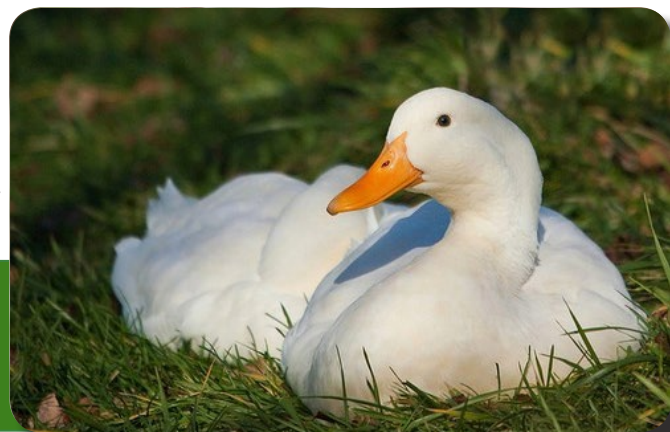


**IMPORTANT NOTE:**  
Concentrations vary depending on the nature of the work, the environment and the products. Please refer to each product's technical bulletin for optimal use, or contact your representative.



# SUMMARY OF PROCEDURES

## Cleaning and Disinfection of Duck Farms

### PREMISES

#### CLEANERS:

**ADHERE CPM**  
(Chlorinated alkaline gel cleaner/moderate foaming)  
or  
**PENBLITZ 228M**  
(Alkaline cleaner / high foaming)

#### DISINFECTANTS:

**GLUQUAT 2**  
(Foaming disinfectant)  
  
**GLUQUAT 300**  
(Non-corrosive disinfectant)

#### FREQUENCY

Between each lot

#### RECOMMENDED USE

- Walls
- Floors
- Ceilings
- Fans
- Feeders
- Nipples
- Outside water lines (feeders and nipples)
- Slats
- Pan feeders
- Breeder nests (breeders)
- Silos

#### DIRECTIONS FOR USE

1. Manually remove a maximum of soil.
2. Rinse surfaces with clean water.
3. Apply the alkaline detergent (**Adhere CPM** or **Penblitz 228M**) with a foam gun at a dilution rate starting at 1%.
4. Allow to dwell. **Adhere CPM**: 5 to 25 minutes, **Penblitz 228M**: 2 to 5 minutes. **Do not allow to dry on the surface.**
5. Stubborn soils can be scrubbed with a push broom, floor pad or brush.
6. Rinse with clean water.
7. Ensure that there is no water accumulation on the surfaces before applying the disinfectant (this could inhibit the action of the disinfectant).
8. Apply the disinfectant (**Gluquat 2** or **Gluquat 300**) with a foam gun, at a dilution rate starting at 0.5%.
9. Dry as quickly as possible.

#### EQUIPMENT

Foamer



Double foamer



### ARTESIAN WELL (Shock treatment)

#### PRODUCT:

**DICHLOROSAN A+B**  
(Chlorine dioxide based sanitizer)



#### FREQUENCY

Twice a year (spring and autumn) or when needed

#### OBJECTIVE

Sanitize the well.

#### RECOMMENDED USE

- Shock treatment for artesian wells.

\* Keep the container closed and ensure adequate ventilation due to the chlorine dioxide gas that can emanate from the solution.

#### DIRECTION FOR USE

1. Prepare a 2000 ppm stock solution prior to dilution and use. A mixture of 1% (10g / liter) of DICHLOROSAN A and 1% (10g /liter) of DICHLOROSAN B will give a 2000 ppm solution of chlorine dioxide.
2. Stir until dissolved completely. Close container and let react for 30 minutes.
3. Add 25mL (1 oz.) of 2000 ppm stock solution for every foot of length (6" diameter well) to give 10 ppm of chlorine dioxide for 10 days.  
(Ex.: For a 200 ft well, add 5 litres of stock solution)  
(Multiply 200 X 25mL = 5000mL = 5 Litres)

#### EQUIPMENT

20 litre, identified pail and test strips for chlorine dioxide



### WATER LINES (Shock treatment)

#### CLEANER:

**PREMISE ACID**  
(Acid cleaner / non-foaming)

#### DISINFECTANT:

**HYPER SAN**  
(Peroxyacetic acid-based liquid sanitizer / non-foaming)

#### FREQUENCY

• **PREMISE ACID**  
Annual Shock treatment between each lot (dilution 1:64)

• **HYPER SAN**  
Preventive treatment between each lot (dilution 1:64)

#### OBJECTIVE

To remove mineral and organic deposits

#### RECOMMENDED USE

- Water lines, animals absent.



#### DIRECTION FOR USE

- Apply the San Hyper procedure following the shock treatment with Premise acid. Make sure the lines are thoroughly flushed between the two procedures.
1. Adjust the proportioner to 1:64.
  2. Insert the proportioner hose in the **Premise Acid** or the **Hyper San** container.
  3. Circulate the product in the lines for 5-8 minutes.
  4. Ensure that all lines, including the water bowls ones, have been filled with solution.
  5. Once all the lines are filled, shut off all water lines, then the proportioner.
  6. Allow to dwell. **Premise Acid**: 8 to 16 hours, **Hyper San**: 1 to 2 hours.
  7. After dwell, rinse all lines with clean water.
  8. Ensure that there is no clogging or blockages in the lines.

#### EQUIPMENT

Proportioner / medicator



### WATER TANKS

#### CLEANER:

**FOAMCHEK**  
(Acid cleaner / non-foaming)

#### DISINFECTANTS:

**GLUQUAT 2**  
(Foaming disinfectant)  
  
**GLUQUAT 300**  
(Non-corrosive disinfectant)

#### FREQUENCY

As often as possible

#### RECOMMENDED USE

- Water tanks



#### DIRECTION FOR USE

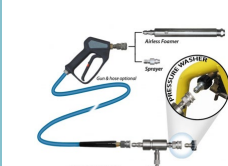
1. Completely drain the tank.
2. Rinse out the interior with clean water.
3. Spray a solution of **Foamchek** on the walls at a dilution of 2%.
4. If required, use a brush on the walls.
5. Allow to dwell for 3 to 5 minutes.
6. Rinse with clean water.
7. Foam the disinfectant solution (**Gluquat 2** or **Gluquat 300**) at a dilution rate starting at 0.5% on all surfaces.
8. Allow to dwell for 15 to 20 minutes.
9. Rinse thoroughly with potable water to remove all traces of disinfectant solution prior to re-filling.

#### EQUIPMENT

Foamer



Double foamer



### WATER TREATMENT (Continuous)

#### PRODUCT:

**DICHLOROSAN A+B**  
(Chlorine dioxide based sanitizer)



#### FREQUENCY

Twice a year (spring and autumn) or when needed

#### OBJECTIVE

Sanitize the water.

#### RECOMMENDED USE

- Water lines, in the presence of animals.

#### DIRECTION FOR USE

1. Prepare a 2000ppm stock solution prior to dilution and use. A mixture of 1% (10g / litre) of DICHLOROSAN A and 1% (10g /litre) of DICHLOROSAN B will give a 2000ppm solution of chlorine dioxide. Mix an equal quantity of DICHLOROSAN A and DICHLOROSAN B in water, mix gently and let react for 30 minutes.
  2. Dilute the stock solution to obtain a solution of 1ppm.
  3. Continue treatment for 10 days or on an annual basis.
- \* Keep the container closed and ensure adequate ventilation due to the chlorine dioxide gas that can emanate from the solution.

#### EQUIPMENT

20 litre, identified pail, Prominant pump, proportioner / medicator



### WATER TREATMENT (Continuous)

#### PRODUCTS:

**WEST ACID R**  
(Blend of three acids: Phosphoric acid, lactic acid and formic acid)

**ACETIC ACID 56%**  
(Liquid acidifier)

**QUADRACID**  
(Blend of one inorganic acid and three organic acids.)

#### FREQUENCY

Continuous

#### OBJECTIVE

To obtain a slightly acidic pH (6.5-7.0)

#### RECOMMENDED USE

- Water acidification  
In the presence of animals for **ACETIC ACID 56%** and **WEST ACID R**



#### DIRECTION FOR USE

1. Prepare a stock solution by mixing in 50 ml of acidifier in 1 litre of potable water.
2. Pump through the system at a rate of 1:100.
3. Check the pH and adjust accordingly.

When diluted as directed, the pH of the drinking water will decrease by 1.5 to 3.0 units, depending on water quality and hardness.

#### EQUIPMENT

Peristaltic pump or Stenner pre-assemble pane

