

METHOD FOR STIMULATING SPERMATOGENESIS IN BOARS DURING CRITICAL PERIODS OF THE YEAR

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Description: The invention relates to a method for stimulating and regulating spermatogenesis in breeding boars during critical periods of the year. The method involves supplementing the daily diet with a complex microbial preparation containing biologically active extracts derived from yeast biomass recovered from wine and brewing by-products, as well as from Spirulina biomass, administered at 4–8 mL/boar/day for 50 days. The proposed method mitigates the adverse effects of seasonal factors on reproductive function, increasing sperm concentration from 48.8 ± 9.9 to 61.0 ± 11.2 million/mL and the number of semen doses from 18.3 ± 6.1 to 26.3 ± 6.8 per ejaculate. The invention promotes more efficient use of genetically valuable breeding boars, improves quantitative and qualitative semen parameters, and enhances the efficiency of reproductive biotechnologies in swine production.

Class of Inventions: Agriculture and Horticulture