Soil Level Table

The levels assigned are generalized to be applicable to most cropping environments Some crops may need more or less of specific nutrients (N, P, K)

Some crops may nee	ed more or less of s	that applying r	(N, P, K)	olicit o grow	th response
Medium	Moderate probability of plant growth response from application of the nutrient. Little or no crop response expected from application of this nutrient. Adding the nutrient may reduce growth or cause an imbalance.				
Very High					
Nutrient				units	Method
EC	Low	0	0.49	dS/m	Water extract
	Medium	0.5	3.5	dS/m	
	Hign Very High	3.59 4.5	4.49	dS/m dS/m	
На	Low	0	5.99	SU	Water extract
P	Medium	6	8	SU	
	High	8.01	8.39	SU	
	Very High	8.4		SU	
Sodium, Na	Low	0	100	ppm	NH4OAc (pH 8.5)
	Medium	101 201	200	ppm	
	Very High	301	500	ppm	
Calcium, Ca	Low	0	500	ppm	NH4OAc (pH 8.5)
	Medium	501	1500	ppm	
	High Very High	1501 3001	3000	ppm ppm	
Magnesium, Mg	Low	0	80	maa	NH4OAc (pH 8.5)
	Medium	81	139	ppm	
	High	140	250	ppm	
	Very High	251		ppm	
Potassium, K	Low	0	80	ppm	NH4OAc (pH 8.5)
	Medium	81	249	ppm	
	High Vory High	250	400	ppm	
	very Figh	401		ppm	
Nitrate-N, NO3-N	Low	0	9.9	ppm	Cadmium Reduction
	Medium	10	25.9	ppm	
	Very High	51	50.9	ppm	
Phosphate-P PO4	- Low	0	99	nnm	Olsen Bicarbonate Extraction
1 100011010 1 , 1 0 -	Medium	10	25.9	ppm	
	High	26	50.9	ppm	
	Very High	51		ppm	
Boron, B	Low	0	0.19	ppm	Hot Water Soluble
	Medium	0.2	0.49	ppm	
	High	0.5	2	ppm	
	very High	2.1		ppm	
Sulfate-S, SO4-S	Low	0	4.9	ppm	Water Soluble
	Medium	5	9.9	ppm	
	High Very High	10 51	50	ppm ppm	
		0	0.5		DTDA
Iron, Fe	Low Medium	26	2.5 7 9	ppm	DIPA
	High	2.0	49.9	ppm	
	Very High	50		ppm	
Copper, Cu	Low	0	0.19	ppm	DTPA
	Medium	0.2	0.49	ppm	
	High	0.5	2.59	ppm	
	very High	2.6		ppm	
Zinc, Zn	Low	0	0.49	ppm	DTPA
	Medium	0.5	2.49	ppm	
	Ngn Verv Hiah	∠.⊃ 5 1	Э	ppm	
	vory ringit	0.1		221	
Manganese, Mn	Low	0	2.5	ppm	DTPA
	ivieaium	2.6	7.9	ppm	

Sources: Agronomic Handbook by JB Jones; Western Fertilizer Handbook; personnal consultation with four consulting agronomist in western US.

8

50

49.9

ppm

ppm

High

Very High