

**Water balance equation**

$$N + W_{syn} = E + O + \Delta R + \Delta S + D$$

N = precipitation (specific location)

E = Evapotranspiration (specific location)

O = surface drainage (slope, incrustation of foreign matter, etc.)

$\Delta R$  = time delay of discharge (slowly draining water)

$\Delta S$  = water stored opposed to gravity (field capacity)

$W_{syn}$  = Difference between the water formed in the waste body and the water used

D = Drainage at the base seal