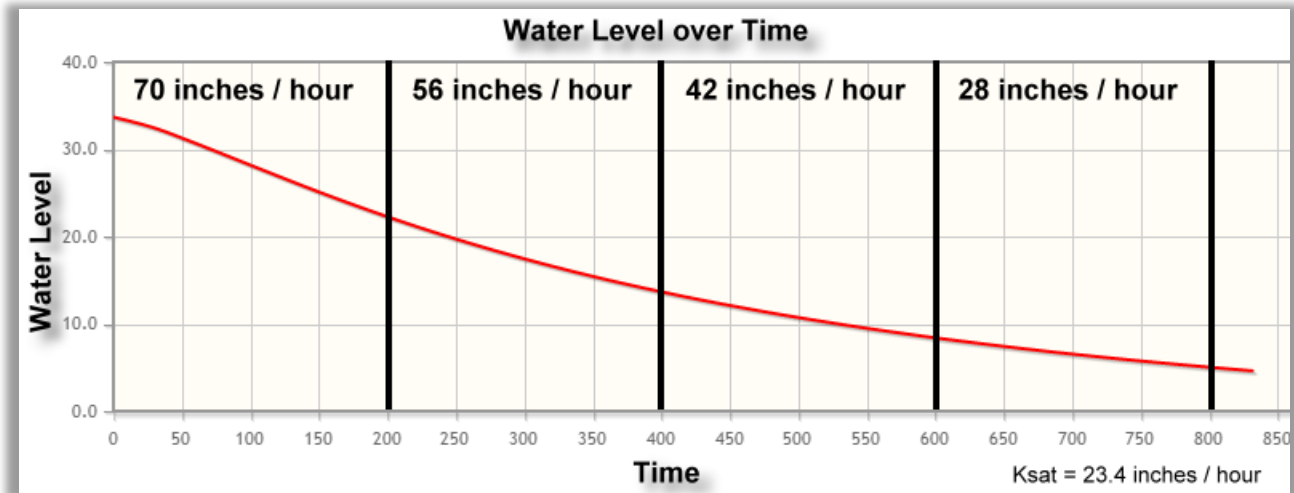
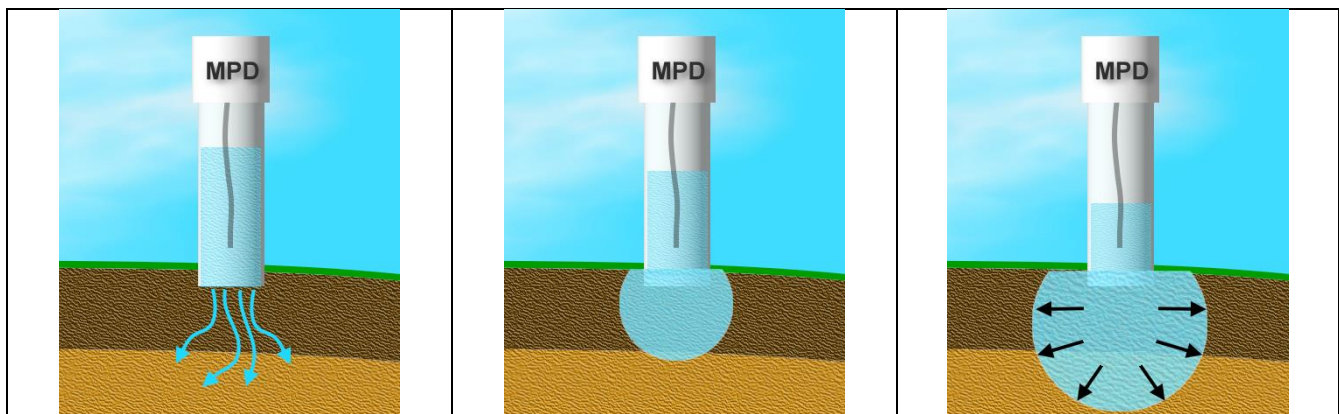


What is Infiltration Rate?

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

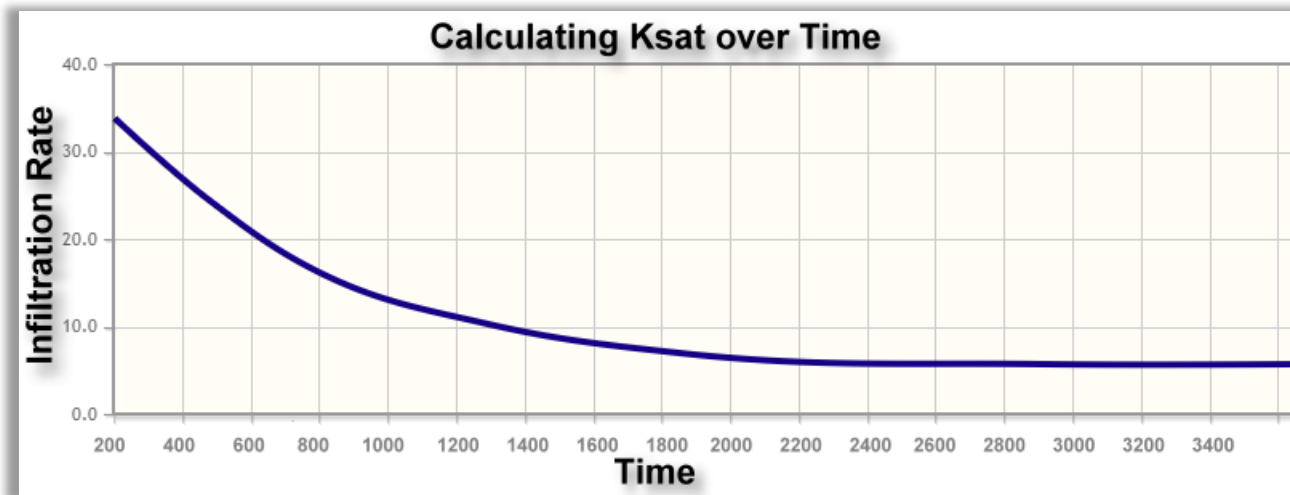


The graph above shows the water head drop (centimeters) over time (seconds). Infiltration Rate is calculated for each 200 second interval. As the ground saturates, the infiltration rate slows down. Infiltration Rate is a great metric for determining when to irrigate crops as it is inversely proportional to the current ground saturation. Given a known soil, higher Infiltration Rate will indicate a dryer soil.

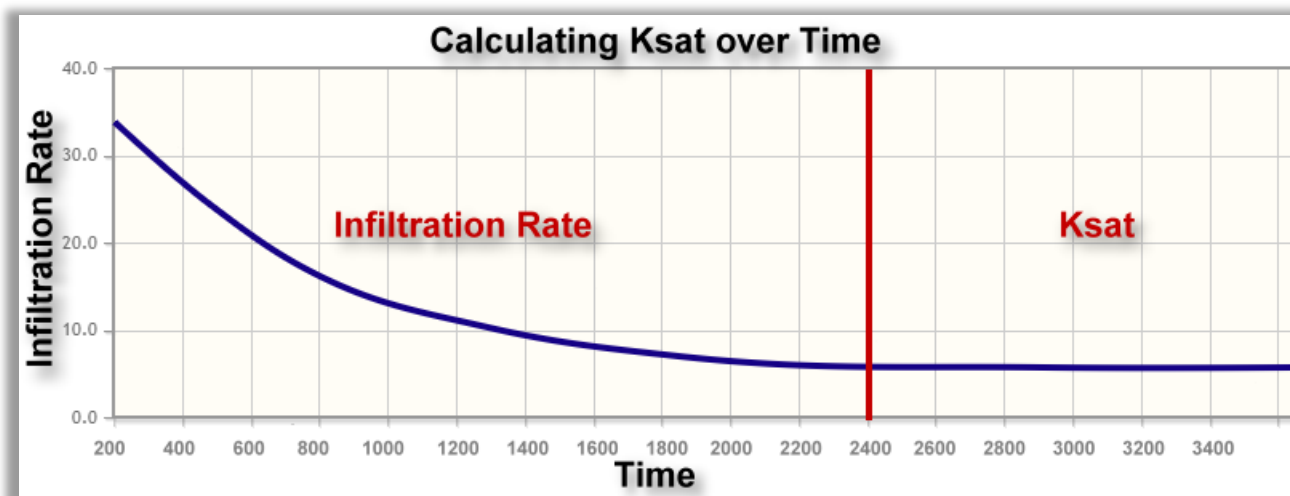


What is Ksat?

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



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 rain garden and its expected performance during a storm event.