

Leaves lose (gain) heat through convection when Water vaporization requires energy. Evaporation leaf temperature is greater (less) than air from leaf interior lowers leaf temperature (Eqns 4-15). condensation (dew) increases it (Eqns 16-27).

leaf temperature increases about air temperature.

Sensible heat flux is proportional to the temperature Latent heat flux is proportional to vapor pressure difference between leaf and air; more heat is lost as deficit from air to leaf and the leaf conductance to water vapor.

temperature: