

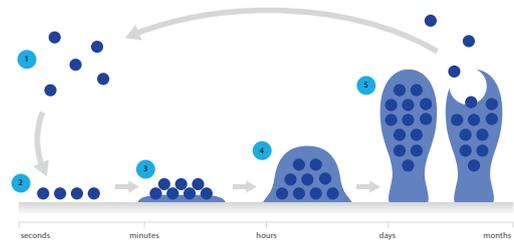
Scotmas Agriculture

Water Sanitation Solutions

**Purified Water for
Unbeatable Performance**

Chlorine Dioxide

- The fastest acting and broadest spectrum biocide available
- Measurable residual values to keep livestock water in peak condition
- Kills Viruses, Bacteria and Fungi with proven activity against spores and oocysts such as Giardia and Cryptosporidium
- Low dose rates ensure no chemical taints or odours



InSite

- State of the art web based performance monitoring tool
- Instant reporting of water consumption across each dosing point
- Detailed measurement of key ClO_2 residual, pH and temperature
- Remote monitoring and adjustment of dosing equipment to respond to changing environmental conditions or biosecurity events



Technical Service & Support

- Nationwide coverage by highly skilled engineers and on site technical support
- Centralised customer service with next day delivery for parts and chemicals
- Professional team of Microbiologists, Chemists, Design Engineers and fully validated water treatment specialists



FloraDox™



- Combined microflora enhancer and sanitation program for unrivalled flock performance
- Far better bird health over stand-alone acidification and sanitation methods
- Reduced slaughter age, faster growth, improved FCR
- Increased farm to plate production of Grade A birds and **100 gram+ benefit per bird**
- Mortality rates up to **10% lower than controls (2.16%)**

Equipment



- Most advanced dosing equipment for easy activation of biocide without manual handling of chemicals
- Designed to meet the demands of modern livestock, horticulture and processing applications
- Versatile applications across many industries and water processes
- Capital cost offset options, allowing you to benefit from the latest technology and service with low up-front costs

Cidox™ Tablets



- The easiest to use Chlorine Dioxide disinfectant for Disinfection on Demand
- Works in challenging conditions against bacteria, fungi and spores
- No up-front investment in dosing equipment or messy mixing of powders or liquids
- Powerful action targets biocide where it is needed most

Inactivation of IBDV (Infectious Bursal Disease) with Chlorine Dioxide



Many commercial poultry production sites worldwide use surface waters (dams, creeks, rivers) as their major source of drinking water. In the majority of cases, the simple addition of chlorine is the only treatment.

Free chlorine levels in the order of 5 ppm would need to be able to be maintained in clean water for at least 1 hour to achieve a >97% reduction in infectivity of IBDV. These levels make the water unpalatable, reducing consumption and weight gain.

Chlorine Dioxide (ClO₂) proved considerably more effective at inactivating IBDV than using simple chlorine treatments. 0.7 ppm of ClO₂ was sufficient to inactivate IBDV below the threshold detection levels.

**Full case study available on request*

Biox 500™ in Drinking Water for Pigs

Drinking poorly sanitised water often results in a reduction of appetite, plummeting health, and reduced weight. Considering that pigs drink 2-3 times more than they eat, it is surprising that many producers often neglect treating drinking water thoroughly.

Average Wt./pig (lbs)		Feed Conversion Ratio	
Chlorine Tablets	49.99	Chlorine Tablets	1.754
Biox 500™ (ClO ₂)	52.04 (4.10%)	Biox 500™ (ClO ₂)	1.700 (2.58%)

Antibiotic use is now heavily restricted, so it is more important than ever to eliminate infectious disease at source – in the water supply. As the test results reported here indicate, all production parameters for profitability were enhanced with the addition of Biox 500™, and the cost of treatment was significantly lower than the increased production yields.

**Full case study available on request*



Scotmas Group are world leading manufacturers of Chlorine Dioxide products and dosing systems. Scotmas were the first Company to produce simple, easy to use Chlorine Dioxide products and equipment. With over 30 years' experience, our friendly and approachable team of chemists, microbiologists, engineers and project managers are able to provide "off the shelf" products or a complete turnkey service.

Choose Scotmas for expertise in Chlorine Dioxide solutions.

Scotmas Group

Purify • Protect • Perform

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Use biocides safely. Always read the label and product information before use.