

DIRECTIONS FOR USE
Bitasil as a Feed Additive for Vegetal Biomass Silage and Hay Production
(developed by «Biotekhagro» LLC, Timashevsk, Krasnodar Territory)

I. GENERAL INFORMATION

1. Trade name: Bitasil

2. Bitasil contains viable lactic acid bacteria strains *Lactococcus lactis subsp. lactis* (B-3123) and *Lactobacillus paracasei* (B-2347) in the amount of not less than 1×10^7 colony forming units (CFU) of each species of microorganisms, as well as additives: sugar beet molasses, soybean hydrolysate, sodium chloride and water.

The content of harmful impurities does not exceed the maximum allowable concentration according to the norms valid in the Russian Federation.

Bitasil does not contain genetically modified products and organisms.

3. Bitasil is a liquid with suspended solid particles from beige to brown colour, with a slightly sour smell.

4. Packaging: 2.0; 5.0; 10.0 dm³ sterile plastic containers with a screw cap. Each package is marked with: the name of the manufacturer, its address and trademark; product name; application; the amount of the feed additive in the package; guaranteed performance; list of components (full name of bacteria strains); lot number; manufacturing date (day, month, year); expiration date (day, month, year); storage conditions; conformity certificate; instructions for use; the inscription «For Animals»; Company standard for the product; state registration number.

Bitasil is stored in the original container in a dry, clean, dark room at a temperature of 6° to 10°C. Shelf life: 3 months from the manufacture date.

Bitasil shall not be used after the expiry date.

II. BIOLOGICAL PROPERTIES

5. The bacteria *Lactococcus lactis subsp. lactis* and *Lactobacillus paracasei* as components of the feed additive are capable of rapid and abundant formation of lactic acid. This contributes to the regulation of fermentation processes in the cured mass preventing butyric acid fermentation. As a result the amount of lactic and acetic acid multiplies thus allowing to achieve optimum pH 3.8-4.2, activity of butyric acid, putrefactive bacteria and fungi is excluded, feed aerobic stability and protein preservation increase.

III. APPLICATION

6. Bitasil is designed for vegetal biomass silage and hay production.

7. Process solution of the feed additive is used for vegetal biomass silage and hay production. Bitasil 1.0 dm³ is added to 100.0 dm³ of drinking water stirring thoroughly. The solution is uniformly sprayed on green mass at the rate of 5 dm³ per ton as it is put into storage facilities. Spraying is done after the uniform distribution of the vegetal mass in the trench in layers of not more than 40 cm thick.

With a special device for feed additive supply Bitasil can be applied directly to silage during vegetal mass cutting and grinding in the rate of 1 dm³ per 20 tons of green mass.

Process solution is prepared for the expected daily volume of silage and used within the day.

8. No side effects are observed after feeding silage or hay prepared with Bitasil.

9. Feeding silage or hay prepared with Bitasil can be combined with other feed additives and preparations.

10. No contraindications for Bitasil use have been established.

11. No sales restrictions are applicable to livestock products after Bitasil administration to the feed stuffs.

IV. PERSONAL SAFETY MEASURES

12. Good personal hygiene and safety rules shall be observed when dealing with preparations for veterinary use. Drinking, smoking and eating when working with the preparation is forbidden. Wash hands with soap and water after work. In case of skin and / or mucous membranes contamination wash them with plenty of tap water.

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

Directions for Use are developed by «Biotekhagro» LLC (Timashevsk)

Company-manufacturer: «Biotekhagro» LLC
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The approval of this document supersedes «Instruction on Bitasil Use» approved by the Deputy Head of the Rosselkhoznadzor on 12 of May, 2008.

Recommended for registration in the Russian Federation by Federal State Institution «All-Russian State Research Institute of Control, Standardization and Certification of Veterinary Preparations» (VGNKI)

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