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IMPORTANCE OF PHOSPHATE SOLUBILIZING MICROORGANISMS IN PHOSPHORUS ACQUISITION: A REVIEW

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ABSTRACT

The microorganisms involved in phosphorus acquisition include phosphate solubilizing microorganisms and mycorrhizal fungi. Phosphate solubilizing microorganisms play an important role to make use of unavailable forms of phosphorus and also help in making phosphorus available for plants to absorb. These microorganisms promote growth of plants by providing unavailable form of phosphorus of soil in available form. Phosphorus solubilizing microbes and mycorrhiza play role in phosphorus nutrition by enhancing its availability to plants through release from inorganic and organic soil Phosphorus (P) pools by solubilization and mineralization.

KEYWORDS: Fungi, Microorganisms, Mycorrhiza, Phosphorus, Phosphorus Solubilization