

**MAIZE GREEN MASS YIELD DEPENDING ON FERTILIZATION
SYSTEM AND INOCULATION OF SEEDS WITH BIOGARN ON
DRAINED SOD-PODZOLIC SOILS**

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It is given the research results on the efficiency of “Biogran” bacterial preparation in the process of corn silo cultivating when using various fertilizer systems. It is determined a positive effect of the preparation on the soil nutritive regime and yield.

Biogran, yield, soil nutritive regime, corn silo.

The biological system of fertilization on corn (green weight) using manure and syderatsiyi combined with inoculated seeds biohranom da shaft to obtain growth to control at 12.8 t / ha. The same was in the rack and mineral fertilizer system without seed inoculation Mr. biohra. Comparing the biological system fertilizing seed inoculation with and without drug, the drug has provided productivity growth is 2 times higher, or 6.3 t / ha.

It is established that corn seed inoculation biohranom stimulates biological activity of the soil, creates favorable conditions for the accumulation of nutrients, increased content of trace elements, including nitrogen contents that are hydrolyzed, increased by 3-5% phosphorus - 3-10%, and the content of exchangeable potassium little changed compared with areas where biohran not used. Also shown that biological fertilizer system for seed inoculation drug increases yields of 6.3 t / ha increase given other options within the error of the experiment: the mineral - 1.9 t / ha of organic-mineral - 3.4 t / ha.