

# LANAqu28 SQA Unit Code HC15 04

## Plan and manage fish feeding regimes



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### Overview

This standard is about the planning and managing of feeding regimes to support the production of farmed fish.

It requires that work is completed in accordance with site standard operating procedures.

This standard is for those who plan and manage the feeding of fish.

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### Performance criteria

*You must be able to:*

- P1 implement procedures to ensure a healthy, safe and secure working environment
- P2 determine production requirements
- P3 plan fish-feeding regimes to achieve specified production requirements
- P4 develop feeding procedures to support the effective provision of feed, making best use of feeder technology
- P5 ensure feeding procedures minimise waste and environmental impact
- P6 select and obtain supplies of food to support both **routine** and **specialist feeding regimes**
- P7 plan and organise the effective storage and control of feed in support of feeding activities
- P8 develop test-weigh programmes to monitor food conversion ratios and growth rates
- P9 manage the implementation of fish feeding regimes to achieve specified production requirements
- P10 analyse data to determine the success of feeding regimes
- P11 investigate variations in fish performance
- P12 adjust feeding regimes to take account of variations in production performance, in relation to production requirements
- P13 evaluate the effectiveness of feeding regimes
- P14 manage records of feeding activities in accordance with legal requirements and site procedures

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### Knowledge and understanding

*You need to know and understand:*

- K1 relevant legal and organisational requirements for health, safety and security associated with feeding fish
- K2 how variations in **environmental conditions** can affect production performance
- K3 how feeding activities are controlled by environmental legislation
- K4 the methods used to predict food conversion ratios and growth rates
- K5 specialist feeding regimes and their appropriate applications in the maintenance of fish health and development
- K6 the environmental impact of inappropriate feeding regimes
- K7 how to determine the performance of fish at different developmental stages
- K8 the nutritional properties of various feeds and their appropriate applications to meet production requirements
- K9 the storage requirements of fish feed, including stock control and rotation
- K10 the importance of hygiene in the feeding process
- K11 how to calculate production performance
- K12 how to match feeding regimes to changes in environmental conditions
- K13 why it is important to investigate variations in feeding behaviour
- K14 the methods used to determine the success of feeding activities
- K15 feeder technology, including the use of feeding systems
- K16 the methods that are used to monitor food usage and waste
- K17 the financial implications of food waste
- K18 relevant legal and site procedures for the disposal of waste
- K19 how to evaluate the effectiveness of feeding regimes
- K20 legal requirements and site procedures for the management of feeding records

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### Glossary

**environmental conditions** – weather conditions, changes in water quality

**routine feeding regimes** – normal feeding activities

**specialist feeding regimes** – feeding in support of specific requirements e.g. fasting, in-feed treatments, providing pigment, smolt diets, immuno stimulants

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