

# LANAqu21 SQA Unit Code HC0V 04

## Control feeding regimes for fish



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### Overview

This standard is about controlling feeding regimes, both routine and specialist, to support the production of fish on a fin fish farm.

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

This standard is for those who are involved in the control of feeding regimes for fish.

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### Performance

#### criteria

*You must be able to:*

- P1 ensure all work is carried out safely in accordance with relevant legal requirements and site procedures
- P2 control **feeding regimes** for fish to take account of environmental variations
- P3 check that feeding regimes are followed by the accurate implementation of feeding procedures
- P4 use data to calculate production performance
- P5 implement adjustments to feeding regimes to take account of fluctuations in production performance and variations in environmental conditions
- P6 investigate changes in feeding behaviour to determine their cause and the corrective action required
- P7 monitor the effective operation of feeders, feeding systems and monitoring equipment
- P8 maintain the effective storage of feed
- P9 ensure effective hygiene is maintained
- P10 analyse feedback from monitoring equipment and from those involved in feeding
- P11 investigate and remove causes of waste from feeding regimes
- P12 maintain records of all feeding activities and feed storage to meet legal requirements in accordance with site procedures

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### Knowledge and understanding

*You need to know and understand:*

- K1 relevant legal requirements and site procedures for health, safety and security associated with the feeding of fish
- K2 feeding rates and how they fluctuate with **environmental conditions**
- K3 how to calculate production performance
- K4 **environmental legislation** specific to your site and how it affects feeding regimes
- K5 **specialist feeding regimes** and their application in the maintenance of fish health and development
- K6 normal feeding behaviour and how to determine likely cause of changes in this behaviour
- K7 why it is important to investigate variations in feeding behaviour
- K8 how to modify feeding specifications to take account of variations in environmental conditions
- K9 the operating requirements of feeding, feeding systems and monitoring devices
- K10 the systems used to collect, store and analyse feeding records
- K11 feed types and diets and how they are selected to ensure production targets are achieved
- K12 how customer and quality requirements influence the content of feed
- K13 the design and control of effective feed storage methods including feed record reconciliation
- K14 how to use feeding data to determine fish population characteristics
- K15 how visual observations are used to help regulate the feeding process, and how others can support the collection of this data
- K16 how to analyse information obtained from feeding and monitoring devices
- K17 how to minimise feed waste and why it should be minimised
- K18 site procedures for the disposal of waste
- K19 site procedures for maintaining effective hygiene
- K20 the legal requirements and site procedures for maintaining records of feeding activities and feed storage

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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

**environmental legislation** - e.g. Controlled Activities Regulations (CAR)

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