

	2) Put the dried soil sample into a beaker and add the same ratio of For example, 50 mL of water are added to 50 g of soil.					
		3) Thoroughly mix the soil sample with water and let it settle for around 20 minutes.				
	· ·	4) Measure the electrical conductivity in the solution above the precipitate . $I_{0}^{\frac{1}{4}}$				
	(ECe) ⁵ : In sandy In loamy In clay so	5) Recalculate your measurement $(EC_{1:1})$ to saturated paste solution $(ECe)^5$: In sandy soil: ECe = EC _{1:1} x 2.42 In loamy soil: ECe = EC _{1:1} x 2.06 In clay soil: ECe = EC _{1:1} x 1.96 If no information about soil texture is available: ECe = EC _{1:1} x 2.11				
ADVANTAGES OF THE METHOD	can ther	The reading from this method is highly accurate. This method is cheap and can therefore be used for a larger number of samples to determine differences between different areas of a same field.				
LIMITATIONS OF THE METHOD		A device for measuring electrical conductivity is needed and requires calibration with a standard salt solution. Cannot be carried on in the field.				
QUESTIONS TO BE ADDRESSED	dS/m? W cultivated observe salinizatio	What is the value of ECe measured? Is this value higher or lower than 2 dS/m? What does this imply? Did you find varying values between soils cultivated with different crops and different irrigation practices? Did you observe other signs of salinization in soil or plants? What are the causes of salinization? How to prevent soil salinization? What are the practices to best manage saline soils?				
EVALUATION EXAMPLES						
POOR		MOE	MODERATE		GOOD	
Only salt tolerant crops and halophytes yield satisfactory		I YIEINS OT S	Yields of sensitive crops are limited		Low risk of the negative impact on crops	
Extremely saline soil: ECe values >15 dS/m	Very strongly saline so ECe value ranging from 8 to 7 dS/m	s ECe values ranging	ECe values ranging	Not sal <2 dS/n	ine soil: ECe values າ	