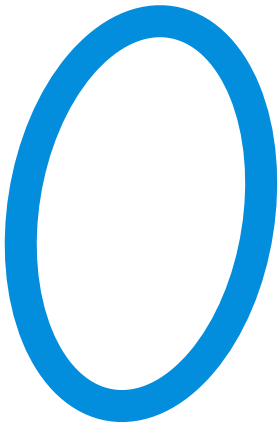

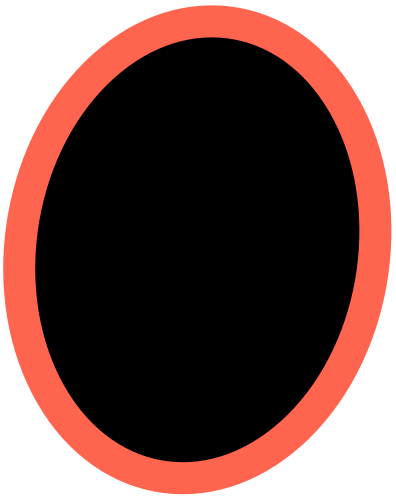

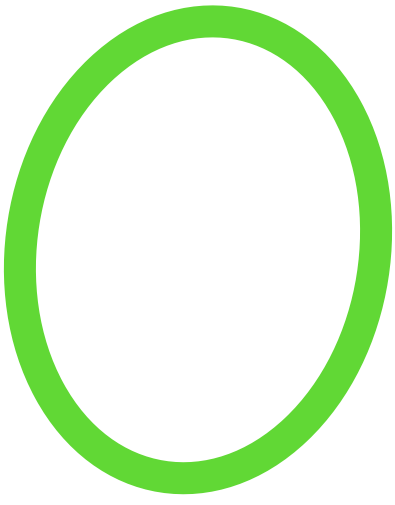

ENERGY BALANCE:

$$\rho C_P \frac{\mathrm{d}T}{\mathrm{d}t} = R_n - H - \lambda T - \lambda E - G$$

CARBON BALANCE

$$\frac{\mathrm{d}B}{\mathrm{d}t} = \epsilon T - R_A - R_H - E_C$$

WATER BALANCE:

$$\frac{\mathrm{d}\theta}{\mathrm{d}t} = P - T - E - L - Q$$

The Importance of Transpiration (T)

The Importance of Transpiration (T)

WATER BALANCE:

$$\frac{\mathrm{d}\theta}{\mathrm{d}t} = P - T - E - L - Q$$

ENERGY BALANCE:

$$\rho C_P \frac{\mathrm{d}T}{\mathrm{d}t} = R_n - H - \lambda T - \lambda E - G$$

CARBON BALANCE

$$\frac{\mathrm{d}B}{\mathrm{d}t} = \epsilon T - R_A - R_H - E_C$$

How much
water is this
tree using?