2432.25 (low)	Sol. Paste Extraction 49.83 (very low)	Base Sat. % 50.41 (low)
POSSIBLE DIFFENCENCY	Magnesium		>
	Chem. Extraction 1193 (high)	Sel: Paste Entraction 30.51 (low)	Base 5a( 1)- 41,21 (high)
WATER MOVEMENT			
- CEC	Potassium		>
- HIGH Mg, Na, Cl	Chem. Extraction 335 (low)	Sol. Paste Extraction 9.13 (very low)	Base Sat % 3.56 (low)
SALT	Sodium		>
	Chem. Extraction 78.81 (ok)	Sol. Paste Extraction 17.86 (high)	Base Sat. %. 1.42 (ok)
ORGANIC MATTER	Dhoonhouse	n 1	©





















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	<b>MICRONUTRIENTS</b> • Zinc – Zn <sup>**</sup> • Manganese - Mn <sup>**</sup> • Iron - Fe <sup>**</sup> , Fe <sup>***</sup> • Boron – B(OH) <sub>3</sub> • Copper - Cu <sup>**</sup> • Molybdenum – MoO <sub>4</sub> <sup>=</sup> • Chlorine – Cl <sup>*</sup> • Sodium – Na <sup>*</sup>
Redox GROWING BEYOND	MACRONUTRIENTS • Nitrogen $- NH_4^+, NO_3^-$ • Phosphorous $- PO_4^-$ • Potassium $- K^+$ • Calcium $- Ca^{++}$ • Magnesium $- Mg^{++}$ • Sulfur $- SO_4^-$ • Sulfur $- SO_4^-$ • Cobalt $- Co^{++}$ • Nickel $- Ni^{++}$ • Silicon $- Si(OH)4$











Redox GROWING BEYOND	ABIOTIC STRESS DEFENSE	
<b>diKaP™</b> INCREASES PLANT RESPIRATION	Redox	
GUARANTEED ANALYSIS Available Phosphate (P2O5)		
<ul> <li>Increases plant respiration and antioxidant production</li> <li>Improves stomatal conductance</li> </ul>		
✓ Improves phosphorus and potassium nutrition		























































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