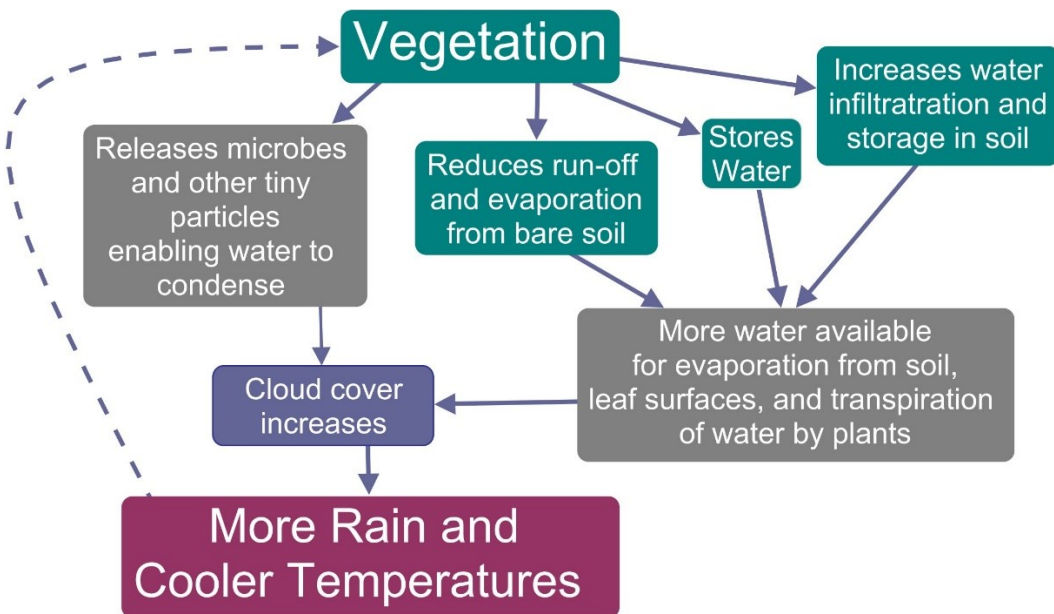


How to get more Rain

Trees make Rain – there is science now to prove it!

By growing more trees and other plant biomass across our catchments - in our farms, gardens and community open spaces - more water infiltrates and gets stored in our soil and vegetation.

More water is then available for evaporation from the soil, leaf surfaces, and transpiration from plants. As a result, cloud cover increases, and we get more rain.



How Plants create more Rain

1. Plants store water, capture dew, and reduce water loss through evaporation by providing wind protection and shade.
2. Plant roots create channels for water to move down through the soil, where less gets evaporated.
3. Grasses, other ground cover plants, and the mulch they produce increase water seepage into the soil by:
 - providing a protective cover slowing water flow across the ground and
 - preventing hard impermeable caps from forming on the soil surface.

More importantly, plants are the main food source for our soil organisms. With these and other resources soil organisms construct soil in which water readily infiltrates and is stored.

Something as simple as planting trees in fields increases water infiltration three-fold!

More water is then available for evaporation from the soil, leaf surfaces and transpiration. Cloud cover increases and we get more rain.

