

Modification history

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 5.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

AHC BIO403	Plan and implement a biosecurity program
Application	<p>This unit of competency describes the skills and knowledge required to conduct a biosecurity risk assessment and plan and implement a biosecurity program.</p> <p>The unit applies to individuals who apply specialist skills to provide solutions to technical and unpredictable problems. They work autonomously, instruct and monitor the work of others within a team. They use discretion and judgment in the selection, allocation and use of available resources.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Biosecurity (BIO)

Commented [RB1]: Have consolidated this unit by removing unnecessary repetition. Please check that the unit has not been drastically diminished

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Identify and interpret information for developing a biosecurity plan	1.1 Establish the goals of a biosecurity plan 1.2 Identify, collate and interpret biosecurity advice, standards and protocols relevant to workplace 1.3 Identify known biosecurity threats for workplace 1.4 Identify current potential incursion points for site
2. Identify biosecurity hazards, assess risk and identify controls to mitigate risk	2.1 Investigate workplace activity and practices for potential biosecurity hazards and assess the risks 2.2 Identify and assess control measures to mitigate risk for resources entering and leaving the workplace 2.3 Identify and assess documentary procedures to monitor and secure transactional activity 2.4 Identify and assess procedures to manage human activity and movement for work site 2.5 Identify and assess control measures for vehicle and equipment access, use and treatments to reduce biosecurity threat on work site
3. Develop control measures for possible incursions	3.1 Identify type and potential for pest and disease infections/infestation and assess risk 3.2 Identify and assess control measures for pest and disease infections/infestation for workplace
4. Document biosecurity plan	4.1 Collate controls for identified biosecurity hazards and risks 4.2 Consider cost of implementing identified controls and determine financial limits with management 4.3 Combine control measures into a biosecurity plan according to workplace procedures and industry best practice

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
5. Prepare for training and keeping records	5.1 Develop a communication program for informing work team and visitors of biosecurity procedures 5.2 Identify and document training requirements for worktime and visitors for biosecurity controls 5.3 Develop record keeping procedures for monitoring program according to workplace procedures
6. Implement, monitor and review biosecurity plan	6.1 Induct and train work team and visitors according to biosecurity program 6.2 Monitor work team and visitor adherence to biosecurity procedures 6.3 Monitor effectiveness of biosecurity program against the planned goals 6.4 Review industry developments, standards and protocols in biosecurity management 6.5 Revise risk assessment and control measures and update biosecurity plan and program 6.6 Review and update staff training and induction records for staff and visitors

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Foundation Skills	
<i>This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.</i>	
Skill	Description
Learning	<ul style="list-style-type: none"> Plan to review biosecurity resources produced by industry to update personal skills and knowledge for revising and redesigning biosecurity plan and program
Reading	<ul style="list-style-type: none"> Interpret and critically analyse biosecurity advice, standards, and protocols for including content in plans and programs
Writing	<ul style="list-style-type: none"> Communicate complex relationships between biosecurity principles into plans and programs using a style of writing applicable to work team and visitors
Oral communication	<ul style="list-style-type: none"> Demonstrate a flexibility in spoken text by choosing appropriate structures and strategies when communicating with work team and visitors

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
AHCBIO403 Plan and implement a biosecurity program Release 2	AHCBIO403 Plan and implement a biosecurity program Release 1	Minor change to Title and Application. Consolidated Performance Criteria by removing duplication over 4 Elements for clarity and brevity Updated Performance Evidence, Knowledge Evidence and Assessment Conditions	Equivalent Unit

Links
Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72

TITLE	Assessment requirements for AHC BIO403 Plan and implement a biosecurity program
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has planned and implemented at least one biosecurity program for any one of the following work environments:</p> <ul style="list-style-type: none"> • agricultural production • horticultural production • amenity horticulture • conservation and land management <p>There must also be evidence that the individual has:</p> <ul style="list-style-type: none"> • determined the goals of the biosecurity plan and identified the biosecurity threats and possible incursion points for the site • used current biosecurity advice, standards and protocols to formulate and review plan • identified biosecurity hazards, assessed the risks and identified controls for the specific work site, including: <ul style="list-style-type: none"> • inputs to the workplace • output from the workplace • movement of personnel and visitors • movement and hygiene of machinery and equipment • worksite practices • pest and disease control • prepared a communications program to train work team and visitors • identified and assessed documentation required for managing biosecurity • developed a plan for implementing biosecurity • monitored work team and visitor compliance • reviewed industry developments and revised biosecurity plan • reviewed and updated training and induction records. 	

Knowledge Evidence	
<p>An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:</p> <ul style="list-style-type: none"> • national industry standards and guidelines relevant to farm or enterprise biosecurity • Nationally Agreed Standard Operating Procedures (NASOP) relevant to biosecurity planning • documentation and traceability procedures, including: <ul style="list-style-type: none"> • quality and disease free assurance status of animals, animal feed • compliance with national, state and territory standards and regulations • industry health assurance programs • movement of product on and off a property • chemical usage and storage in accordance with industry best practice • disease and weed free status of organic fertilisers and compliance with Industry Purchasing Code of Practice or equivalent quality controls • purchased animal bedding material being fit for purpose • biosecurity threats to production and land management environments • workplace inputs, including: <ul style="list-style-type: none"> • new plants or animals • quality of water resource • production material • use of organic and inorganic fertiliser • workplace outputs, including: <ul style="list-style-type: none"> • harvest bins and packaging operations • transport and movement of product and materials 	

Knowledge Evidence

- intensive animal husbandry
- plant propagation and production
- movement of workers and visitors, including:
 - training and communication
 - signage
 - visitor access, sign in and out
 - controlled access points and production areas
 - visitors, their vehicles, and risk profile
 - general hygiene
 - biosecurity entry and exist procedures such as shower in and shower out
- vehicles and equipment, including:
 - dedicated equipment use and storage
 - vehicle entry points, roads and tracks
 - vehicle movement and parking
 - vehicle and equipment hygiene and run off from wash areas
- worksite and production practices, including:
 - plant or animal by-products and waste
 - product and feed storage
 - water quality and access
 - animal or plant disease control and resistance to treatments
 - monitoring production, biosecurity surveillance and frequency
 - fencing and boundary security
- control of pest animals and plant pests, including:
 - vertebrate pests
 - hygiene practices
 - pest and volunteer plants
 - treatments and control measures
 - agisted or other visiting animals
- property and land destruction
- principles of risk management applied to biosecurity
- possible incursion points to sites, including:
 - imported materials used on site
 - animal incursions
 - wind
 - human activity
 - machinery and equipment
 - transport vehicles and equipment including, pallets, cases and cages
- planning processes for costing, allocating resources and establishing timelines
- importance of records and record keeping for biosecurity procedures and processes.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a work environment specified in the performance Evidence or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - use of specific tools and equipment for training work team and inducting visitors
- specifications:
 - use of workplace policies, procedures and process information for the specific workplace environment
 - access to relevant legislation, codes of practice for biosecurity
- relationships:
 - visitors
 - work team.

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Assessment Conditions

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.
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