

APPROVED
Deputy Head of Federal Service
for Veterinary and Phytosanitary Surveillance
(Rosselkhoznadzor)
(signed)

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SEAL:
Ministry of Agriculture of the Russian Federation
Federal Service for Veterinary and Phytosanitary Surveillance

**INSTRUCTION FOR USE
OF BITASIL FODDER ADDITIVE FOR ENSILAGING AND HAYLAGE MAKING OF PLANT
RAW MATERIAL**

(developer organization: "Biotechagro" LLC, Timashevsk, Krasnodar Region)

I. GENERAL

1. Bitasil.

2. Bitasil contains viable strains of lactic acid bacteria producers *Lactococcus lactis subsp.lactis* (B-3123) and *Lactobacillus paracasei* (B-2347) in the amount of at least – 1×10^7 CFU/cm³ (colony forming units) of microorganisms of each species, as well as auxiliary substances –beet molasses, soy hydrolysate, sodium chloride and water.

The content of harmful impurities does not exceed the maximum permissible limits currently effective in the Russian Federation.

It does not contain any genetically modified organisms.

3. Bitasil is a liquid suspension with particulate matter coloured from beige to brown with a sour smell.

4. Bitasil is packaged in sealed containers 2.0; 5.0; 10.0 dm³ made of polymer materials with a screw cap. Each package unit is marked with specifying the following in Russian: name of the manufacturer; its address and trademark; name of the product; intended purpose of the product; the amount of additive per unit of packaging; guaranteed indicators; the list of components (full name of cultures); batch number; the date of manufacturing (day, month, year); shelf life (day, month, year); storage conditions; information on conformity confirmation; instructions for use; inscriptions "For animals"; designations of industry standards for the product; and state registration numbers.

Bitasil shall be stored in the original sealed packaging of the manufacturer in a clean, light-protected room at the temperature from +6°C to + 10°C. Shelf life – 3 months since the manufacturing date. Bitasil shall not be used after the expiration date.

II. BIOLOGICAL PROPERTIES

5. Bacteria *Lactococcus lactis subsp.lactis* and *Lactobacillus paracasei* comprised in the additive have an ability to fast and abundant generating of lactic acid. It contributes to the regulation of fermentation processes in the canned mass, and prevents butyric fermentation. As a result, the amount of lactic and acetic acids increases (which enables achievement of optimal pH values 3.8-4.2), excludes the activity of putrefactive and butyric-acid bacteria, fungi, increases aerobic stability and viability of protein in animal feed.

III. PROCEDURE OF USE

6. Bitasil is intended for ensilaging and haylage making of plant raw material.

7. For ensilaging and haylage making of plant raw materials, the working solution of the additive is used. For preparation of the working solution, 1.0 dm³ of Bitasil is added to 100.0 dm³ of pure drinking water

and mixed thoroughly. The resulting solution is evenly sprayed over the green mass as it is loaded into the storage facility at the rate of 5 dm³ per ton. Spraying is done after a uniform distribution of the green mass along the silo trench in layers not more than 40 cm high.

When the drug is used in the period of fodder silage with specialized ensilage harvesters equipped with a device for silo ferment introduction, Bitasil is introduced in the siloed mass during its cutting and grinding in the field at the rate of 1 dm³ of additive per 20 tons of green mass.

The working solution is prepared for the estimated daily ensilaging volume, and it shall be used during the day.

8. Side effects after feeding with silage or haylage prepared using Bitasil have not been observed.

9. Feeding with silage or haylage prepared using Bitasil can be combined with other feed additives and medicines.

10. Contraindications for Bitasil use have not been found.

11. Livestock products obtained with the use of feed prepared with Bitasil can be consumed without any restrictions.

IV. PERSONAL PREVENTION MEASURES

12. While handling the feed additive Bitasil the general rules of personal hygiene and safety provided when dealing with feed additives shall be followed. Eating, drinking, or smoking are prohibited. After work, wash your hands with soap. In case of contact with the skin and/or mucous, it is recommended to wash them with a plenty of tap water.

13. Bitasil shall be stored out of reach of children.

Instructions for Use have been developed by organization-manufacturer "Biotechagro" LLC (68 Vybornaya Str., Timashevsk, Krasnodar Region 352700)

With approval of these instructions, the Instruction for Use for Bitasil approved by the Deputy Head of Rosselkhoznadzor of May 12, 2008, shall be cancelled.

Recommended for registration in the Russian Federation by All-Russian State Research Institute of Control, Standardization, and Certification of Veterinary Preparations (FGU "VGNI").

State registration number PIBP-2-4.7/02/02101

General Director
of "Biotechagro" LLC

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