

41299 Manage and review on-farm biosecurity practices

Kaupae Level	4
Whiwhinga Credit	5
Whāinga Purpose	This skill standard is intended for learners working in pastoral or arable farming systems including livestock farms, dairy farms, or arable farms. They will be able to manage and review on-farm biosecurity practices. This skill standard is aligned to the New Zealand Certificate in Agriculture (Level 4) [Ref: 5677].

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Manage and review on-farm biosecurity practices.	a. Describe biosecurity management practices.
	b. Explain impact of poor biosecurity practices on farm performance.
	c. Maintain records related to biosecurity.
	d. Review current on-farm biosecurity practices and recommend improvements based on findings.
	e. Prioritise opportunities to improve on-farm biosecurity practices based on review findings and workplace risk.
	f. Describe and apply escalation procedures for biosecurity incursions in a workplace context.

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 must provide evidence of managing and reviewing on-farm biosecurity practices through workplace records, review documentation, or verified supervisor attestations demonstrating monitoring, evaluation, and recommendation of improvements, or contribution to implementation where appropriate.

Ākonga/learners may provide evidence of applying escalation procedures for potential biosecurity incursions through either real workplace examples or realistic workplace-based scenarios. Evidence must reflect the learner's workplace context and demonstrate decision-making and application of escalation procedures in accordance with workplace requirements.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

Biosecurity management

- biosecurity management practices, e.g. on-farm biosecurity induction, quarantine (e.g. stock management, product selection and vet consultation, exclusion zones), clean zones (e.g. people, plant and equipment, sheds, land management area).
- monitoring and review of biosecurity practices, including consistency of implementation and effectiveness of controls.
- impact of biosecurity incursions on farm performance, e.g. loss of weight gain, fertility, death rate, crop yields, market access, remedial costs, ill health of livestock and humans, farmer and staff wellbeing, farm management restrictions.
- records relating to biosecurity, e.g. animal movement (NAIT, eASD, ASD), source of bought-in feeds and seeds, visitors, contractors, animal health management (e.g. existing stock, new stock, selling stock), paddock treatment records.
- interpretation and use of biosecurity records to identify trends, risks, or areas for improvement.
- identification and escalation of potential biosecurity incursions.
- escalation practices, e.g. biosecurity incursions, notifiable diseases.

Opportunities to improve on-farm biosecurity

- improvement opportunities, e.g. swap vehicles, clean zones, inductions, signage, engagement and training, records, people, quarantine measures, closed-system farms (e.g. animals, feed), exclusion zones, machinery cleaning, new technologies.
- reviewing findings and prioritising improvements based on level of risk, farm systems, workplace procedures, and practicality.

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	N/A		
Rā arotake Planned review date	31 December 2031		

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