

41298**Apply on-farm biosecurity practices to minimise biosecurity risks**

Kaupae Level	3
Whiwhinga Credit	5
Whāinga Purpose	This skill standard is intended for people working, or intending to work, in pastoral or arable farming systems. They will be able to identify on-farm biosecurity pathways and risks, and apply biosecurity practices to minimise biosecurity risks under limited supervision. This skill standard is aligned to the New Zealand Certificate in Farm Skills (Level 3) [Ref: 5678].

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Apply on-farm biosecurity practices to minimise biosecurity risks.	a. Identify on-farm biosecurity pathways.
	b. Identify on-farm biosecurity risks and consequences.
	c. Apply on-farm biosecurity practices, with guidance, to minimise biosecurity risks.
	d. Identify reliable sources for information on biosecurity practices appropriate to the farming system.

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

All activities must be carried out in accordance with workplace health and safety requirements, workplace procedures, and, wherever relevant, the Code of Welfare appropriate to the livestock species and context for which the learner is being assessed.

Providers must give due consideration to embedding ngā kaupapa (principles) o Te Tiriti o Waitangi when designing delivery activities relevant to this standard. These principles are outlined in [Guidelines for Providers: Embedding Tirohanga Māori](#).

Providers must give due consideration to the needs and values of Pacific peoples and other cultural groups when designing delivery activities relevant to this standard, ensuring practices are inclusive and equitable.

Ākonga/Learners should be assessed against this standard in a real-life context using naturally occurring evidence. A verifier's checklist with appropriate comments confirming competency is acceptable if accompanied by evidence that includes examples from the learner's performance.

Ākonga/learners are not limited to biosecurity practices that occur on or within their own farm environment

Evidence requirements

Ākonga/Learners must identify at least **three** biosecurity pathways relevant to their working environment.

Definition

Pest refers to any plant, animal, or organism that can cause harm to agriculture, livestock, people, or the environment.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

Biosecurity risks

- biosecurity incursions: diseases (e.g. bovine viral diarrhoea (BVD), tuberculosis (TB), Johne's, Mycoplasma bovis (M. bovis), salmonella, leptospirosis), parasites, weed species.
- biosecurity pathways, e.g. new animals, existing stock, feeds and seeds, animal waste/carcasses, pests, vehicles, access boundaries, people, agribusiness equipment, environmental pathways.
- transfer vectors, e.g. zoonotic diseases, interspecies transmission, communicable disease.
- production loss.
- notifiable incursions – local council, regional council, and Ministry for Primary Industries (MPI) requirements:
 - human diseases e.g. salmonella, campylobacter, cryptosporidiosis, leptospirosis.
 - livestock diseases e.g. tuberculosis (TB), Mycoplasma bovis, foot and mouth disease, scrapie.
 - animal pests e.g. hornets, wallabies, snakes, brown marmorated stink bug, fruit fly.
 - weeds e.g. Chilean needle grass, velvet leaf, Madagascar ragwort.

Biosecurity practices

- hygiene practices e.g. personal hygiene, stock handling facilities, plant hygiene (e.g. vehicle and equipment cleanliness), feeding and rearing.
- quarantine measures e.g. stock management (e.g. quarantine drenching, new-stock isolation, fencing), domestic or sport animals, supplementary feed awareness.
- animal movements e.g. NAIT, eASD, ASD.
- pest control e.g. trapping, poisoning, exclusion, shooting, spraying.
- casualty stock management e.g. disposal, offal pit management.
- health processes e.g. livestock health plan, drenching, vaccination, dog worming and feeding, pasture withholding, product withholding, sharps management, feeding and rearing, ruminant protein.
- health records e.g. paddock recording, product use (e.g. name, dose rate, batch number, expiry).
- internal reporting and escalation processes.

Biosecurity information

- Sources of biosecurity information, e.g.
 - industry organisations, e.g. DairyNZ, Beef + Lamb New Zealand, Horticulture New Zealand.
 - government agencies, e.g. Ministry for Primary Industries (MPI), regional councils.
 - veterinary and agribusiness advisers.
 - catchment groups, environmental groups, and community-based biosecurity or pest control programmes.
 - workplace procedures, inductions, and training resources.

Rauemi | Resources

- [Health and Safety at Work Act \(2015\)](#).
- [Animal Welfare Act \(1999\)](#).
- [Code of Welfare - Dairy Cattle](#) (Ministry for Primary Industries).
- [Code of Welfare - Deer](#) (Ministry for Primary Industries).
- [Code of Welfare - Goats](#) (Ministry for Primary Industries).
- [Code of Welfare - Sheep and Beef Cattle](#) (Ministry for Primary Industries).
- [Groundrules: regional council legislation database](#) (Ministry for Primary Industries).
- [National Animal Identification and Tracing \(NAIT\) programme](#) (Ministry for Primary Industries).
- [Animal status declarations](#) (Ministry for Primary Industries).
- [Biosecurity requirements](#) (MPI) (Ministry for Primary Industries).
- [Biosecurity programmes](#) (OSPRI).
- [Dairy farming biosecurity](#) (DairyNZ).
- [Beef and lamb biosecurity](#) (Beef + Lamb NZ).
- [Deer farming biosecurity](#) (Deer Industry NZ).
- [Arable farming biosecurity](#) (F.A.R. NZ).
- [Pest Plants, Biosecurity, and Predator Management](#) (NZ Landcare Trust).
- Local veterinarian support.

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Food and Fibre Industry Skills Board
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Agriculture, Forestry and Fisheries > Agriculture > Farming Skills
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	1	27 August 2026	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 28978.		
Rā arotake Planned review date	31 December 2031		

Please contact the Food and Fibre Industry Skills Board at info@foodandfibreisb.nz to suggest changes to the content of this skill standard.