



Australian Government

SFIAQU310 Apply control measures for predators and pests

Release: 1

SFIAQU310 Apply control measures for predators and pests

Modification History

Release	Comments
Release 1	This version released with SFI Seafood Industry Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to diagnose, investigate and select appropriate control measures for predators and pests affecting cultured or held aquatic stock. It includes the ability to treat and monitor affected stock.

The unit applies to individuals who are responsible for the control of predators and pests in an aquaculture workplace, working under broad direction.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety, biosecurity and environmental regulations, legislation and standards that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Aquaculture (AQU)

Elements and Performance Criteria

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. Investigate and identify predator and pest infestations or problems	1.1 Participate in workplace routine stock monitoring program 1.2 Observe and report evidence of predators or pest infestations 1.3 Identify common predator or pest affecting stock 1.4 Identify and report severity of problem to supervisor

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Apply control methods for the treatment of predators and pests	2.1 Prepare for control measures or treatment according to workplace procedures and legislative requirements 2.2 Identify and assess risks and select and use appropriate personal protective equipment 2.3 Apply control measures or treatments following workplace procedures 2.4 Comply with withholding periods of chemical treatments 2.5 Monitor severity and maintain records according to workplace procedures 2.6 Notify supervisor promptly about changes in severity of outbreak
3. Monitor post-predator and pest control activities	3.1 Check cleaning and sterilisation of work area and equipment is completed according to workplace procedures 3.2 Ensure appropriate disposal of dead, damaged or moribund stock 3.3 Check condition, maintenance requirements and storage of tools and equipment 3.4 Record relevant data and observations, and report any abnormal records to supervisor

Foundation Skills

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.

Skill	Description
Reading	- Interprets workplace procedures for hazard identification and risk assessment and control relating to predators or pests - Interprets chemical labels and safety signs
Writing	Completes workplace records and reports legibly using accurate technical terminology
Numeracy	- Estimates and quantifies infestation severity - Calculates or estimates weights and volumes
Oral communication	Participates in verbal exchanges to convey and clarify predator and pest control activity using language appropriate for audience

Skill	Description
Get the work done	Uses key functions and features of workplace systems to record data and observations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFIAQU310 Apply control measures for predators and pests	SFIAQUA316A Oversee the control of predators and pests	Updated to meet Standards for Training Packages Revised unit title and minor changes to elements and performance criteria to better reflect outcomes	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273>

Assessment Requirements for SFIAQU310 Apply control measures for predators and pests

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has, on at least one occasion, applied control measures or treatments in response to an attack of a predator or infestation of a pest affecting aquatic stock, including:

- identifying and reporting to supervisor about presence of a predator or pest
- identifying risk factors and selecting and using the most appropriate personal protective equipment
- selecting and applying the appropriate control method or treatment to minimise loss or harm to stock
- applying the appropriate disposal methods for dead, damaged or moribund stock
- maintaining accurate records of predator or pest observations and treatments
- maintaining a hygienic work area and equipment after predator or pest control.

Knowledge Evidence

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:

- hazard identification and risk assessment for the control of predators and pests
- features of normal and abnormal stock behaviour relevant to predator and pests
- characteristics, signs and symptoms of predators and pest infestations of cultured or held stock
- common types and environmental causes of predators and pests
- lifecycles or behaviour of common predators and pests
- methods for prevention, control and treatment of outbreaks of predators and pests
- legislative, regulatory and biosecurity requirements associated with controlling predators and pests
- health and safety requirements associated with controlling predators and pests.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an aquaculture workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - personal protective equipment
 - culture or holding structures and stock
 - equipment for controlling or preventing predators and pests from harming stock
 - treatments or products used in the control of predators and pests
- specifications:
 - workplace procedures for the control of predators and pests
- relationships:
 - evidence of interactions with supervisor.

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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