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RECOMMENDATIONS

on ensuring veterinary-sanitary norms for producing Extra class milk

1. Comply with the requirements, stated in „Veterinary-sanitary rules for dairy farms of agricultural organizations, personal, subsidiary and farm households for producing milk” approved by resolution of Ministry of Agriculture of the Republic of Belarus on 17.03.2005 No.16, obligatory for implementation on all milk farms of any form of property.

2. Maintenance of animals.

2.1.1. Preparation of premises for staging animals.

2.1.2. Remove manure.

2.1.3. Wash the premises with washing-disinfecting agent, which contains probiotics – „BAC AHC” (Animal Housing Cleaner), specially meant for washing stock-breeding premises. 3-5% solution is used, 1l for 10m² according to instructions and recommendations of producer.

2.1.4. Check the quality of sanitary processing by main sanitary-important indicators – group of Escherichia coli and staphylococcus-streptococcus group.

2.2. Suppression of development of pathogenic micro flora, prophylaxis of infectious diseases.

2.2.1. After stocking animals process premises with 3-30% solution of probiotical agent, which prevents development of pathogens – „BAC AHS” (Animal Housing Stabilizer) estimated 1l for 200m² in correspondence with instruction for use. It is used by spraying (aerosol) in the presence of animals.

2.2.2. Disinfecting mats, boxes with sawdust and other should be systematically moistured by 5% solution of „BAC AHC”.

2.2.3. Control of sanitary state of stock-breeding premises should be carried out accordingly to existing rules and norms.

2.3. Prophylaxis of mastitis diseases, lowering of the amount of somatic cells.

2.3.1. After completing milking process teats with 2-4% solution of agent for caring for cows udder based on probiotics “BAC CTC” by spraying or immersion into “glass” with solution of preparation.

2.4. Prevention of animals feet cleaner

2.4.1. With a view of prophylaxis and treatment of pododermatitis, bursitis, fungic and other diseases, fast adhesion of injuries it is recommended to use probiotal preparation "BAC CFC" (agent for care for cattle feet).

It is used by aerosol (2-4% solution), by spraying on cow feet, or as a 0.05-1% solution for feet baths according to instruction for use.

2.2. Implementation of sanitary requirements presented by milking and transport equipment

2.2.1. *Milking equipment*

2.2.2. Teat caps of milking equipment, as well as udder teat after each milking are sprayed by 2-4% solution of "BAC CTC" or are sunk into container with 5% solution of "BAC AHS".

2.2.3. For washing portable milking equipment, inventory and dishes prepare 2-3% solution of washing agent "BAC AHC" or 0.5-1% solution of preparation "BAC Universal Cleaner" (BUC). Sink in it equipment and inventory for 10-15 minutes, the most dirty places should be wipeds with rags, sponge or brush. Solution can be used repeatedly. Shelf life of working compound is till 5 days. After washing and disinfecting with the mentioned solutions, wash with flowing water.

3.2. If lime deposits are presented in the system, one-time washing of the system with product "Descaler Organic" (DO) is recommended according to the following scheme:

1. Start program of automatic washing of system (with pre-washing with water), adjust temperature 80°C, and at the moment of supplying concentrate, inject into system "DO" in such amount, that concentration of working compound composes 5%.
2. When concentrate fully mixes with water and spreads by all system, stop circulation for 15-20 minutes.
3. Start system again and continue washing program till full completion, according to technology.
4. Further regular washing is done by product "BUC" according to the following scheme:
5. Start program of automatic washing of system (with pre-washing with water) and adjust temperature 45-50°C.
6. First usage: add 1% solution of "BUC" to the system. For all following washings add 0.5% solution of product.
7. When concentrate fully mixes with water, switch off the system for 15-20 minutes.
8. Switch on the system and continue washing program till full completion, according to technology. Washing should be carried out after each milking.
9. Regular application of "BUC" product prevents formation of milk stone.
10. It is recommended to run system's cleaning prophylactically against milk stone with 5% "DO" solution one-two times per month.
11. Simultaneous usage of other chemical and disinfecting agents is prohibited.

3.2.3. It's recommended to use washing agent "BAC AHC" in 2-3% concentration for washing central gallery, pre-milking and after-milking gallery. For milking hall, milk block, containers for storing and cooling milk – 1-2% solution of "BUC". According to the instruction of producer and methodical recommendations.

3.3 Transport equipment.

3.3.1. After carriage of each cistern for transportation of milk they are washed with 0,5-1% solution of "BUC". One a month it's recommended to wash sealing laying of cover, and places connection with taps with agents "Descaler Organic" or "Descaler Super", meant for removing lime deposits, milk stone and rust.

Periodicity of washing, disinfection and methods of control are determined by existing veterinary-sanitary rules.

4. Ensuring of implementation of sanitary norms on milk-processing enterprises.

4.1. *Observe "Instruction for sanitary processing of equipment, inventory and tare in enterprises of milk industry approved by Vice Chairman of technical committee for standardization No. 186 from 10.02.98 and agreed with Republican Hygiene, Epidemiology and Public Health Centre.*

4.2. Recommended washing-disinfecting agents:

1. For washing and disinfecting milk pipelines – "BAC Universal Cleaner" 1-3% solution;
2. For removing milk stone, lime deposits, rust – "Descaler Organic" or "Descaler Super" – 5% solution;
3. For cleaning and degreasing – "Degreaser Extra" – 1-20% solution;
4. For heavily contaminated surfaces "Stripper Extra" – 5-20% solution;
5. For removing blockages in sewages – "BAC Unblocking Agent" – 5-10% solution;
6. For washing floors – "BAC Floorcleaner NFG" – 0.3-1% solution;
7. For removing odours – "BAC Sanitary Cleaner FG" – 2-3% solution;

Preparations have high penetrating ability, powerful and at the same time not aggressive and absolutely safe washing base, combining cultures of probiotics, which guarantees high quality of washing and long-term suppression of pathogenic micro flora.

Their usage ensures observation of veterinary-sanitary norms for getting "Extra" class milk.

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