

Background

Cover crop use is being encouraged in California partly due to their ability to *increase carbon in the topsoil, encourage microbial growth,* and *prevent erosion.* Despite this, it is still not clear whether cover crops improve infiltration and storage of water in the soil, especially after decades of use.

Since water movement through the soil is the main method of transport for carbon and nutrients, improved infiltration and storage due to cover crops can also result in more carbon being transported deeper, where it is less likely to be degraded by microbes and more likely to be stored.

Could the application of cover crops increase the movement and storage of carbon and water in soils?



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