Table 6.4: Summary of Soil Invertebrate Toxicity Thresholds for NaCl in Soil

Ecological Endpoint	Salt or Ion	Concentration in Soil (mg/kg)	Comments
EC_{50} -NL	NaCl	1,200	Nominal concentration
	Cl^-	728	
	Na^+	472	
	Cl^-	630	Measured in Saturated Paste
	Na^+	320	
LC_x	NaCl	4,700	Nominal concentration
	Cl^-	2,900	
	Na^+	1,800	
	Cl^-	2,500	Measured in Saturated Paste
	Na^+	1,200	

Copied from Bright and Addison, Royal Roads University, 2002.

The foregoing slides show that many plants and soil invertebrates suffer actual growth or population decline at chloride concentrations well below 1,000 mg/kg, whether as a spiked concentration in soil or as a measure derived from saturated paste.

Similar damages occur near EC = 4.

How do we reconcile EC and Chloride as indicators of biological damage?