

ECOVITAL BIOPREPARATION FOR PLANT GROWING



General view and root system of *Kyivska 27* soybean for various inoculation options: 1 – reference (without inoculation); 2 – complex inoculation with *Ecovital*

Areas of Application

This is a highly effective complex biopreparation for presowing treatment of legume seeds (soybean, pea, chick-pea, etc.) in order to raise their productivity.

Stage of Development. Suggestions for Commercialization

IRL8, TRL9
Under the terms of license agreement, the microorganism strains and specifications are delivered. Advice can be provided

Specification

ECOVITAL consists of complementary nitrogen-fixing rhizobium strains (*Rhizobium* or *Bradyrhizobium* or *Sinorhizobium*) and phosphate-mobilizing bacterium strain *Bacillus megaterium*. For each species of leguminous plants *ECOVITAL* is based on respective legume bacteria strains. The biopreparation has a positive soil fertility aftereffect

Advantages

ECOVITAL is the only complex inoculant based on the association of natural rhizobium strains and phosphate-mobilizing bacteria of local selection. It shows its properties in the best way under extreme factors of local climate and physical-chemical soil conditions. The biopreparation has a balanced strain biosynthetic activity and spectrum of microbial metabolites. It is notable for a high stability and competitiveness with respect to local rhizobium. The biopreparation is effective for promising recognized varieties and various soils. *ECOVITAL* protects plants from diseases and stress factors and increases crop yield by 17–38%. Its quality meets the requirements for environmental safety and organic agriculture. It is compatible with agricultural chemicals (Maxim Star, Maxim XL 035 FS, Kinto duo, Vitavax 200 FF, and Fundazol), herbicides, and insecticides

IPR Protection

IPR3

Contact Information

Liudmyla V. Tytova, D.K. Zabolotny Institute of Microbiology and Virology of the NAS of Ukraine; +38 066 992 04 11, e-mail: ltytova.07@gmail.com