

Lecture – Climate constrains plant distributions

Terms to know relevant to today's lecture:

Adiabatic lapse rate

Arid climate

Circulation cells: Hadley cell, Ferrell cell, Polar cell

Coniferous tree

Coriolis effect

Equinox

Evapotranspiration

Freezing tolerance

Humid climate

Krummholz

Leaf area index

North-facing slope

Orographic

Percolation

Phytochrome

Potential evapotranspiration

Rain shadow

Runoff

Seedling establishment

Site water balance

Solstice

South-facing slope

Transpiration

Tree line