

QUANTITATIVE ASSESSMENT OF THE PROBABILITY OF BLUETONGUE VIRUS TRANSMISSION BY SEMEN

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In order to prevent the transmission of bluetongue virus (BTV) by semen, in case a semen collection or a storage centre is located within an endemic zone, the European Union established a ban on the movement of semen. However, there is a series of measures which may be applied to allow the exemption of semen from the exit ban. In order to assess the risk reduction achieved by some of

these measures, a simulation model was constructed. In addition, the probability of introduction of BTV by importation of semen from a non-restricted area (exotic serotype) was also assessed.

KEYWORDS: BLUETONGUE – DISEASE TRANSMISSION – RISK ASSESSMENT – SEMEN.

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