

1XXXXX**Manage pig farm biosecurity**

Kaupae Level	4
Whiwhinga Credit	15
Whāinga Purpose	<p>People credited with this skill standard will be able to implement and monitor biosecurity procedures on a pig farm. Learners who are awarded this standard will identify biosecurity risks, apply internal and perimeter hygiene and quarantine procedures, follow farm procedures, and evaluate biosecurity practices to prevent the introduction and spread of endemic diseases. Learners will demonstrate competence in managing routine farm biosecurity activities and responding to risk scenarios under farm conditions.</p> <p>This skill standard has been developed to align with the New Zealand Certificate in Pork Production (Management) with an optional strand in Pig Farm Production Planning (Level 4) [Ref: 4222]</p>

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Implement hygiene, quarantine, and internal access controls	a. Demonstrate correct setup and use of PPE, footbaths, and disinfection stations in accordance with the farm's biosecurity plan.
	b. Describe and apply internal controls, including staff workflows, pig flow, recovery pens and movement restrictions between production areas.
	c. Outline quarantine procedures for newly arrived pigs, incoming feed or additives, and off-farm equipment.
	d. Explain the role of perimeter fencing, including signage and vehicle entry controls in reducing external disease risk.
2. Identify and mitigate biosecurity risks	a. Identify at least three endemic pig diseases relevant to New Zealand and describe their transmission pathways.
	b. Describe relevant national legislation and on farm procedures for feeding pigs ingredients containing or having had contact with meat, and the use of ASD forms.

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	c. Identify scenarios requiring a heightened biosecurity response and describe appropriate actions.
3. Use and review the farm biosecurity plan	a. Identify and justify key components of a comprehensive biosecurity plan, including hygiene zones, traffic flow, and risk-based procedures.
	b. Describe farm procedures for managing and recording visitor, vehicle, and livestock movements.
	c. Evaluate a given farm biosecurity plan against current practice and recommend improvements based on disease risk or regulatory changes.
4. Monitor and report on biosecurity performance	a. Conduct biosecurity inspections using standardised checklists.
	b. Maintain accurate records of inspections, corrective actions, and biosecurity breaches.
	c. Analyse biosecurity performance using animal health data and incident logs and recommend changes to procedures to all staff training.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

All evidence presented in this skill standard must be in accordance veterinary guidelines and farm procedures.

All activities and evidence must meet the requirements of farm procedures, accepted industry practice, legislation and any subsequent amendments.

All activities relevant to this standard should reflect ngā kaupapa (the principles) o te Tiriti o Waitangi.

All activities should, as relevant to candidates and/or this standard, reflect the peoples of other cultures, and their world views.

Range

Assessment must occur in the context of a pig farming environment (real or simulated), reflecting actual biosecurity operations on a farm.

Learners should have access to the farm's biosecurity plan, relevant guidelines (e.g. MPI or NZPork advice), and on-farm resources (cleaning tools, PPE, records).

Evidence may include direct observation of implementing procedures, review of completed records (e.g. logs, checklists), questioning on biosecurity knowledge, and evaluation of a learner's biosecurity plan or report.

Definitions

ASD Animal Status Declaration is a legally required document in New Zealand that accompanies livestock when they are being moved between properties, to slaughter, or to saleyards. It is a key part of biosecurity and food safety systems.

Veterinary guidelines advice received directly from veterinarians, or literature recommended by veterinarians.

Farm procedures refer to the policies and procedures set out in a verbal or written form by the employer or organisation.

Accepted industry practice refers to approved codes of practice and standardised procedures accepted by the wider industries as examples of best practice.

Recommended skills and knowledge

It is recommended that people complete New Zealand Certificate in Pork Production (Stockperson) with an optional strand in Farrowing Care (Level 3) [Ref: 2525]

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

Hygiene, Quarantine and Access Control:

- PPE types and correct use
- Disinfection stations: setup and maintenance
- Quarantine pens, health monitoring of new pigs
- Feed ingredient, additive and equipment sourcing risk
- Internal movement restrictions (e.g. all-in/all-out, pig flow)

Diseases and Risk Management:

- Endemic disease examples: PMWS, Leptospirosis, Erysipelas, Sarcoptic mange, APP
- Transmission types: direct, fomite, vector
- Depopulation/repopulation and disease outbreak procedures
- Regulations: Biosecurity Act 1993, Animal Welfare Code, Biosecurity (Meat and Food Waste for Pigs) Regulations 2005, import restrictions

Biosecurity Plan Components:

- Red/green or clean/dirty lines, biosecure zones
- All in all out (AIAO), compartmentalisation, pest control, quarantine
- Bait station maps, cleaning and disinfection farm procedures
- Maps of traffic/staff/pig movement (e.g. pig flow, cleaning schedules, visitor management)
- Visitor logbooks, vehicle washing procedures

Monitoring and Improvement:

- Digital vs manual logbooks
- Data trends in biosecurity breaches
- Updating plans and retraining staff
- Feedback loops and non-conformance escalation

Rauemi | Resources

Legislation relevant to this skill standard includes but is not limited to:

- NZ Pork Guidelines are available on request from NZ Pork. www.nzpork.co.nz.
 - NZPork Guidelines for developing Biosecurity farm plans
 - NZPork Transport Biosecurity Guidelines
- Agricultural Compounds and Veterinary Medicines Act 1997 [Agricultural Compounds and Veterinary Medicines Act 1997 No 87 \(as at 30 November 2022\)](#), [Public Act Contents – New Zealand Legislation](#)
- MPI Code of Welfare: Pigs 2018 [Code of Welfare – Pigs](#)
- Biosecurity Act 1993 [Biosecurity Act 1993 No 95 \(as at 05 April 2025\)](#), [Public Act Contents – New Zealand Legislation](#)
- Health and Safety at Work Act 2015 [Health and Safety at Work Act 2015 No 70 \(as at 05 April 2025\)](#), [Public Act Contents – New Zealand Legislation](#)
- Biosecurity (Meat and Food Waste for Pigs) Regulations 2005
- Animal Status Declaration forms for pigs

and any subsequent amendments or replacements.

Commented [AT1]: Consider adding - Guidelines for developing an on bio security plan, and guidelines for for transport bio security.

Commented [AT2R1]: NZ Pork guidelines are available from request at NZ Pork

Pārongo Whakaū Kounga | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Muka Tangata – People Food and Fibre Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Pork Production > Pig Husbandry
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0052

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	<type here>	[dd mm yyyy]	[dd mm yyyy]
Arotakenga Review	<type here>	[dd mm yyyy]	[dd mm yyyy]
Kōrero whakakapinga Replacement information	This skill standard will replace Unit standard		
Rā arotake Planned review date	31 December 2030		

Please contact Muka Tangata – People Food and Fibre Workforce Development Council at qualifications@mukatangata.nz to suggest changes to the content of this skill standard.