

# Relative Soil Test Index Values

80

	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 higher than 7.6 we cannot estimate the soil texture based on CEC. These soils can have elevated levels of calcium carbonate and salinity which will give inflated CEC values.

Soils that have a pH less than or equal to 7.6 will have an estimated texture based on CEC shown in the table.

CEC Reading	Organic Matter	Estimated Texture	Category
0 to 10	<20	Sands	Coarse
10 to 20	<20	Coarse Loams	Medium
20 to 30	<20	Fine Loams	Medium
30+	<20	Clays/ Clay Loams	Fine
	>20	Peat/Muck	Organic