

## Overview

This standard covers the development and implementation of plans for the storage and utilisation of organic by-products produced within the agriculture sector. Planning and managing the organic by-products of farming enterprises is an integral part of the management process.

The plan should take into account the increasing monetary value of nutrients in livestock manures and other organic by-products and changes brought about by the introduction of Nitrate Vulnerable Zones (NVZs).

During the course of the plan it may be necessary to make changes and contingencies are an essential part of the process.

All plans must comply with relevant environmental and other legislation and industry codes of practice.

This standard is suitable for those with responsibility for farm management.

## Performance criteria

*You must be able to:*

1. develop plans for the effective storage and utilisation of organic by-products
2. consult relevant parties on the plans and make amendments, as appropriate, based on the feedback received
3. confirm that plans for the storage and utilisation of organic by-products are in accordance with relevant legislation, codes of practice and organisational cropping policies
4. seek specialist advice where required
5. identify the resources required to implement the plan and confirm the availability of those resources
6. communicate the plans to those involved in their implementation along with other relevant parties
7. confirm that systems are in place to protect humans and animals from the dangers of working with organic by-products (e.g. gasses)
8. confirm that working methods and practices maintain health and safety and are consistent with relevant legislation, codes of practice and organisational requirements
9. confirm that those involved in the storage and utilisation of organic by-products are using appropriate personal protective equipment (PPE)
10. implement plans for the storage and utilisation of organic by-products
11. monitor the storage and utilisation of organic by-products and take appropriate action if problems are identified
12. evaluate the storage and utilisation of organic by-products for their effectiveness in meeting plans, relevant legislation and codes of practice
13. evaluate the health and safety implications of dealing with organic by-products
14. confirm that appropriate records are maintained and stored as required by relevant legislation, codes of practice, quality assurance requirements and organisational policies

## Knowledge and understanding

*You need to know and understand:*

1. the types, composition and volumes of the organic by-products produced within the enterprise
2. the implications for the business of being in a Nitrate Vulnerable Zone (NVZ)
3. the methods of maximising the monetary value of nutrients contained within the organic by-products produced
4. the value of using organic by-products in conjunction with other fertilisers
5. the sources of information and specialist advice on the storage and utilisation of organic by-products
6. how to develop and revise management plans for the effective utilisation of the nutrients contained, including financial benefits (e.g. use in cropping plans)
7. the relevant legislation and codes of practice required for the storage and utilisation of organic by-products
8. how to determine the human, financial, material and capital resources necessary to achieve the plans
9. the methods of communicating the plans and procedures to those involved in their implementation along with other interested parties
10. how to implement plans for the storage and effective utilisation of organic by-products
11. the forms and licenses relating to the storage and utilisation of organic by-products that require completion by members of staff or outside agents such as contractors
12. the appropriate methods and equipment required to apply an organic by-product on the land in order to achieve maximum nutrient value
13. the problems that may occur during the storage and utilisation of organic by-products and how these should be dealt with
14. the methods of monitoring the effectiveness of the management plans for storage and utilisation of organic by-products
15. the health and safety implications of dealing with organic by-products
16. the importance of confirming that the correct personal protective equipment (PPE) is used when dealing with organic by-products
17. how and when to notify the relevant environmental authority if a serious problem develops

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18. the requirements for reporting and recording and the length of time for which records should be retained

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## Glossary

### Environmental authority could be:

- Environment Agency
- Natural Resources Wales
- Scottish Environment Protection Agency
- Northern Ireland Environment Agency
- Local authority environment department

**Nitrate Vulnerable Zone (NVZ):** An area designated as being at risk from agricultural nitrate pollution. Businesses must follow the legal requirements for the use of nitrogen fertilisers and organic manures.

### Organic by-products could include:

- slurry
- farm yard manure (FYM)
- compost
- digestate

LANAgM1

Develop and implement plans for the storage and utilisation of organic by-products



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