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

The *Rhizobium phaseoli* strain is deposited with the National Collection of Microorganisms of the Republic of Moldova (Institute of Microbiology of the Academy of Sciences of Moldova) under the number CNM RB-04.

The result of the invention consists in increasing the nitrogen-fixing capacity of the bean root system and in increasing the productivity thereof.

Claims: 1