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The amount of water a soil can retain against the pull of gravity is called its water holding capacity (WHC). This property is close related to the number of very small micro-pores present in a soil due to the effects of capillarity. Figure 1. The Soil Nitrogen Cycle. A schematic overview of the major N transformations in the soil N cycle (adapted from). Colored arrows correspond to specific N transformations (indicated at the top of the figure) that are catalyzed by specific enzymes, including various nitrate reductases (NAS, NAR, NAP, and EUK-NR), nitrite reductases (NIR, NRF), nitric oxide reductase (NOR), nitrous oxide ... An arbuscular mycorrhiza (plural mycorrhizas, a.k.a. endomycorrhiza) is a type of mycorrhiza in which the symbiont fungus (AM fungi, or AMF) penetrates the cortical cells of the roots of a vascular plant forming arbuscules. (Not to be confused with ectomycorrhiza or ericoid mycorrhiza.). Arbuscular mycorrhizas are characterized by the formation of unique structures, arbuscules and vesicles by ... Amendments used for remediation of contaminated soils influence metal(loid) bioavailability. • Case studies demonstrating the application of mobilization and ... - Nitrogen In Soils Of China Developments In Plant And Soil Sciences