Modification history

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

| SFIAQU316 | Apply control measures for predators and pests |
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| 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 occupational licensing, legislative or certification requirements apply to the unit at the time of publication. |
| Prerequisite Unit | Nil  |
| Unit Sector | Aquaculture (AQU) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Investigate and identify predator and pest infestations or problems | 1.1 Implement workplace routine stock monitoring program1.2 Observe and record evidence of predators and pest infestations1.3 Identify common predator or pest affecting stock1.4 Investigate and report severity of problem to supervisor  |
| 2. Apply control methods for the treatment of predators and pests | 2.1 Prepare for control measure according to workplace procedure2.2 Identity and assess risks and select and use appropriate personal protective equipment2.3 Apply control measures or treatments following workplace procedures2.4 Comply with withholding periods of chemical treatments2.5 Monitor outbreak and maintain records according to workplace procedures2.6 Notify supervisor promptly about changes in severity of outbreak |
| 3. Monitor post-predator and pest control activities | 5.1 Check cleaning and sterilisation of work area and equipment is completed according to workplace procedures5.2 Ensure appropriate disposal of infected stock and treated water5.3 Check condition, maintenance requirements and storage of tools and equipment 5.4 Record relevant data and observations and report any abnormal records to supervisor |

| Foundation SkillsThis 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. |
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| Skill | Description |
| Reading | * Interpret workplace procedures for hazard identification and risk assessment and control relating to predators and pests
* Interpret chemical labels and safety signs
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| Writing  | * Complete workplace records and reports legibly using accurate technical terminology
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| Numeracy | * Calculate to measure dose for chemicals
* Estimate and quantify infestation severity
* Calculate or estimate weights and volumes
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| Oral communication | * Participate in verbal exchanges to convey and clarify predator and pest control activity using language appropriate for audience
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| Get the work done | * Use key functions and features workplace systems to record data and observations
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| Unit Mapping Information |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| SFIAQU316 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 |

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

| TITLE | Assessment requirements for SFIAQU316 Apply control measures for predators and pests |
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| Performance Evidence |
| An individual demonstrating competency must satisfy all the elements and performance criteria of this unit. There must be evidence that the individual has applied control measures for predators and pests affecting aquatic stock on at least one occasion including:* communicating and reporting to supervisor about infestations and treatments
* investigating and identifying predator threats and pest infestations
* selecting control methods for predators and pests in line with workplace procedures
* responding to attack by predators and outbreaks of pests to minimise loss or harm to stock
* recording predator and pest observations and treatments
* finalising cleaning and sterilisation activities relating to predator and pest control.
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| Knowledge Evidence |
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| 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
* life cycles and behaviour of common predators and pests
* methods for prevention, control and treatment of outbreaks of predators and pests:
* cleaning and sterilising equipment
* quarantining equipment and stock
* chemical and non-chemical control measures
* withholding periods of various common treatment programs
* legislative, regulatory and biosecurity requirements associated with controlling predators and pests
* health and safety requirements associated with controlling predators and pests.
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| Assessment Conditions |
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| Assessment of this unit of competency 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
* 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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