

冬季暖床对断奶仔猪躺卧行为的影响

Effect of the warm-bed on the lying behaviour of the weaned piglet in winter

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中文摘要:

为了了解新型局部加热设施——暖床在断奶仔猪舍内的使用情况, 本文通过测量挂帘与不挂帘暖床内外的温度和定时观察仔猪在暖床内外的躺卧情况, 以分析暖床挂帘与否对仔猪躺卧行为的影响。试验结果表明, 当舍内温度维持在13.0℃时, 挂帘暖床和未挂帘暖床内部温度分别达到28.6℃和17.9℃; 当舍内温度低于9.9℃, 仔猪日龄小于48日龄时, 超过98.9%仔猪选择挂帘暖床躺卧。随着仔猪日龄的增长, 仔猪在挂帘暖床内躺卧比例由98.9%~83.3%下降到35.6%~54.1%, 在未挂帘暖床内躺卧比例由15.3%上升到41.1%, 表明冬季暖床可为仔猪提供良好的躺卧环境。

英文摘要:

A new type of local heating equipment—the warm-bed was applied in the weaned piglet house. In order to evaluate this equipment, the relationship among the number of the weaned piglets lying in the warm-bed, the piglets' ages and the indoor aerial temperature was discussed. The lying behaviour of the weaned piglets was observed and recorded at 8:00, 14:00, 20:00 and 24:00 everyday during the experiment. The indoor and outdoor air temperatures were measured every 5 min. The results showed that when the average indoor temperature was 13.0℃, the average air temperatures inside the warm-bed with curtain and without curtain were 28.6℃ and 17.9℃ respectively. When the indoor air temperature was lower than 9.9℃ and the weaned piglets were less 48-day-old, more than 98.9% piglets chose the warm-bed with curtain to lie. With the growth of piglets, the proportion of the weaned piglets lying in the warm-bed with curtain decreased from 98.9%~83.3% to 35.6%~54.1%; the proportion of the weaned piglets lying in warm-bed without curtain increased from 15.3% to 41.1%.

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