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Herbaceous Plant Cover Establishment in a Barren Materials Quarry


of

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Abstract: The ability to establish cover using grass and legume species without any soil preparation was studied in a barren materials quarry. The biodiversity indexes (Simpson) during the growing season as well as the vegetation cover and composition were measured. The results showed that the established species had a satisfactory cover (up to 87.5%). This means that we can achieve significant soil rehabilitation after mining using herbaceous plant cover and reduce the cost of rehabilitation by cutting the expenses of soil preparation.



Key Words: Biodiversity, soil analyses, soil rehabilitation, mining

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