



Press Release

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## **EcoProtector<sup>UV-C</sup>: Highly Effective, Environmentally Friendly Disinfection of the Housing Environment of Calves**

### **Urban GmbH presents a novel sanitisation method**

- *Chemical-free, easy and reliable disinfection of floor surfaces and calf hutches*
- *UV-C radiation effectively destroys Cryptosporidium, corona- and rotaviruses*
- *Attachment for the Urban MilkShuttle, flexible use*

**Wüstring, December 2020.** Many calf rearing operations come face disease in their calf barns, primarily diarrhoea or respiratory infections. New types of pathogens such as *Cryptosporidium*, which were largely unknown decades ago, are now found on nearly all German calf farms where they cause serious diseases that are difficult to treat. Hygiene management plays an essential role for their long-term control.

For improved hygiene management in calf husbandry, **Urban GmbH & Co. KG** presents the **EcoProtector<sup>UV-C</sup>**, a novel product for disinfecting barn floors and calf hutches using UV-C radiation.

UV-C irradiation technology has been used successfully for decades in the food industry, in hospitals and in laboratories for disinfection purposes. UV-C radiation acts directly on the genetic material of an organism and interrupts DNA replication and transcription, immediately destroying cells.

The **EcoProtector<sup>UV-C</sup>** is a rear-mount attachment for the Urban MilkShuttle, designed to disinfect the calf housing environment using UV-C radiation. The main element is a UV-C irradiation unit, equipped with four powerful UV-C tubes, which are powered by the on-board electrical system of the MilkShuttle.

When mounted horizontally, the unit can effectively disinfect floor surfaces by passing over them. An independent institute confirmed that even a single pass reduced the microbiological contamination by 99%. The use of the EcoProtector<sup>UV-C</sup> is not limited to the disinfection of floor surfaces. When mounted vertically, the device can also be used to sanitise the inside of calf hutches. The EcoProtector<sup>UV-C</sup> is placed at the opening and the application of UV-C radiation effectively disinfects the interior of the hutch.

For the first time, the EcoProtector<sup>UV-C</sup> provides farmers with a highly effective tool for the sanitisation of the housing environment. This solution is entirely free of chemicals, fast, environmentally friendly and efficient. The EcoProtector<sup>UV-C</sup> allows farmers to improve hygiene management quickly and easily and to break chains of infection, thus preventing disease and enhancing animal welfare on their farms.



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A press kit containing images and further press material information about the product can be found at <https://eurotier.urbanonline.de>.

You may also have a look at our product video at <https://ecoprotector.urban-feeder.com>.

### **About Urban GmbH & Co. KG:**

Urban GmbH & Co. KG was founded in 1984. Just three years later, the company brought the first computer-controlled automatic calf feeder to market. Committed to sustainable livestock rearing, the company is still located in the town of Wüstring in Lower Saxony (Germany) where it develops and produces globally distributed products for calf and lamb rearing and where precise and efficient solutions originate.

### **Media contact**

#### **Dr. Andreas Deininger**

Product Management

Urban GmbH & Co. KG  
Auf der Striepe 9  
D-27798 Wüstring, Germany

Phone: +49 (0) 44 84 93 80 – 65  
E-Mail: [adeininger@urbanonline.de](mailto:adeininger@urbanonline.de)