Chlorine Free Journey and Progress to date



Milk Quality Ireland

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Dairygold Milk Quality Advisor





Supporting Our Milk Suppliers go Chlorine Free



Introduction



- Dairygold customer base required the removal of chlorine-based products from January 1st 2021.
 - Concern regarding presence of chlorates in milk powder.
 - Affect iodine metabolism in infants.
- Dairygold testing all milk suppliers for TCM and Chlorate.
- **Chlorates** are produced by the degradation of sanitising agents such as Chlorine, Chlorine dioxide or Hypochlorite.
 - Limit 0.00375 mg / kg
- **TCM** is formed when chlorine in the detergent / sterilizer comes in contact with the fat in the milk or other organic matter.
 - Limit 0.00124 mg / kg





How Dairygold Supports Chlorine Free Journey

















Milk Advisory Advisory Team

Solar and Generator







Technology

Supplier Open Days













Communications

Financial Funding Support



Dairygold Co-Operative Society Limited

Dairygold Chlorine Free Journey

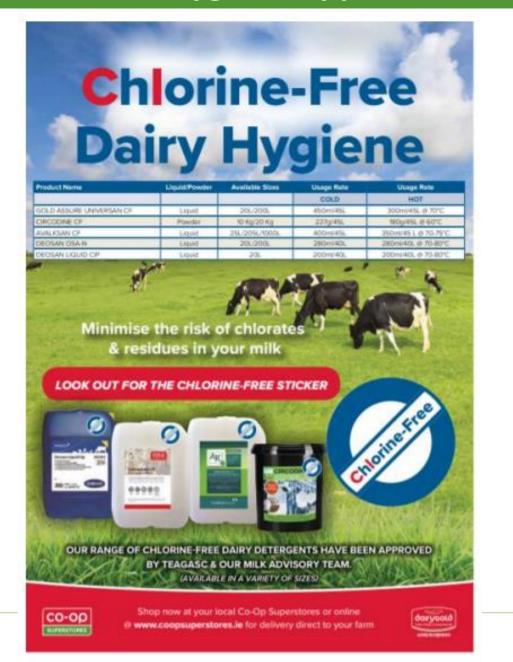






How Dairygold Supports Chlorine Free Journey







How Dairygold Supports Chlorine Free Journey





Getting the basics right first time, every time!

1. Check Milk Liners

With over 4 months milk supply complete on most herds now is the time to do up a milk liner and short pulse tube calculation.

Rule of Thumb: Number of

Rule of Thumb: Number of milking units X Number of milking rows per day / 2000.





2. Purchasing Detergent
Purchase Chlorine Free (CF)
detergents only as you need
them. Avoid stock piling.
Store in dark cool place off the
ground surface.

3. Measure!!

You cannot manage what you don't measure. 25 Litre drum pump or plastic measuring jugs are useful management tools for washing routine.



Leanfarm - Saving time, effort and money



Ideas of the month



Graduated Tube to measure Detergent Use

- Easy to detect that target millimeters are used daily.
- Fix any problem now and not later.
- Further Advice to note:
- Monitor water volume and target temperature of wash.
- Regular machine and tank service.
- ✓ Use Teagasc Approved Chlorine Free (CF) products.





Photo shows 200 Litre barrel with graduated tube measure.

"This lean tool means I can prevent a milk quality problem

becoming an issue."

- Tom Walsh, Kildorrery, Co. Cork.

Leanfarm - Saving time, effort and money

Factors for consideration





Detergent Storage

Technology





Temperature concentration and turbulence

Accurate Measurements







Chlorine Free "We are all in this together"

Thank You