



Agriculture applications of some Rhizobacterial strains isolated from Moldavian Plaine cambic - chernozemic soils

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Considering the benefits of intensive agriculture in our time and the negative impact of chemical fertilizers and pesticides against the environment, usage of plant growth-promoting rhizobacteria like biofertilizers is one of the most promising biotechnologies used for increasing the primary production, eliminating the need of chemical fertilizers. In this context, the aim of our work was to study the effects of some rhizobacterial strains isolated from moldavian plaine cambic - chernozemic soils on the development of soybean (*Glycine max* L.) plants. During the vegetation phases we measured some biometrical parameters (plant height, number of foils, foliar area, and nodulation). Our results suggest that rhizobacteria can stimulate the plant development probably through improvement of nitrogen fixation and radicular nutrients exchanges.