



CALCULATION	1) Calculate the fraction of an hour:		
	Fraction of an hour = minutes/60		
	2) Calculate the infiltration rate: Infiltration rate = 1 inch/ fraction of an hour		
	3) Compare the calculated infiltration rate with the following table according to your soil texture ³		
	Infiltration rate (cm/hour)	Soil Texture	
	>3	Sand	
	2-3	Sandy loam	
	1-2	Loam	
	0.5-1	Clay loam	
	0.1-0.5	Clay	
	4) Evaluate your soil's condition according to the examples at the end of the page		
ADVANTAGES OF THE METHOD	Standard method that can be repeated over time and space. Different soils can be compared		
LIMITATION OF THE METHOD	Requires specific tools. Can be difficult to be applied on heavily compacted soils. It lacks precision. Soil moisture conditions should be similar at different sampling sites, preferably near field capacity		
QUESTIONS TO BE ADDRESSED	What are the soil physical attributes that affect the observed infiltration rates? Have you observed differences between soil types? How do you think infiltration can be improved?		

EVALUATION EXAMPLES

POOR	MODERATE	GOOD
	table 1). Infiltration class is	Infiltration rates varies within the ranges of the reference values (see table 1). Infiltration class is moderately rapid (5-15 cm/hour), moderate (1.5-5 cm/hour), or moderately slow (0.5-1.5 cm/hour)

1 https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_050956.pdf 2 https://pubs.usgs.gov/wsp/1544f/report.pdf 3 https://www.fao.org/3/s8684e/s8684e0a.htm