

tiergesundheitsdienst bayern e.V., Senator-Gerauer-Str. 23, 85586 Poing

Ihr Zeichen/ Ihre Nachricht vom

Unser Zeichen

Durchwahl

Datum

Dr.Ra/pr

(0 89) 90 91-212

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Swine Dysentery, caused by *Brachyspira hyodysenteriae* has been reported worldwide and remains problematic in many major swine-producing countries. It can cause severe, partly bloody diarrhoea in affected animals, increased losses and reduced performance. Treatment needs administration of antimicrobials for several weeks, complicated by resistance of *Brachyspira hyodysenteriae* to many antimicrobials. This represents a potential long-term threat to animals and human beings.

Therefore the administration of antimicrobials alone is not sufficient to control and prevent Swine Dysentery. Key element must be the implementation of hygiene and biosecurity measures involving the use of a potent biocide, being effective in residuals of liquid manure in the slurry pit. An important advantage of Cyanamide is its ability to eradicate fly larvae living in the slurry as well. Flies can act as a vector of *Brachyspira hyodysenteriae* and maintain a reinfection cycle. To control Swine Dysentery it is essential to interrupt those reinfection cycles.

Cyanamide (Alzogur) is the only substance available to eliminate *Brachyspira* as well as fly larvae in the slurry pit. Cyanamide is well known as a potent biocide to control the disease in affected herds as well as a part of eradication programmes. Since today no resistance of *Brachyspires* or flies against Cyanamide has been reported.

To avoid infectious diseases, improvement of external and internal biosecurity and hygiene is needed, based on management measures, improvement of the animal environment and effective cleaning and disinfection.

Control or elimination of *Brachyspires* using hygiene measures, is an important contribution to reduce the administration of antimicrobials in swine production and to preserve their effectiveness to bacteria.

To reach that aim a potent biocide is very important. Thus Cyanamide cannot be missed at present to prevent and control Swine Dysentery.

Dr. Andreas Randt