Fertilisers, The Environment and Forestry Exam Questions

Higher Level

2012

Describe, with the aid of a labelled diagram, how the element nitrogen is recycled in nature.

2011

Explain the meaning of the term *B.O.D.*

Name **one** agricultural pollutant with a high B.O.D.

Explain how the named pollutant affects water quality.

Suggest **two** key elements of a waste management strategy for the named pollutant.

2010

Explain:

The increase in the number of fish kills in rivers and lakes in summer.

The inclusion of both conifers and broadleaf trees in shelterbelts

2009

With the aid of a labelled diagram briefly describe the carbon cycle.

Suggest **one** practice farmers could adopt to reduce the carbon footprint of Irish agriculture.

Compare and contrast slurry and FYM.

Suggest **two** disadvantages of spreading slurry.

2007

Describe the factors that affect the composition of animal slurry.

Explain **two** advantages of the spreading of organic manures on soils.

Name **two** gases that may build up in stored slurry.

State **one** precaution that should be taken when agitating slurry in a slatted house.

2006

Explain the Conservation of hedgerows.

Describe in detail any **two** steps in the nitrogen cycle.

2005

Describe the fertiliser application programme for grassland which is cut twice during the growing season for silage.

Explain the contribution of clover to the fertility of the soil and to the feeding value of the herbage within a sward.

Describe the factors that influence the amount of fertiliser to apply to a tillage crop.

2003

Explain the Conservation and retention of hedgerows on a farm.

2002

A common cause of fish kills in rivers is the lack of oxygen. Describe how a named farming activity could lead to the situation mentioned above.

Scientific explanation:

The necessity for a number of thinning operations in forest-tree production.

The importance of storing the fertiliser Calcium Ammonium Nitrate in sealed plastic bags.

2001

Discuss the importance of clover in a pasture under the following headings: ground water pollution.

Discuss, with the aid of a diagram, how the element carbon is recycled in nature.

Explain A variation in the concentration of carbon dioxide in the atmosphere during a warm sunny day.