

	Units	Soil Test Index				
		V. Low	Low	Medium	High	V. High
P (Olsen)	ppm	1 - 3	4 - 7	8 - 11	12 - 15	16+
P (Bray)	ppm	1 - 5	6 - 10	11 - 15	16 - 20	20+
K	ppm	1 - 40	41 - 80	81 - 120	121 - 160	161+
Zn	ppm	.01 - .3	.31 - .6	.61 - 1	1.01 - 2	2.01+
B	ppm	.01 - .4	.41 - .8	.81 - 1.2	1.21 - 1.6	1.61+
S	lb/a	1 - 6	7 - 14	15 - 30	31 - 40	41+
Cl	lb/a	1 - 15	16 - 30	31 - 40	41 - 60	61+
Mg	ppm	1 - 83	84 - 166	167 - 250	251 - 400	401+
Ca	ppm	1 - 500	501-1000	1001-1500	1501-2000	2001+
Fe	ppm	.1 - 2.5	2.6 - 5	5.1 - 7.5	7.7 - 10	10.1+
Mn	ppm	.1 - 0.5	0.51 - 1	1.1 - 2	2.1 - 10	10+
Na	ppm	1 - 40	41 - 80	81 - 120	121 - 160	161+
Cu	ppm	0.1 - 2	.21 - .4	.41 - .6	.61 - .8	.81+
S. Salts	mmhos/cm	.01 - .25	.26 - .5	.51 - .75	.76 - 2.0	2.1+
OM	%	.1 - 1.5	1.6 - 3	3.1 - 4.5	4.6 - 6	6+
pH		4.5 - 5.5	5.6 - 6.5	6.6 - 7.5	7.6 - 8.5	8.5+
CCE	%	0 - 1.0	1.1 - 2.5	2.5 - 5.0	5.0 - 10	10+

## Estimated Soil Texture

Cation exchange capacity (CEC) can be used to estimate soil texture.

For soils with pH > 7.3, soil texture is not accurately estimated from CEC.

For soils with salinity > 0.5 dS/m, soil texture is not accurately estimated from CEC.

Soils with pH < 7.3 will have estimated soil texture reported, based on CEC.

CEC (cmolc/kg)	Organic Matter	Estimated Soil Texture	Soil Texture Family
0 to 10	<20	Sand	Coarse
10 to 20	<20	Coarse loam	Medium
20 to 30	<20	Fine loam	Medium
30+	<20	Clay/Clay loam	Fine
	>20	Peat/Muck	Organic