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INFLUENCE OF FERTILIZER AND APPLICATION OF THE BIOPREPARATION ORGANIC-BALANCE IN MEADOW FODDER PRODUCTION

On the basis of experiments conducted in different regions of the country with using of the microbiological preparation organic-balance and adherent lyposam for improving the nutrition and diseases prevention, as well as to increase of plants productivity, it was fixed that expediently is to conduct the similar research in Forest-Steppe zone. As the effectiveness of organic-balance application as a result of experiments was confirmed: by extension of the growing season, improvement of the leaf surface, absence of fomological stains on the stalk, increase in the height of sunflower by 8–10 cm, diameter of the head at 2–3 cm, growth of sunflower yield has been obtained at outsible root application of biological preparations 3,5–4,0 c/ha (13,3–23,3 %).

As well as the results of research it was confirmed the positive effect of the use biological preparation organic-balance in conjunction with the lyposam of winter wheat plants Podolianka variety: thanks to efficient mineral nutrition intensity of plant growth and development increased assimilation surface increases, productive bushiness, number of grains in the spike, weight of the grain of the 1st spike and mass of 1000 grains grown.

The results from the use of biopreparations confirm that it is a good combination with traditional high-level agrotechnologies. This improves the absorption of mineral fertilizers, reduces the toxic effect of pesticides and increases their effectiveness. It is in such conditions the genetic potential of different agricultural crops is most productive. An equally important result of these biopreparation is significant savings on fertilizers, plant protection means, increase in yields and, as a result, economic efficiency from growing agricultural crops is increased.

Proceeding from this it is assumed that the processing of the vegetative mass of bean-cereal hay biological preparation organic-balance will give an opportunity to increase the area of the leaf surface thereby to increase the yield of dry mass and improve its quality.