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New biologically active fodder additives: biotechnological aspects of manufacture, efficiency of application in poultry farming

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Abstract

The paper is devoted to the problem of working out and introduction into animal and poultry farming industries of treatment-and-prophylactic fodder products. For their creation by authors are used synbiotic complexes: combination of fodder protein additives and live microorganisms possessing probiotical properties. Fodder protein additives were obtained: 1) by yeasts-saccharomycetes S.cerevisiae (diastaticus) bioconversion of fodder-grain-wastes and 2) by cultivaition of supreme medicinal mushroom Fusarium sambucinum micelle. The developed products differ not only in high nutritional value, but also treatment-and-prophylactic properties. These fodder products are competitive as compared to foreign analogues and can promote development of domestic animal industries. Bioconversion of fodder- grain-wastes into fodder protein and treatment-and-prophylactic protein products can be carried out both at the large specialized biotechnological enterprises and on low power installations.