INSTRUCTIONS
FOR THE SKB-ZNSB APPLICATION FOR INCREASING PRODUCTIVITY OF AGRICULTURAL CROPS

SKB-ZNSB is used for the bacterization of seeds in order to improve the overall growth of plants and increase the productivity.

Nature of the biological effect of the preparation. SKB-ZnSB is a formulation containing consortium of high concentration of Zinc Solubilizing Bacteria. The principal mechanism of SKB-ZnSB involves production of organic acids and converting the insoluble Zinc sulphide, Zinc oxide and Zinc carbonate into available Zn+ through lowering the soil Ph and breaking down the complexity which increases the crop yield and soil health. In addition, the consortium is responsible for production of growth stimulating plant hormones, solubilization and mobilization of Phosphate, Potash and other important ions through production of organic acids and specific enzymes, as well as siderophore production which helps iron intake and induction of plant systemic resistance against negative factors of environment.

Form. The biological fertilizer is a brown powder, one gram of which contains no less than 10 billion spores.

Biological and economic efficiency. The use of the preparation contributes to an increase in the crop yield by 15-20%.

Technology of application. SKB-ZnSB, for pre-sowing bacterization of seeds, can be used both on the day of sowing and in advance (but no more than 2 weeks before sowing). It is allowed to treat seeds with SKB-ZNSB together with chemical fungicides and insecticides on the basis of Carbendazim, Fosetyl A180 WP, Hexaconazole SEC, Difenoconazole 25EC, Sulfur 80 WDG, Tebuconazole 25%EC, Fipronil 80% WG, Spinosad 45% SC, Metalaxyl 35%, Thiomithoxam 25%, Deltamethrin, Imidachlopride etc in the concentration used in the working mixture.

Seed treatment with SKB-ZNSB together with fungicides based on the combination of Carboxin+Thiram is carried out immediately before sowing. It is not recommended to use SKB_ZNSB with COC 50, Mancozeb 75 WP, Metatxyl+Mancozeb, Feramidone +Mancozeb, Dinocap 48EC and Thiram 75%. Most possible inhibitory activity of fungicide on SKB-ZNSB is because of Mancozeb when combinations have been tried together with fungicides containing a combination of Imazalil + Tebuconazole + Thiabendazole.

ATTENTION! The effectiveness of the fertilizer is achieved only if the instructions for use are followed

The mechanical bacterization of seeds is carried out by the working mixture simultaneously with applying fungicides and insecticides in special dressing machines at seed plants or directly on farms. After bacterization, the seeds are dried to an air-dry state. Work with treated seeds in personal protective equipment according to the current legislation (for example, boots, a respirator, a robe and etc.).

The consumption of SKB-ZNSB is 800 g to 1000 g per one ton.

WORKING MIXTURE. For one ton of wheat seeds, the volume of the working mixture is 12 liters, which includes: protective and stimulating substances, 800g to 1000g of bacterial preparation, 12 liters of water, 160 g of NaCMC (or other adhesive) previously dissolved in water, which is a part of the working mixture.

Type of packaging. 1 Kg Aluminium foil bags

Notes. The seeds treated with the microbial preparation must be protected from direct sunlight to protect the bacteria.

Contraindications to the use are not established. The preparation in recommended doses does not have side effects on plants. The preparation has no toxic effect on the human body, animals, insects, plants (biologically safe)

Shelf life. The preparation is stored in a dry dark room or in a refrigerator at a temperature of - 25°C to +25°C for 24 months. Increasing the storage temperature above 37° C is undesirable, as this may lead to a reduction in the shelf life.

UAB „Litimeksa“
www.litimeksa.com
litimeksa@gmail.com
Tel. +370 (622) 76 992