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Organization	Ministry Of Education, Culture And Research; Institute Of Microbiology And Biotechnology
Patent / patent application title	THE STRAIN OF NODULATING BACTERIA RHIZOBIUM JAPONICUM RD2, RH. PHASEOLI F1, RH. LEGUMINOSARUM K2 FOR THE TREATMENT OF SOYBEAN, BEANS AND PEAS SEEDS BEFORE SOWING
Authors	ONOFRAS L., TODIRAS V., PRISACARI S., LUNGU A.
Patent / patent application N°	PATENT MD 1011, 2387, 3054, 4246
Description	<p>Preperete biologice eficiente pentru tratarea semințelor de soia, fasole și mazăre înainte de semănat, obținute în baza tulpinilor bacteriene selectate de autori, și cultivate pe medii nutritive speciale. Utilizarea preperetelor bacteriene asigură îmbunătățirea fixării azotului de sistemul rizobio-radicular de 1,3-2,0 ori, acumularea azotului în sol (50 -120 kg/ha/annual) și majorarea recoltei de boabe - cu 15,0-24,8%.</p> <p>Efficient biological preparations for the treatment of soybean, beans and peas seeds before sowing have been obtained based on the bacterial strains found by the authors and their cultivation on special nutritive media. The use of bacterial preparations ensures the improvement of the nitrogen fixation capacity in rizobio-root system by 1,3-2,5 times, as well as the accumulation of nitrogen in the soil (50-120 kg/ha during a year) and the increasing of the seed yield by 15,0-24,8%.</p>
Domain	Microbiological industry