

Overview

This standard is about the implementation of feeding regimes to support the production of farmed fish. It can be applied to any fish farm.

It requires that work is completed in accordance with the standard operating procedures operated by the site using routine and non-routine tasks.

This standard includes the ability to implement feeding procedures during:

- routine feeding
- specialist feeding regimes
- variations in environmental conditions

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

Performance criteria

You must be able to:

1. ensure all work is carried out safely in accordance with relevant legal requirements and site procedures
2. control **feeding regimes** for fish to take account of environmental variations
3. check that feeding regimes are followed by the accurate implementation of feeding procedures
4. use data to calculate production performance
5. implement adjustments to feeding regimes to take account of fluctuations in production performance and variations in environmental conditions
6. investigate changes in feeding behaviour to determine their cause and the corrective action required
7. monitor the effective operation of feeders, feeding systems and monitoring equipment
8. maintain the effective storage of feed
9. ensure effective hygiene is maintained
10. analyse feedback from monitoring equipment and from those involved in feeding
11. investigate and remove causes of waste from feeding regimes
12. maintain records of all feeding activities and feed storage to meet legal requirements in accordance with site procedures

Knowledge and understanding

You need to know and understand:

1. relevant legal requirements and site procedures for health, safety and security associated with the feeding of fish
2. feeding rates and how they fluctuate with **environmental conditions**
3. how to calculate production performance
4. **environmental legislation** specific to your site and how it affects feeding regimes
5. **specialist feeding regimes** and their application in the maintenance of fish health and development
6. normal feeding behaviour and how to determine likely cause of changes in this behaviour
7. why it is important to investigate variations in feeding behaviour
8. how to modify feeding specifications to take account of variations in environmental conditions
9. the operating requirements of feeding, feeding systems and monitoring devices
10. the systems used to collect, store and analyse feeding records
11. feed types and diets and how they are selected to ensure production targets are achieved
12. how customer and quality requirements influence the content of feed
13. the design and control of effective feed storage methods including feed record reconciliation
14. how to use feeding data to determine fish population characteristics
15. how visual observations are used to help regulate the feeding process, and how others can support the collection of this data
16. how to analyse information obtained from feeding and monitoring devices
17. how to minimise feed waste and why it should be minimised
18. site procedures for the disposal of waste
19. site procedures for maintaining effective hygiene
20. the legal requirements and site procedures for maintaining records of feeding activities and feed storage

Glossary

environmental conditions – weather conditions, changes in water quality

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

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

Control feeding regimes for fish

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