

Equipment and machinery



Appropriate tyre tread

Appropriate tyre tread reduces slippage on smooth surfaces and helps to distribute the vehicle's weight more evenly, reducing soil compaction.

Benefits: Improved safety from better grip and traction, and potential fuel efficiency and cost savings.

Barriers: High-quality tyres and gauges can be costly.

Landlord involvement needed: No

Pig welfare: No direct impact.

Benefit areas

-  Water quality
-  Air quality
-  Soil quality
-  Climate

Practical Tips

- Inspect tread regularly.
- Replace tyres when worn.
- Consider reverse-tread tyres for better grip.

Appropriate tyre pressure

Using low pressure tyres reduces soil compaction and improves traction, which reduces the risk of slippage, soil disturbance and subsequent runoff.

Benefits: Improves stability, safety and performance regarding tyre durability and fuel consumption.

Barriers: High-quality tyres and equipment to maintain correct pressure can be costly.

Landlord involvement needed: No

Pig welfare: No direct impact.

Benefit areas

-  Water quality
-  Air quality
-  Soil quality
-  Climate

Practical Tips

- Follow manufacturer guidelines.
- Aim for low pressure in fields without risking tyre damage.

Minimising vehicle use and access

Limiting vehicle movement in high-risk areas (e.g., sloped or flooded/wet paddocks or fields close to watercourses) helps prevent soil compaction and channels, which would otherwise promote nutrient runoff, and nitrous oxide emissions and ammonia volatilisation.

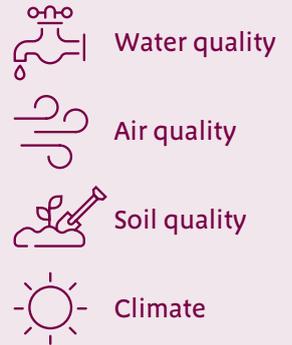
Benefits: Biosecurity may be improved by limiting vehicle access to where livestock are kept.

Barriers: Dependent on the site location and layout may increase manual work.

Landlord involvement needed: No

Pig welfare: No direct impact.

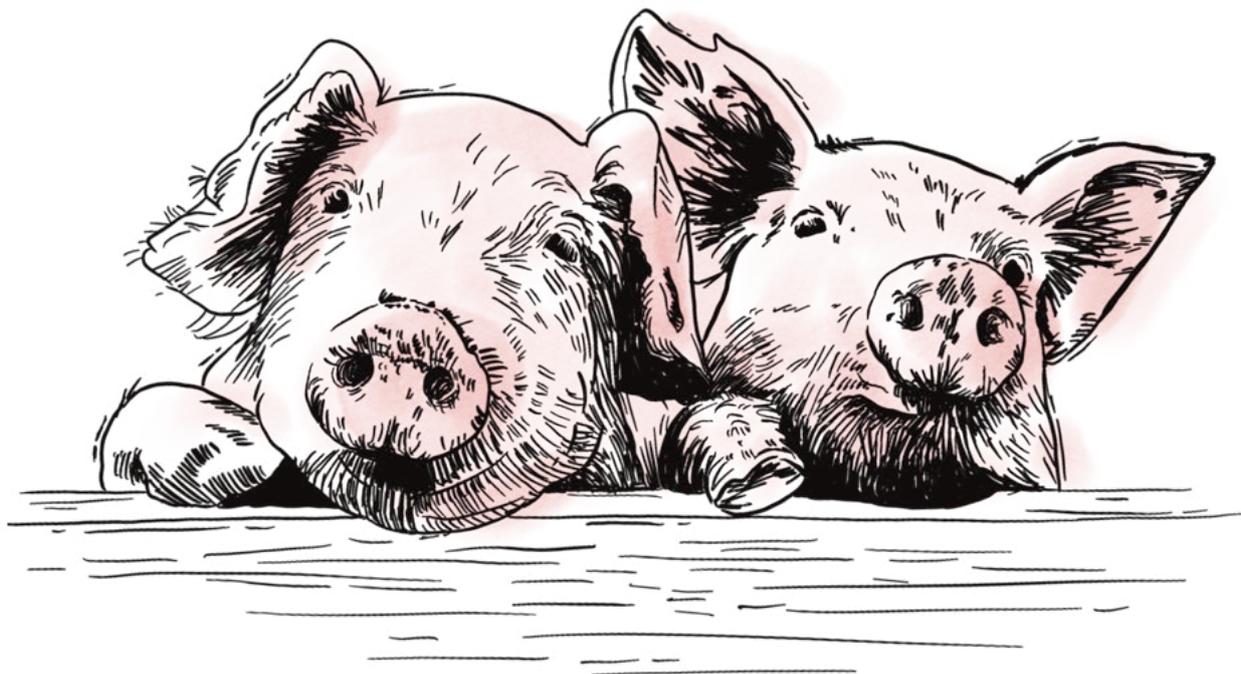
Benefit areas



Practical Tips

- Plan tasks to limit trips.
- Evaluate existing layout to determine how vehicle access can be minimised without disrupting operations.

Use our simple Excel tool and guidance manual to assess the economic impact of introducing some of these options on your outdoor pig unit.



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