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The invention refers to biotechnology, in particular to the strain of *Rhizobium phaseoli* bacterium, which may be used in agriculture in the capacity of fertilizer.

The strain of *Rhizobium phaseoli* has been isolated from big ligh pink tubers, collected from bean roots, cultivated on typical chernozem in the central zone of the Republic of Moldova, in the sector Ialoveni, municipality Chisinau.

The strain of *Rhizobium phaseoli* is deposited with the National Collection of Microorganisms (Institute of Microbiology of the A.S.R.M.) under the number CNM RB-04.

The result of the invention consists in enhancing the nitrogen fixation activity of the bean root system and in increasing its productivity.

Claims: 1