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Pathogens in animal manure: risky?

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Due to the tightening of manure use standards, the transport and processing of animal manure in the Netherlands is becoming increasingly necessary. This leads to a decrease in the environmental impact of minerals in the manure, but what does it mean for safety? In the Q fever epidemic, a link could be seen with the spreading of manure from infected farms. Does this risk still exist and what about other pathogens? An exploratory brainstorm with experts shows that we are not currently faced with major risks. However, several points have emerged that deserve attention in order to limit these risks.

The top 5 of most risky pathogens consists of bacteria bearing resistance determinants to antibiotics, Salmonella and E. coli bacteria and two viruses: Influenza and Hepatitis E.

Keywords: animal manure, pathogens, Q-fever, antibiotics resistance