AGRICULTURAL SCIENCE

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ВЛИЯНИЕ ТЕХНОЛОГИИ ПОЛИВА ДИФФЕРЕНЦИРОВАННЫМИ МАЛЫМИ НОРМАМИ НА ПЛОТНОСТЬ ПОЧВЫ Study of the Impact of Irrigation Technology by Small Norms on Improving the Soil Structure

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Offers innovative irrigation technology differentiated by small norms, based on accurate monitoring of soil moisture and preventing the loss of water to deep percolation. The technology allows to provide the optimal conditions for development of plants, eliminate the degradation of soil, promotes improvement of the density of the soil, is simple and economical. In the work was researched the dependence between the velocity of the front moisture and reduces the solution density of soil considering the magnitude irrigation intervals. These experimental results demonstrate the principal possibility to improve the density of soil by application of irrigation technologies differentiated indigenous small norms.

Keywords: *watering small norms, soil density, soil degradation, irrigated agriculture.*

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AN INTENSIVE REARING OF CHICKENS-BROILERS IN THE INDUSTRIAL COMPLEX

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In the article presented information about practical work of big industrial complex for chickens-broilers rearing (Novgorod Region, Krestetsk district). Proved the possibility the moving of incubated eggs and embryos at the age of 18 days to industrial shed for incubation to the age of 21 days. Due to this action increased the safety of chickens up to 99 – 100 %. Was used ozonization of eggs on the 18–19 days of incubation. Was calculated the efficiency of using aminoacids together with active components (Complivit, Selmevit, Biomax) separately and with aminoacids (1:1 for a weight) with lazer radiation on the chest. Decreased the duration of rearing broilers on 5 days, increased the safety on 3−4%, conversion of feeds – increased on 7 – 20 %. Were improved economic results of the chickens rearing.

Keywords: *modernization of chickens rearing complex, chickens-broilers, lazer, ozonizer, chickens feeding.*

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PREPARATION OF GRAIN FOR WINTER CROPS IN ARID CONDITIONS

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The way of preparation of seeds of grain crops to autumn sowing in conditions of insufficient humidifying ground by saturation by their water or a water solution of pickling laboratory assistants with their subsequent covering of waterproof film is offered. The set, sequence and duration of operations of this technological process is proved.

***Keywords**: seed grain, crop, moisture, moisture barrier, dried up ground.*

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