

# Mapping Lantra Awards to BTEC Level 3 Nationals in

## Agriculture



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## Agriculture

**Pearson BTEC** and **Lantra Awards** have teamed-up to offer your Level 3 learners comprehensive study programmes designed around specific land-based occupations offering your learners additional key work-based skills to help them pursue a career in this sector.

This exciting new combination means **BTEC Level 3 Nationals** learners can:

- acquire the key industry skills, knowledge and regulatory certification employers in this sector expect and look for
- cover some of the content for the Lantra Awards legislative tests within their current BTEC study programmes
- be confident they have the skills they will need to get their career off to the best possible start.

This mapping document will help you see what's already covered within your BTEC Nationals specification and any additional requirements needed in order to deliver specific Lantra awards.

## Contents

The following Lantra Awards courses complement your BTEC Nationals in Agriculture course:

- ▶ **Lantra Awards Technical Award in Machine Sheep Shearing**
- ▶ **Lantra Awards Technical Award in Lambing Techniques**
- ▶ **Lantra Awards Technical Award in Safe and Effective use of Veterinary Medicines**
- ▶ **Lantra Awards Level 2 Award in Health and Safety: Agriculture and Horticulture**
- ▶ **Lantra Awards Level 2 Award in Animal Transport by Road**
- ▶ **Lantra Awards Technical Award in All Terrain Vehicle Sit-Astride (all types)**
- ▶ **Lantra Awards Technical Award in Tractor Driving (duration based on experience)**
- ▶ **Lantra Awards Technical Award in Safe Application of Fertiliser and Manure**





## Lantra Awards Technical Award in Machine Sheep Shearing

### Assessment Criteria mapped to BTEC Level 3 National in Agriculture Units

NB: Mapping is from Lantra Awards Learning Outcomes only, not from assessment criteria.

Lantra Learning Outcome	BTEC Unit Title	BTEC Learning Aim
2. Handle sheep with due regard for animal welfare and personal safety	Unit 7: Farm Livestock Husbandry	<p><b>C: Carry out handling and routine husbandry of farm livestock to meet current standards</b></p> <p>C3: Practical animal handling techniques and equipment for common farm livestock species</p>
	Unit 11: Livestock Health and Diseases	<p><b>B: Undertake health assessments for effective management of livestock health and welfare</b></p> <p>B1: Assessing general health in animals</p>

### Lantra Award Assessment Criteria **not covered**

#### Lantra Learning Outcomes

1. Set up, maintain, lubricate and adjust shearing equipment for safe and proper working, according to the manufacturer's handbook
3. Shear sheep in a competent manner unassisted
4. Shear sheep to the quality and quantitative standards as required by the BWMB certification scheme
5. Present the wool product for sale, understanding the importance of factors which affect its value.



## Lantra Awards Technical Award in Lambing Techniques

### Assessment Criteria mapped to BTEC Level 3 National in Agriculture Units

NB: Mapping is from Lantra Awards Learning Outcomes only, not from assessment criteria.

Lantra Learning Outcome	BTEC Unit Title	BTEC Learning Aim
1.Prepare self and the facilities/ equipment for hygienic lambing	Unit 19: Sheep Production	<b>A: Investigate sheep production systems used in the UK</b> A2 Preparation for breeding
2.Recognise the physical and behavioural signs indicating the imminence of lambing	Unit 19: Sheep Production	<b>C: Carry out routine husbandry of sheep during the production cycle to meet current welfare and husbandry standards</b> C1: Routine husbandry C2: Preparations for pre-lambing and lambing C3: Care of the newborn lamb
3.Identify the signs of normal and abnormal labour	Unit 19: Sheep Production	<b>C: Carry out routine husbandry of sheep during the production cycle to meet current welfare and husbandry standards</b> C1: Routine husbandry C2: Preparations for pre-lambing and lambing
4.Identify simple malpresentations and correct them	Unit 19: Sheep Production	<b>C: Carry out routine husbandry of sheep during the production cycle to meet current welfare and husbandry standards</b> C1: Routine husbandry C2: Preparations for pre-lambing and lambing
5.Decide when veterinary assistance must be obtained	Unit 19: Sheep Production	<b>C: Carry out routine husbandry of sheep during the production cycle to meet current welfare and husbandry standards</b> C1: Routine husbandry C2: Preparations for pre-lambing and lambing
6.Care for the newly-born lamb and the ewe immediately after lambing.	Unit 19: Sheep Production	<b>C: Carry out routine husbandry of sheep during the production cycle to meet current welfare and husbandry standards</b> C3: Care of the newborn lamb



## Lantra Awards Technical Award in Safe and Effective Use of Veterinary Medicines

### Assessment Criteria mapped to BTEC Level 3 National in Agriculture Units

NB: Mapping is from Lantra Awards Learning Outcomes only, not from assessment criteria

Lantra Learning Outcome	BTEC Unit Title	BTEC Learning Aim
1. Know the legislation concerning the health and welfare of animals	Unit 7: Farm Livestock Husbandry	<p><b>C: Carry out handling and routine husbandry of farm livestock to meet current standards</b></p> <p>C1: Health and safety requirements when working with farm livestock</p>
2. Know the basics of infectious, parasitic and nutritional disease	Unit 11: Livestock Health and Diseases	<p><b>A: Understand how pathogens and parasites impact on livestock health management</b></p> <p>A1: Structure and reproduction of pathogens and parasites, and disease transmission A2; Defence against disease</p> <p><b>B: Undertake health assessments for effective management of livestock health and welfare</b></p> <p>B1: Assessing general health in animals B2: Livestock diseases and disorders</p> <p><b>C: Explore livestock health management strategies to prevent and control ill health</b></p> <p>C1: Health and hygiene C2: Theory and administration of basic treatments and health management C3: Health planning, assessment, recording and monitoring</p>
6. Know about safety considerations and reporting adverse events	Unit 1: Professional Working Responsibilities	<p><b>A: Professional responsibilities associated with the workplace</b></p> <p>A1: Characteristics of professional working responsibilities and sources of relevant information A2: Characteristics and scope of personal responsibilities in the workplace</p> <p><b>B: Health and safety responsibilities</b></p> <p>B1: Introduction to health and safety and associated legislation B2: Safe working practices</p>
8. Know the importance of good record keeping	Unit 11: Livestock Health and Diseases	<p><b>C: Explore livestock health management strategies to prevent and control ill health</b></p> <p>C3: Health planning, assessment, recording and monitoring</p>



## Lantra Award Assessment Criteria **not covered**

### Lantra Learning Outcomes

- 3. Understand the quality, safety, efficacy criteria of veterinary medicines
- 4. Know the legal categories of medicine
- 5. Know how to store medicines correctly
- 7. Understand withdrawal periods for veterinary medicines
- 9. Know how to administer medicines correctly
- 10. Understand the role of a Suitably Qualified Person (SQP) and the need for responsible prescribing



## Lantra Awards Level 2 Award in Health and Safety for Agriculture and Horticulture Assessment Criteria mapped to BTEC Level 3 National in Agriculture Units

Lantra Learning Outcomes	Lantra Assessment Criteria	BTEC Unit Title	BTEC Learning Aim
1. Understand the effects accidents and ill health can have upon businesses and people	1.1. Identify the effects that work-related accidents, incidents and ill health can have on people	Unit 1: Professional Working Responsibilities	<b>A: Professional responsibilities associated with the workplace</b> A1: Characteristics of professional working responsibilities and sources of relevant information A2: Characteristics and scope of personal responsibilities in the workplace  <b>B: Health and safety responsibilities</b> B1: Introduction to health and safety and associated legislation B2: Safe working practices
	1.2. Identify the effects that work-related accidents, incidents and ill health can have on businesses	Unit 1: Professional Working Responsibilities	<b>A: Professional responsibilities associated with the workplace</b> A1: Characteristics of professional working responsibilities and sources of relevant information A2: Characteristics and scope of personal responsibilities in the workplace  <b>B: Health and safety responsibilities</b> B1: Introduction to health and safety and associated legislation B2: Safe working practices
2. Know the roles within the workplace that relate to health and safety	2.1. Identify the responsibilities of an employee in relation to health and safety in the workplace	Unit 1: Professional Working Responsibilities	<b>A: Professional responsibilities associated with the workplace</b> A1: Characteristics of professional working responsibilities and sources of relevant information A2: Characteristics and scope of personal responsibilities in the workplace  <b>B: Health and safety responsibilities</b> B1: Introduction to health and safety and associated legislation B2: Safe working practices B3: Risk assessment B4: Schematics and maps B5: Purpose of risk assessment



	2.2. Identify the responsibilities of an employer in relation to health and safety in the workplace	<b>Unit 1: Professional Working Responsibilities</b>	<p><b>A: Professional responsibilities associated with the workplace</b>  A1: Characteristics of professional working responsibilities and sources of relevant information  A2: Characteristics and scope of personal responsibilities in the workplace</p> <p><b>B: Health and safety responsibilities</b>  B1: Introduction to health and safety and associated legislation  B2: Safe working practices  B3: Risk assessment  B4: Schematics and maps  B5: Purpose of risk assessment</p>
	2.3. Identify employee responsibilities relating to the use, care and replacement of Personal and Protective Equipment (PPE) provided for use at work	<b>Unit 1: Professional Working Responsibilities</b>	<p><b>A: Professional responsibilities associated with the workplace</b>  A1: Characteristics of professional working responsibilities and sources of relevant information  A2: Characteristics and scope of personal responsibilities in the workplace</p> <p><b>B: Health and safety responsibilities</b>  B1: Introduction to health and safety and associated legislation  B2: Safe working practices  B3: Risk assessment  B4: Schematics and maps  B5: Purpose of risk assessment</p>
<b>3. Know how to cooperate with others to improve health and safety</b>	3.1. Identify the benefits of working with others to improve health and safety	<b>Unit 1: Professional Working Responsibilities</b>	<p><b>A: Professional responsibilities associated with the workplace</b> A1: Characteristics of professional working responsibilities and sources of relevant information  A2: Characteristics and scope of personal responsibilities in the workplace</p> <p><b>B: Health and safety responsibilities</b>  B1: Introduction to health and safety and associated legislation  B2: Safe working practices  B3: Risk assessment  B4: Schematics and maps  B5: Purpose of risk assessment</p> <p><b>C: Managing waste responsibly and safely</b>  C1: Animal, plant and non-organic waste  C2: Legal responsibilities for waste management  C3: Environmental and waste management policies, plans and audits</p>





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<b>4. Understand how personal work activities can affect the health and safety of others</b>	4.1. Identify how personal work activities can affect the health and safety of others	<b>Unit 1: Professional Working Responsibilities</b>	<b>A: Professional responsibilities associated with the workplace</b> A1 Characteristics of professional working responsibilities and sources of relevant information A2: Characteristics and scope of personal responsibilities in the workplace  <b>B: Health and safety responsibilities</b> B1: Introduction to health and safety and associated legislation B2: Safe working practices B3: Risk assessment B4: Schematics and maps B5: Purpose of risk assessment
<b>5. Know the consequences of safe and unsafe behaviour and the impact on workplace attitudes</b>	5.1. Identify examples of safe and unsafe behaviours in the workplace	<b>Unit 1: Professional Working Responsibilities</b>	<b>A: Professional responsibilities associated with the workplace</b> A1 Characteristics of professional working responsibilities and sources of relevant information A2: Characteristics and scope of personal responsibilities in the workplace  <b>B: Health and safety responsibilities</b> B1: Introduction to health and safety and associated legislation B2: Safe working practices B3: Risk assessment B4: Schematics and maps B5: Purpose of risk assessment
	5.2. Identify the consequences of unsafe behaviours in the workplace	<b>Unit 1: Professional Working Responsibilities</b>	<b>A: Professional responsibilities associated with the workplace</b> A1: Characteristics of professional working responsibilities and sources of relevant information A2: Characteristics and scope of personal responsibilities in the workplace  <b>B: Health and safety responsibilities</b> B1: Introduction to health and safety and associated legislation B2: Safe working practices B3: Risk assessment B4: Schematics and maps B5: Purpose of risk assessment



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<b>7. Know appropriate measures to control risks in the land-based sector</b>	7.1. Identify appropriate measures to control risks in a named land-based environment	<b>Unit 1: Professional Working Responsibilities</b>	<b>C: Managing waste responsibly and safely</b> C1: Animal, plant and non-organic waste C2: Legal responsibilities for waste management C3: Environmental and waste management policies, plans and audits
	7.3. Identify the significance of a risk assessment and safe system of work prepared by the employer	<b>Unit 1: Professional Working Responsibilities</b>	<b>B: Health and safety responsibilities</b> B1: Introduction to health and safety and associated legislation B2: Safe working practices B3: Risk assessment B4: Schematics and maps B5: Purpose of risk assessment
	7.4. Identify the risks and appropriate control measures for significant hazards or workplace activities, including: <ul style="list-style-type: none"> <li>• Workplace transport</li> <li>• Working at height</li> <li>• Working with machinery</li> <li>• Manual handling</li> <li>• Working with high noise levels</li> <li>• High levels of dust and asthmagens</li> <li>• Hazardous substances</li> <li>• Working in confined spaces/excavations</li> <li>• Working with electricity</li> <li>• Slips, trips and falls.</li> </ul>	<b>Unit 1: Professional Working Responsibilities</b>	<b>B: Health and safety responsibilities</b> B1: Introduction to health and safety and associated legislation B2: Safe working practices B3: Risk assessment B4: Schematics and maps B5: Purpose of risk assessment  <b>C: Managing waste responsibly and safely</b> C1: Animal, plant and non-organic waste C2: Legal responsibilities for waste management C3: Environmental and waste management policies, plans and audits
	7.5. State what to do in the event of an accident	<b>Unit 1: Professional Working Responsibilities</b>	<b>B: Health and safety responsibilities</b> B1: Introduction to health and safety and associated legislation B2: Safe working practices B3: Risk assessment B4: Schematics and maps B5: Purpose of risk assessment



## Lantra Awards Assessment Criteria **not covered**

Lantra Learning Outcomes	Lantra Assessment Criteria
3. Know how to cooperate with others to improve health and safety	3.2. Identify issues that require consultation between employee and employer
	3.3. State ways in which the employee might contribute to a positive health and safety culture
6. Know the major sources of accident and ill health in the work environment	6.1. Know the main sources of accidents in the work environment
	6.2. Know the main sources of ill health in the work environment
7. Know appropriate measures to control risks in the land-based sector	7.2. State why manufacturer's instructions for the use of equipment, materials and products should be followed
8. Understand the importance of checking that the measures in place to protect health and safety are properly maintained	8.1. Identify the benefits of regular checks of vehicles, work equipment and safety equipment



## Lantra Awards Level 2 Award in Animal Transport by Road – Short Journey

### Principles of transporting animals by road on short journeys

#### Assessment Criteria **mapped** to BTEC Level 3 National in Agriculture Units

Lantra Learning Outcomes	Lantra Assessment Criteria	BTEC Unit Title	BTEC Learning Aim
1. Know how to transport animals by road on short journeys	1.1. Describe the legal requirements covering animal health and welfare during transportation	Unit 18: Pig Production	<b>A: Investigate pig production systems used in the UK</b> A1: Pig production systems
		Unit 19: Sheep Production	<b>A: Investigate sheep production systems used in the UK</b> A1: Sheep production systems
		Unit 20: Beef Production	<b>A: Investigate beef production systems used in the UK</b> A1: Beef production systems
		Unit 21: Dairy Production	<b>A: Investigate dairy production systems and dairy cow welfare in the UK</b> A1: Dairy production systems
	1.6. Identify the causes and signs of stress in animals.	Unit 11: Livestock Health and Diseases	B: Undertake health assessments for effective management of livestock health and welfare B1: Assessing general health in animals <b>C: Explore livestock health management strategies to prevent and control ill health</b> C3: Health planning, assessment, recording and monitoring
	1.8. Explain the requirements for handling and welfare in transit.	Unit 7: Farm Livestock Husbandry	<b>C: Carry out handling and routine husbandry of farm livestock to meet current standards</b> C3: Practical animal handling techniques and equipment for common farm livestock species

#### Lantra Awards Assessment Criteria **not covered** in BTEC Level 3 National in Agriculture Units

Lantra Learning Outcomes	Lantra Assessment Criteria
1. Know how to transport animals by road on short journeys	1.2. Identify the responsibilities for transporting animals before, during and after transportation
	1.3. Describe how to effectively plan and implement the transportation of animals
	1.4. State the vehicle requirements for transporting animals
	1.5. Describe how to check animals for fitness to travel.
	1.7. Describe the space allowances, stocking densities and segregation requirements.
	1.9. Identify journey and post-journey requirements



## Transport of animals by road on long journeys – Attendant

### Assessment Criteria mapped to BTEC Level 3 National in Agriculture Units

Lantra Learning Outcomes	Lantra Assessment Criteria	BTEC Unit Title	BTEC Learning Aim
1. Know how to transport animals by road on short journeys	1.1. Describe the legal requirements covering animal health and welfare during transportation	Unit 18: Pig Production	<b>A: Investigate pig production systems used in the UK</b> A1: Pig production systems
		Unit 19: Sheep Production	<b>A: Investigate sheep production systems used in the UK</b> A1: Sheep production systems
		Unit 20: Beef Production	<b>A: Investigate beef production systems used in the UK</b> A1: Beef production systems
		Unit 21: Dairy Production	<b>A: Investigate dairy production systems and dairy cow welfare in the UK</b> A1: Dairy production systems
	1.6. Identify the causes and signs of stress in animals.	Unit 11: Livestock Health and Diseases	<b>B: Undertake health assessments for effective management of livestock health and welfare</b> B1: Assessing general health in animals  <b>C: Explore livestock health management strategies to prevent and control ill health</b> C3: Health planning, assessment, recording and monitoring
	1.8. Explain the requirements for handling and welfare in transit.	Unit 7: Farm Livestock Husbandry	<b>C: Carry out handling and routine husbandry of farm livestock to meet current standards</b> C3: Practical animal handling techniques and equipment for common farm livestock species

### Lantra Awards Assessment Criteria **not covered**

Lantra Learning Outcome	Lantra Assessment Criteria
1. Know how to transport animals by road on short journeys	1.2. Identify the responsibilities for transporting animals before, during and after transportation
	1.3. Describe how to effectively plan and implement the transportation of animals
	1.7. Describe the space allowances, stocking densities and segregation requirements.
	1.9. Identify journey and post-journey requirements
2. Be able to assist with the transport of animals by road on long journeys	2.1 Complete transport documentation
	2.2 Check a vehicle for suitability and condition for transporting animals
	2.3 Check animals intended for the journey
	2.4 Load animals for travel
	2.5 Describe how to unload animals after a journey
	2.6 Describe how to clean and disinfect a vehicle and check its condition



## Transport of animals by road on long journeys – Driver

### Assessment Criteria mapped to BTEC Level 3 National in Agriculture Units

Lantra Learning Outcomes	Lantra Assessment Criteria	BTEC Unit Title	BTEC Learning Aim
1. Know how to transport animals by road on short journeys	1.1. Describe the legal requirements covering animal health and welfare during transportation	Unit 18: Pig Production	<b>A: Investigate pig production systems used in the UK A1 Pig production systems</b>
		Unit 19: Sheep Production	<b>A: Investigate sheep production systems used in the UK A1 Sheep production systems</b>
		Unit 20: Beef Production	<b>A: Investigate beef production systems used in the UK A1 Beef production systems</b>
		Unit 21: Dairy Production	<b>A: Investigate dairy production systems and dairy cow welfare in the UK</b> A1: Dairy production systems
	1.6. Identify the causes and signs of stress in animals.	Unit 11: Livestock Health and Diseases	<b>B: Undertake health assessments for effective management of livestock health and welfare</b> B1 Assessing general health in animals  <b>C: Explore livestock health management strategies to prevent and control ill health</b> C3: Health planning, assessment, recording and monitoring
	1.8. Explain the requirements for handling and welfare in transit.	Unit 7: Farm Livestock Husbandry	<b>C: Carry out handling and routine husbandry of farm livestock to meet current standards</b> C3: Practical animal handling techniques and equipment for common farm livestock species

### Lantra Awards Assessment Criteria **not covered**

Lantra Learning Outcomes	Lantra Assessment Criteria
1. Know how to transport animals by road on short journeys	1.2. Identify the responsibilities for transporting animals before, during and after transportation
	1.3. Describe how to effectively plan and implement the transportation of animals
	1.7. Describe the space allowances, stocking densities and segregation requirements.
	1.9. Identify journey and post-journey requirements
2. Be able to assist with the transport of animals by road on long journeys	2.1 Complete transport documentation
	2.2 Check a vehicle for suitability and condition for transporting animals
	2.3 Check animals intended for the journey
	2.4 Load animals for travel
	2.5 Describe how to unload animals after a journey
	2.6 Describe how to clean and disinfect a vehicle and check its condition
3. Be able to drive an animal transport vehicle	3.1. Position vehicle at collection point
	3.2. Manoeuvre vehicle in a safe and controlled manner
	3.3. Drive the vehicle in a safe and controlled manner with due care for animals transported and other road users



## Lantra Awards Technical Award in All Terrain Vehicle Sit-Astride (all types)

### Assessment Criteria mapped to BTEC Level 3 National in Agriculture Units

NB: Mapping is from Lantra Awards Learning Outcomes only, not from assessment criteria

Lantra Learning Outcome	BTEC Unit Title	BTEC Learning Aim
1. Comply with safety and legal requirements, with an emphasis on safe practices, warning signs and guards	Unit 8: Land-based Machinery Operations	<p><b>A: Investigate the types, purpose and safe operation of land-based machinery</b>                      A1: Types of machine and their purpose                      A2: Principles of operation                      A3: Range of conditions in which machinery may be operated                      A4: Health and safety considerations</p> <p><b>B: Operate land-based machinery safely to complete a practical task</b>                      B1: Preparation                      B2: Operation</p> <p><b>C: Maintain land-based machinery safely in order to sustain its effectiveness</b>                      C1: Maintenance                      C2: Servicing and repair</p>
	Unit 26: Selecting and Managing Land-based Machinery	<p><b>B: Produce a plan for the efficient and legal use of machinery for a land-based enterprise</b>                      B1: Operator and on-the-road legislation, and the role of operator competence</p>
2. State the recommended personal protective equipment [PPE] for safe operation in all conditions	Unit 1: Professional Working Responsibilities	<p>B1: Introduction to health and safety and associated legislation                      B2: Safe working practices                      B3: Risk assessment</p>



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3. Describe the construction and working principles of the machine	Unit 8: Land-based Machinery Operations	<b>A: Investigate the types, purpose and safe operation of land-based machinery</b> A1: Types of machine and their purpose A2: Principles of operation A3: Range of conditions in which machinery may be operated A4: Health and safety considerations  <b>B: Operate land-based machinery safely to complete a practical task</b> B1: Preparation B2: Operation  <b>C: Maintain land-based machinery safely in order to sustain its effectiveness</b> C1: Maintenance C2: Servicing and repair
4. Identify the risks associated with use of an ATV		
5. Identify the controls and components and understand the function of all instruments		
6. Prepare the ATV for work, including checking, and adjusting safety devices, as indicated in the manufacturer's manual		

## Lantra Awards Assessment Criteria **not covered**

Lantra Learning Outcome
7. Carry out all pre-riding checks for faulty or dangerous components
8. Understand the importance and procedures to report any faults with the machine
9. Start up and operate the machine safely, in a range of different terrain and ground conditions
10. Perform a 'controlled stop' (emergency stop) without locking the wheels
11. Perform a failed hill climb
12. Identify the loading and towing capacities of an ATV
13. Assess which loads/mounted implements are suitable for their ATV and situation
14. Assess which trailed implements are suitable for their ATV and situation
15. Use the machine safely with loads/mounted and/or trailed equipment in a range of ground conditions
16. Correctly hitch a trailer or trailed implement and manoeuvre forwards and backwards through a defined course
17. Perform 'after-use' maintenance
18. Understand legal and practical requirements for travelling on the public road
19. Use the manufacturer's manual





## Lantra Awards Technical Award in Tractor Driving (duration based on experience)

### Assessment Criteria mapped to BTEC Level 3 National in Agriculture Units

NB: Mapping is from Lantra Awards Learning Outcomes only, not from assessment criteria

Lantra Learning Outcome	BTEC Unit Title	BTEC Learning Aim
1.Perform a risk assessment	Unit 1: Professional Working Responsibilities	B1: Introduction to health and safety and associated legislation B2: Safe working practices B3: Risk assessment
2.Mount and dismount a tractor safely	Unit 8: Land-based Machinery Operations	<b>A: Investigate the types, purpose and safe operation of land-based machinery</b> A1: Types of machine and their purpose A2: Principles of operation A3: Range of conditions in which machinery may be operated A4: Health and safety considerations  <b>B: Operate land-based machinery safely to complete a practical task</b> B1: Preparation B2: Operation  <b>C: Maintain land-based machinery safely in order to sustain its effectiveness</b> C1: Maintenance C2: Servicing and repair  C2 Servicing and repair
3.Understand the purpose and meaning of the instrumentation		
4.Understand the function of all tractor controls		
5.Understand the hazards associated with using tractor controls		
6.Understand the reasons for daily checks on tractors		
7.Competently perform checking of the lubrication, cooling system and air intake of the engine		
8.Perform basic lubrication of the tractor and ensure the tractor is in a safe road-going state		



## Lantra Awards Assessment Criteria **not covered**

### Lantra Learning Outcome

9. Start and stop the engine in a safe manner
10. Competently drive a tractor in forwards and reverse modes
11. Leave the tractor in a safe state
12. Safely hitch a mounted implement and manoeuvre in a forward and reverse direction with a mounted implement
13. Safely unhitch a mounted implement
14. Safely hitch a trailed implement and manoeuvre in a forward and reverse direction with a trailed implement
15. Safely unhitch a trailed implement
16. Leave unhitched implements in a safe state
17. Correctly hitch a power take-off shaft and shaft guards between tractor and implement
18. Assess the minimum turning circle of the machine and the angle of the power take-off shaft
19. Carry out basic operations using a trailer
20. Carry out basic operations using a tractor-mounted loader.



## Lantra Awards Technical Award in Safe Application of Fertiliser and Manure

### Assessment Criteria mapped to BTEC Level 3 National in Agriculture Units

NB: Mapping is from Lantra Awards Learning Outcomes only, not from assessment criteria

Lantra Learning Outcome	BTEC Unit Title	BTEC Learning Aim
1.Understand the regulations regarding the safe use and application of fertiliser and manure	Unit 14: Root Crop and Field Vegetable Production	<b>A: Investigate production and husbandry requirements for root crops and field vegetables</b> A1: Key biological and physical requirements for production A2: Key husbandry requirements A3: The role of legislation and codes of practice  <b>C: Carry out husbandry tasks related to root crops and field vegetables</b> C1: General husbandry tasks C2: Fertiliser application C3: Weed, pest and disease control
	Unit 15: Combinable Crop Production and Processing	<b>A: Investigate production requirements for combinable crops</b> A1: Production requirements A2: Crop choice and establishment techniques A3: The role of legislation and codes of practice  <b>C: Carry out preparation and cultivation tasks related to combinable crops</b> C1: General husbandry tasks C2: Fertiliser application C3: Weed, pest and disease control
	Unit 2: Plant and Soil Science	<b>C: Managing plant growth media</b> C1: Soil management
2.State the relevant legislation that affects organic and inorganic nitrate use	Unit 14: Root Crop and Field Vegetable Production	<b>A: Investigate production and husbandry requirements for root crops and field vegetables</b> A1: Key biological and physical requirements for production A2: Key husbandry requirements A3: The role of legislation and codes of practice



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		<p><b>C: Carry out husbandry tasks related to root crops and field vegetables</b>            C1: General husbandry tasks            C2: Fertiliser application            C3: Weed, pest and disease control</p>
	Unit 15: Combinable Crop Production and Processing	<p><b>A: Investigate production requirements for combinable crops</b>            A1: Production requirements            A2: Crop choice and establishment techniques            A3: The role of legislation and codes of practice</p> <p><b>C: Carry out preparation and cultivation tasks related to combinable crops</b>            C1: General husbandry tasks            C2: Fertiliser application            C3: Weed, pest and disease control</p>
	Unit 2: Plant and Soil Science	<p><b>C: Managing plant growth media</b>            C1: Soil management</p>
3. Understand fertiliser and manure product information	Unit 14: Root Crop and Field Vegetable Production	<p><b>A: Investigate production and husbandry requirements for root crops and field vegetables</b>            A1: Key biological and physical requirements for production            A2: Key husbandry requirements            A3: The role of legislation and codes of practice</p> <p><b>C: Carry out husbandry tasks related to root crops and field vegetables</b>            C1: General husbandry tasks            C2: Fertiliser application            C3: Weed, pest and disease control</p>
	Unit 15: Combinable Crop Production and Processing	<p><b>A: Investigate production requirements for combinable crops</b>            A1: Production requirements            A2: Crop choice and establishment techniques            A3: The role of legislation and codes of practice</p> <p><b>C: Carry out preparation and cultivation tasks related to combinable crops</b>            C1: General husbandry tasks            C2: Fertiliser application            C3: Weed, pest and disease control</p>



Unit 2: Plant and Soil Science

**C: Managing plant growth media**  
C1: Soil management

## Lantra Awards Assessment Criteria **not covered**

### Lantra Learning Outcome

4. Understand the operator's responsibility for safe working practices
5. Understand the requirements for protected areas
6. Take appropriate action to minimise environmental risk and protect wildlife
7. Understand how to deal with an incident
8. Understand factors to consider when using manure and fertilisers
9. Correctly record information