

Definition		Value	Data sources
Remote sensing parameters			
NDVI	Normalized difference vegetation index		Satellite imagery
T_{surf} (K)	Surface temperature (K)		Satellite imagery
α	Albedo		Satellite imagery
$\varepsilon_{\text{surf}}$	Surface emissivity		Satellite imagery
Φ (rad)	View zenith angle		Satellite imagery
Meteorological parameters			
R_g (W m^{-2})	Incoming solar radiation		In situ data
R_{atm} (W m^{-2})	Incoming atmospheric radiation		In situ data
T_a (K)	Air temperature at reference level		In situ data
RH_a (%)	Air relative humidity		In situ data
u_a (m s^{-1})	Horizontal wind speed at reference level		In situ data
Fixed parameters			
z_a (m)	Atmospheric forcing height	2.32	In situ data
z_v (m)	Vegetation height		Derived from land cover
β_{pot}	Evapotranspiration efficiency in full potential conditions	1.000	
β_{stress}	Evapotranspiration efficiency in fully stressed conditions	0.001	
r_{stmin} (s^{-1})	Minimum stomatal resistance	100	Boulet et al. (2015)
w (m)	Leaf width	0.05	Braud et al. (1995)
ε_v	Vegetation emissivity	0.98	Braud et al. (1995)
α_v	Vegetation albedo	0.25	Estimation
Constants			
ρ_{cp} ($\text{J kg}^{-1} \text{K}^{-1}$)	Product of air density and specific heat	1170	Braud et al. (1995)
σ ($\text{W m}^{-2} \text{k}^4$)	Stefan–Boltzmann constant	5.66×10^{-8}	Braud et al. (1995)
γ (Pa K^{-1})	Psychrometric constant	0.66	Braud et al. (1995)
$z_{\text{om,s}}$ (m)	Equivalent roughness length of the underlying bare soil in the absence of vegetation	5×10^{-3}	Braud et al. (1995)
n_{SW}	Coefficient in r_{av} (aerodynamic resistance between the vegetation and the aerodynamic level)	2.5	Boulet et al. (2015)
ξ	Ratio of soil heat flux G to available net radiation on the bare soil R_{ns}	0.4	Braud et al. (1995)