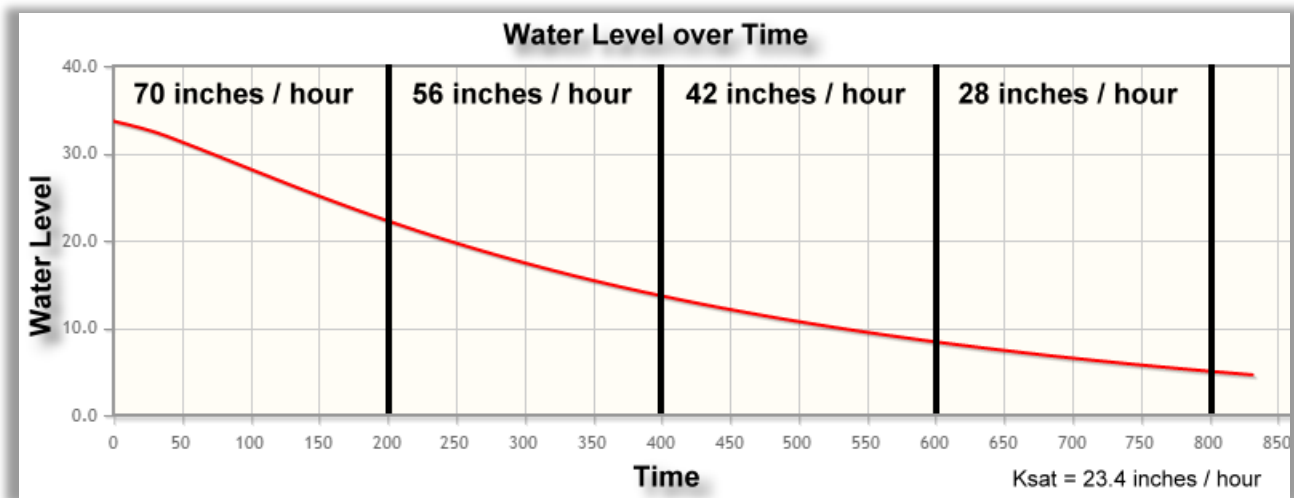


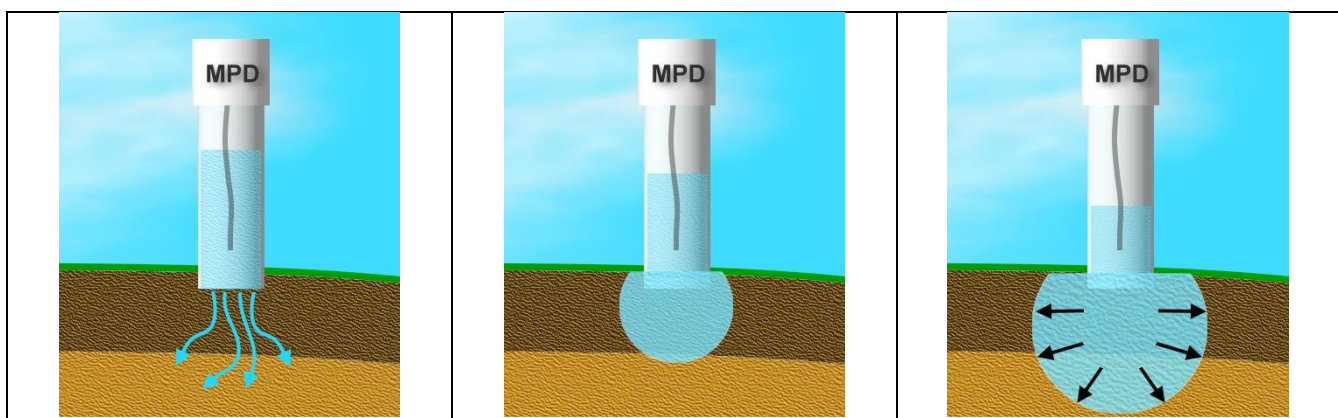
# What is Ksat? vs. Infiltration Rate?

**Infiltration Rate:** *The rate at which water infiltrates into the ground at any given moment, regardless of the current soil saturation.*



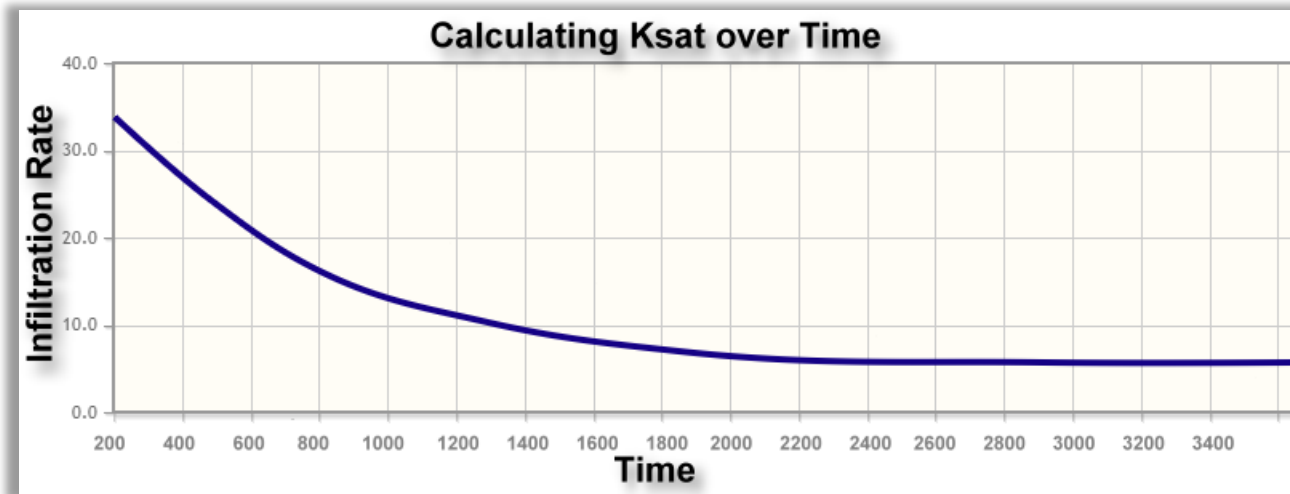
The graph above shows the water drop in a cylinder, over time (seconds). If infiltration rate were calculated every 200 seconds, you can see that infiltration slows down as the ground saturates (see figure below).

Infiltration Rate is a useful metric for determining when to irrigate crops as it indicates the soils current moisture saturation. Faster infiltration will indicate a drier soil.

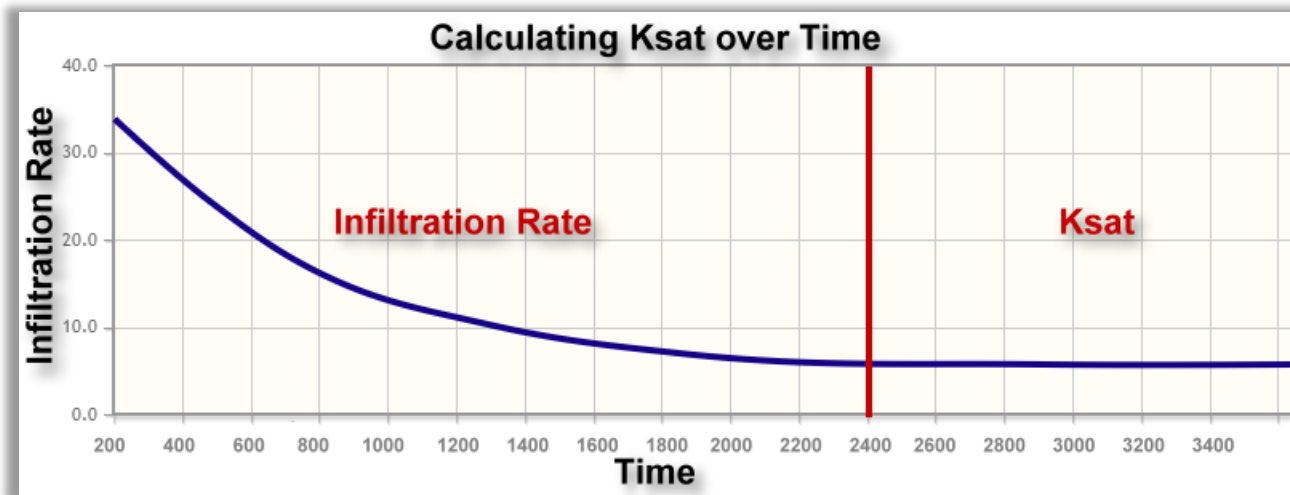


# What is Ksat? vs. Infiltration Rate?

**Ksat (Saturated Hydraulic Conductivity of Soil)** is the infiltration rate once the ground has reached 100% saturation and the infiltration rate has become constant.



If infiltration rate is plotted over time, the curve will eventually flatten and become constant when the soil has reached 100% saturation. This constant is Ksat.



Ksat is the only reliable metric to quantify the condition of an infiltration raingarden and its expected performance during a storm event.