

**Title:** A METHOD OF STIMULATING SPERMATOGENESIS AT RAMS OUT OF SEASON

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**Category:** D

**Description:** The essence of the invention consists in proposing a new method of stimulating spermatogenesis at rams in out of season period, based on supplementation of the basic feed stock with ZooBioR complex biopreparation obtained from the biomass of the cyanobacteria *Spirulina platensis* CNM-CB-02 in an amount of 0.5 or 5 g per 0.5 kg of feed. The technical result of the invention consists in increasing the ejaculate volume by the end of the experiment by 0.3 ml which is 50% relative to the control, the sperm concentration in the ejaculate by 0.3-0.64 billion / ml or 13.8-29.3% versus the control the sperm motility with 7.4-17.9% and the number of sperm with recurrent movements by 15.8-38.5%, compared to the nearest solution, because of the inclusion in the basic ration of rams of ZooBioR complex biopreparations with the following composition per 1 kg of talc: Amino acid and oligopeptide extract - 3.5-5g; Phospholipids - 3.5-5g; Proteoglycans, including sulfated polysaccharides - 3.5-5g; Protein extract - 3.5-5g; Mixoxanthophyll - 0.75-1.25g, possessing antioxidant action, stimulating germ epithelium favoring the quantity and quality of biological material collected from rams in the out of season period.

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**State of development:** The product is used at the Scientific-Practical Institute of Biotechnologies in Animal Husbandry and Veterinary Medicine and PhD thesis