

Comments provided by: National NGO, Germany

Cyanamide PT 3

General comments

Cyanamid is not only biodegradable but even a natural substance (for example synthesized from vetch).

Alternative Identity and Properties

Cyanamid is the only agent capable of the causative agent against swine dysentery as well as for fight against fly larvae (which are a main carrier of *Brachyspira* and other pathogens)

Technical Feasibility

Cyanamide can be used in contrast to many other disinfectants even at low temperatures without loss of efficacy.

Economic Feasibility

Cyanamid builds up in the soil - shortly after the application of treated manure - as nitrogen fertilizers for plants.

Hazards and Risks of the Alternative

Cyanamid cause no resistance ("multi-site" mechanism of that agent) unlike the medication with antibiotics or the use of standard larvicides. *)

Other Comments

No successful dysentery-recovery would be possible without an effective elimination of dysentery in the manure.

Desinfection and hygiene would be one of the most important step to reduce the medical (antibiotical) treatment of farm animals and to reduce the medicine in total.

References

"Assessment of the Antibiotic Resistance Effects of Biocides" (Scientific Committee on Emerging and Newly Identified Health Risks)