

IQ ECA
TECHNOLOGIES (PTY) LTD

Applications and Solutions to Dairy Farming

Solution to Dairy Farmers

Dairy farming is a demanding and complex operation and the importance of strict hygiene protocols are crucial to sustaining the livelihood and welfare of the dairy cows as well as the milk they produce. The first major step in developing a holistic environmentally friendly approach in dairy farming is the use of Ano-Lyte and Catho-Lyte solutions which will eliminate the need for toxic and harmful chemicals that are often used.

IQ ECA Technologies delivers state of the art equipment which produces electrochemically activated (ECA) solutions by means of salt, water and electricity. The ECA solutions produced are Ano-Lyte and Catho-Lyte which are 100% biodegradable and non-toxic that can be used to clean and disinfect all areas in dairy farms. The system is unique because there are no undesirable side-effects or harmful end products since everything returns to its natural state and the applications are immense.

Ano-Lyte

This is the world's most effective non-chemical disinfectant available and is used to eliminate all types of germs including bacteria, viruses, fungi, spores and microbial toxins. There are no hazardous compounds in composition and is 100% safe to use virtually anywhere. The active ingredient responsible for Ano-lyte's broad spectrum capabilities is Hypochlorous acid (HOCl) and microorganisms cannot build up resistance to it, making it an ideal agent for all disinfection needs.

Catho-Lyte

Catho-Lyte is the chemical equivalent of a caustic soda. It can frequently replace other alkaline agents, where caustic soda is found to be more effective, efficient and affordable. Catho-Lyte contains properties of a mild detergent (reducing agent) and can be used for flocculation (e.g. removal of heavy metals), coagulation, washing, extraction and de-greasing.

Dairy Farm Management System

- Reduction of clinical mastitis
- Increasing milk production
- Improvement of quality of milk
- Prevention and treatment of enteritis
- Prevention and treatment of Neonatal diarrhea illness
- Effective for teat dips, wounds, foot baths and parlor washing
- Milk line disinfectant and silage preserver
- Water disinfectant and general barn disinfectant

Dairy Applications with Ano-Lyte

1. Mastitis prevention and treatment

Mastitis in dairy cows is caused by udder infections usually resulting from bacteria being introduced either during the milking process or from environmental contact. Ano-Lyte can be used to prevent mastitis by disinfecting the milking equipment, personnel and barn areas including dirty stalls and bedding. Acute and chronic mastitis can be treated by directly injecting 150-200ml Ano-Lyte into the infected quarter of the udder 2 or 3 times a day. Following this course of action for acute mastitis will resolve within 4-6 days and up to 3 weeks in the case of chronic mastitis. Signs of yellow coagulum from the udder is a sign of chronic mastitis due to a bacterial infection and by injecting Ano-Lyte into the area will kill the bacteria responsible for the infection.

2. Pre and post Teat dip

Ano-Lyte can be used both as a pre and post teat dip at 20-100% concentration, preferably mixed with an emollient such glycerin (1 part glycerine: 20 parts Ano-Lyte).

3. Foot Baths

Ano-Lyte can be used at full strength once a week in a foot bath for prevention of foot infections. For foot infections, use Ano-Lyte at least once or twice daily for 7-10 days until infection subsides.

4. Post-Partum

Administer 1 liter of Ano-Lyte directly into the womb for the prevention of metritis.

5. Neonatal Diarrhea Illness

Aliment diet with 500ml Ano-Lyte until ailment resolves. Usually resolves within a few days.

6. Milk Line Disinfectant

Use 25%-50% Ano-Lyte concentration in milk lines after initial hot water wash. Can be used with or without Catho-Lyte as a detergent cleaner.

7. Silage Preserver

Applying full strength Ano-Lyte directly, prevents heating up of silage and improves the nutritional value of the feed. Use 15 – 20L of Ano-Lyte evenly with a sprayer per ton of silage.

8. Skin Infections

Ano-Lyte can be used on any superficial skin infection at full strength. Apply it to the infected area at least two or three times a day for 7 – 10 days.

9. General Barn Disinfectant and Parlor Wash – Ano-Lyte can be used to disinfect all areas of the barn by dry fogging at 25%. It can also be used for Parlor washing at concentrations of 25%-50%.

10. Disinfection of Water and any reasonable application providing disinfecting purposes. Since the product is safe and non-toxic, it can be used in a wide variety of areas.

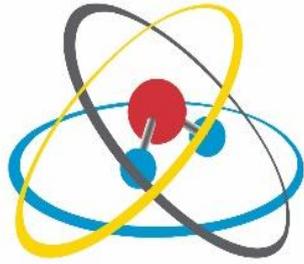
Dairy Applications with Catho-Lyte

1. Milk Line Cleaner

Catho-Lyte can be used to remove protein and fat deposits at full strength found in milk lines. The detergent like action works very effectively and to be followed with Ano-Lyte for disinfection. Washing performance will be improved if there is a possibility is Catho-Lyte is warmed up to ~40°C.

2. General Detergent

Catho-Lyte works well as a general detergent that can be used on all surfaces, towels, clothes and any other need for cleaning as it is safe and non-toxic.



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