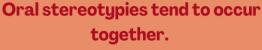
Swine Oral Stereotypies

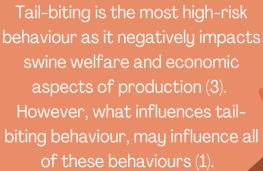
> Tail-biting

Bar-biting

> Ear biting

- > Flank-biting
- > Vacuum chewing





Why do they happen?(3)

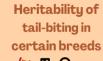
Restrictive housing environment/Lack of environmental enrichment.



Environment places restrictions on pigs' natural behaviours, such as rooting. Therefore, pigs will redirect and channel their behaviour towards other pigs or substrates leading to oral stereotypies(3).

> **Unfavourable** microclimate conditions

Temperature and Ventilation





High-stocking density



Feed Restriction



Repetitive behaviours that serve no function and occupy a large portion of the pigs time.

These behaviours not only reduce the victim's welfare but performance of the behaviour itself is also an indicator of reduced welfare (2).



Incidence of behaviour is typically studied through observational studies.

Ways to mitigate the behaviour

Environmental enrichment materials (3)

- Straw especially when used as bedding
- Green fodder
- · Sisal rope
- Metal chains
- Fresh birch wood

When should these materials be provided? (3)

All stages from young neonatal pigs to fattening pigs. Materials should also be replenished as often as possible

Monitoring behaviours

It is important to be able to reliably identify and remove high-risk individuals to limit injuries and spread of disease.

How?

- Identifying pigs performing tail-in-mouth behaviour (may be a behavioural precursor to tail-biting) (3).
- Precision Livestock Farming (PLF) technology (2).
- · Tail-biting outbreak indicators: high activity levels, high levels of individuals with tails tucked under (5).

Decrease stocking density (3)

- //doi.org/10.3390/ran9080383 ; N. R., Main, D. C. J., Mendil, M., & Edwards, S. A. (2010). Tail-biting: A new perspective. The Veterinary Journal, 186(2), 137– ttps://doi.org/10.1016/j.tpi/12009.08.028 am, P., Green, L., Bichard, M., & Mendl, M. (2009). Predicting tail-biting from behaviour of pigs prior to outbreaks. Applied il Behaviour Science, 121(3–4), 157–164. https://doi.org/10.1016/j.applanim.2009.09.011