LANTRA

Raising skills, backing business

Assessment Guidance for

Agriculture Level 2 SVQ

and Agricultural Crops, Livestock

Production, Poultry Production

and Mixed Farming Level 3 SVQs

LANLP1   **Prepare feed and water supplies for livestock**

Evidence requirements

A.   select feed that is correct for livestock in accordance with dietary, medical and production requirements by selecting the:
(i)   correct feed type
(ii)   correct quantity
(iii)   correct quality

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP2   **Provide, monitor and maintain the supply of feed and water to livestock**

Evidence requirements

A.   supply feed correctly to the livestock via the specified method

B.   check the livestock are feeding and drinking normally in line with expected production requirements

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP3   **Establish and confirm pregnancy in livestock**

Evidence requirements

A.   use at least one of the following methods of fertilisation:
(i)   natural methods
(ii)   artificial insemination

Notes
Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP4	Monitor and maintain livestock during pregnancy

Evidence requirements

A.   recognise the health and condition of an animal based on:
(i)   appearance
(ii)   posture and movement
(iii)   behaviour

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP5	Monitor and maintain the care of livestock during and after parturition

Evidence requirements

A.   provide assistance during both:
(i)   normal parturition
(ii)   abnormal parturition

B.   observe the health and condition of the female throughout parturition and report any concerns to the appropriate person, taking into account:
(i)   appearance
(ii)   posture and movement
(iii)   behaviour

Notes

This does not take into account incubation or hatching of eggs, which is covered in the poultry units.

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP6	Prepare indoor accommodation for livestock

Evidence requirements

A.   prepare the following aspects of accommodation for livestock:
(i)   environmental conditions
(ii)   layout/structure
(iii)   bedding/litter

Notes

Evidence from simulations is not acceptable for this element.

LANLP7	Establish, monitor and maintain livestock within indoor accommodation

Evidence requirements

A.   establish and monitor the following environmental conditions:
(i)   ventilation
(ii)   light
(iii)   humidity
(iv)   temperature

B.   maintain the following aspects of animal health and welfare:
(i)   the suitability of accommodation to the livestock concerned
(ii)   allowing the necessary freedom of movement
(iii)   minimising livestock stress

Notes

Evidence from simulations is not acceptable for this element.

Note: For Poultry - if you are working with commercial poultry, and are working with large numbers, the main emphasis of this is the reception of the birds and settling them into their accommodation. You will only be required to maintain the accommodation for as long as it takes to settle the birds, probably a day or two on each occasion.

LANLP8	Prepare outdoor sites for livestock

Evidence requirements

A.   check the condition of feed for:
(i)   quality
(ii)   quantity

B.   assess and confirm the boundaries are safe and secure, taking account of:
(i)   hedges
(ii)   constructed structures
(iii)   landforms

C.   describe the features of the outdoor site and its suitability to the livestock covering:
(i)   climate
(ii)   time of year
(iii)   age of the livestock
(iv)   number of animals
(v)   previous use of the land
(vi)   systems for feeding

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP9	Establish, monitor and maintain livestock on outdoor sites

Evidence requirements

A.   monitor the following aspects of livestock condition:
(i)   behavioural
(ii)   physical

B.   assess the area and its boundaries to confirm their continuing suitability, safety and security, taking into account:
(i)   hedges
(ii)   constructed structures
(iii)   landforms
(iv)   temporary fencing

C.   describe the types of problems which may impact on production and the health and welfare of the livestock, regarding the following:
(i)   the outdoor site
(ii)   quantity and quality of feed and water available
(iii)   boundaries

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP10   **Prepare for, carry out and complete the milking of livestock**

Evidence requirements

A.   identify and deal with livestock where their milk is unsuitable for consumption due to:
(i)   mastitis
(ii)   receiving medication
(iii)   colostrum

B.   establish the vacuum level and pulsation rate correctly in accordance with instructions using the following types of equipment:
(i)   pumps
(ii)   pipes
(iii)   collecting tanks
(iv)   vacuum gauge
(v)   pulsation unit

C.   make sure milk is free from contamination, and identify milk that is:
(i)   suitable for sale
(ii)   unsuitable for sale

D.   return stock to the following living areas:
(i)   fields
(ii)   buildings

E.   clean and leave the work area and the following equipment in a suitable condition for the next milking:
(i)   pumps
(ii)   pipes
(iii)   collecting tanks

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP11	**Prepare, monitor and maintain mechanically controlled systems used in livestock production**

Evidence requirements

A.	set up two of the following types of mechanically controlled systems used in livestock production
(i)	robotic milking machines
(ii)	automated feeders
(iiI)	automatic watering systems
(iv)	automated slurry scraper
(v)	automatic aerators
(vi)	weigh scales
(vii)	shedding gates
(viii)	fans
(ix)	sprinklers
(x)	brushes

Notes
Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP12	**Prepare, monitor and maintain a mechanically controlled livestock production environment**

Evidence requirements

A.	set up at least three of the following environmental conditions in accordance with instructions:
(i)	humidity
(ii)	air quality
(iii)	temperature
(iv)	ventilation
(v)	light

B.	measure and record at least three of the following environmental conditions in accordance with instructions:
(i)	humidity
(ii)	air quality
(iii)	temperature
(iv)	ventilation
(v)	light

C.	use relevant equipment to control three of the following conditions
(i)	humidity
(ii)	air quality
(iii)	temperature
(iv)	ventilation
(v)	light

Notes

The types of production environment which the unit is relevant to includes livestock growth and development, livestock reproduction and egg production. The term 'livestock' may be interpreted as 'hatching eggs' for anyone working within a hatchery.

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP13   **Prepare to shear livestock**

Evidence requirements

A.   prepare equipment for the following:
(i)   shearing
(ii)   containing livestock
(iii)   wool handling

B.   prepare livestock for shearing in the following ways:
(i)   cleaning
(ii)   drying
(iii)   moving into the correct area
(iv)   dagging or crutching

Notes

Evidence from simulations is not acceptable for this element.

LANLP14   **Carry out and complete the shearing of livestock**

Evidence requirements

A.   use equipment for:
(i)   shearing
(ii)   containing livestock
(ii)   wool handling

B.   modify shearing in response to changes in the following conditions which may reduce the quality of the fleece:
(i)   weather
(ii)   performance of equipment

C.   maintain both of the following work areas:
(i)   indoors
(ii)   outdoors

Notes

Evidence from simulations is not acceptable for this element.

Simulation is only acceptable for B.; where it is used to generate evidence, this must properly reflect the requirements of a real work environment

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LANLP15   Plan and evaluate livestock accommodation

Evidence requirements

A.   select and plan accommodation against the following criteria:
(i)   the availability of accommodation
(ii)   suitability of the accommodation for the   livestock concerned
(iii)   the welfare of livestock

B.   evaluate the following aspects of livestock accommodation:
(i)   the suitability of accommodation to the   livestock concerned
(ii)   the necessary freedom of movement
(iii)   minimising livestock stress

Notes

Evidence from simulations is not acceptable for this element.

LANLP16   Plan, establish and maintain livestock handling and restraint facilities/systems

Evidence requirements

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP17   Maintain the health and well-being of livestock

Evidence requirements

A   monitor physical condition and behaviour of the livestock at suitable intervals, and recognise and report on the following:
(i)   appearance
(ii)   posture and movement
(iii)   behaviour
(iv)   bodily functioning

B   implement one specific measures to promote and maintain the well-being of

livestock:
(i)   apply basic treatments
(ii)   deliver non-surgical procedures
(iii)   environmental adjustment
(iv)   changing feed or water provision

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real work situations.

LANLP18	Deliver basic treatments to livestock

Evidence requirements

A.   assist in administering the following treatments:
(i)   preventative
(ii)   prescriptive

B.   undertake the following treatments:
(i)   cleaning and hygiene procedures
(ii)   basic health care treatments
(iii)   routine stock procedures

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP19	Deliver non-surgical procedures to livestock

Evidence requirements

A.   deliver one of the non-surgical procedures to livestock
(i)   tail dogging
(ii)   teeth clipping
(iii)   nail clipping
(iv)   castration
(v)   disbudding
(vi)   claw removal and blocking
(vii) wing clipping

B.   monitor and report the physical condition and behaviour of the livestock after the non-surgical procedure:
(i)   appearance
(ii)   posture and movement
(iii)   behaviour
(iv)   bodily functioning

LANLP20	**Identify and maintain soil nutrients for grassland and forage crops**

Evidence requirements

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP21	**Monitor and maintain grassland and forage crop production to support livestock grazing**

Evidence requirements

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP22	**Monitor and maintain feed stuff and the mixing of diets**

Evidence requirements

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP23	**Prepare birds for reproduction and enable fertilisation**

Evidence requirements

A. use and maintain the following equipment:
(i) manual

(ii)   powered
(iii)   measuring

B.   assess the following aspects of the birds physical condition:
(i)   appearance
(ii)   movement and behaviour
(iii) reproductive cycle
(iv)   physical abnormalities

Notes

Simulation will not be acceptable

LANLP24   Maintain egg production

Evidence requirements

A.   compare normal and abnormal behaviour of the birds in the system and describe the appropriate action to take

Notes
Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP25   Collect, grade and prepare eggs for transport

Evidence requirements

A.   apply identification markings that are clear, accurate and in accordance with organisational requirements
(i)   site, house or flock code
(ii)   batch number
(iii) lay date

B.   identify and report any issues with egg quality including:
(i)   shell faults
(ii)   level of cleanliness

C.   monitor and maintain all the following storage conditions in accordance with organisational requirements:
(i)   temperature
(ii)   humidity

D.   describe ways in which eggs could be damaged and how it could be minimised:
(i)   poor handling
(ii)   soiling

(iii)   equipment faults and breakages

E.   when prepare eggs for transport check that identification markings contain the following information:
(i)   site, house or flock code
(ii)   batch number
(iii)   lay date

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP26   Receive and select eggs for hatching

Evidence requirements

A.   use the following equipment:
(i)   manual
(ii)   powered
(iii)   electronic
(iv)   safety
(v)   protective clothing
(vi)   transportation

B.   check eggs for the following signs of cleanliness:
(i)   physical cleanliness
(ii)   hygiene

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP27   **Prepare, load and incubate eggs**

Evidence requirements

A.   prepare the following aspects of the incubation area:
(i)   walls
(ii)   floors
(iii)   ceilings
(iv)   fixtures and fittings
(v)   fabric

B.   monitor and report on two of the following conditions of the incubator
       environment:
(i)   temperature
(ii)   humidity
(iii)   air quality

Notes

Where simulations are used to generate performance evidence, these should properly
reflect the requirements of real working situations.

LANLP28   **Hatch eggs and despatch poultry**

Evidence requirements

A.   demonstrate the correct maintenance of despatch equipment ready for   subsequent
use through:
(i)   preparation
(ii)   checks or adjustments
(iii)   hygiene

B.   monitor three the following environmental conditions:
(i)   temperature
(ii)   humidity
(iii)   air quality
(iv)   lighting

C.   prepare birds for transportation in the following ways:
(i)   medication or vaccination
(ii)   boxed

Notes
Where simulations are used to generate performance evidence, these should properly
reflect the requirements of real working situations.

LANLP29	Brood and grow young birds

Evidence requirements

A.   prepare the following aspects of the brooding area:
(i)   bedding
(ii)   restriction to heated area
(iii)   starter feed
(iv)   drinking containers
(v)   control equipment

B.   use the following types of equipment:
(i)   manual
(ii)   powered
(iii)   electronic

C.   state the common problems with the brooding and growth of young birds and describe the correct actions to take within the limits of their responsibility.
Problems to include:
(i)   faults in equipment
(ii)   abnormal birds
(iii   supply failure

D.   maintain housing and three of the following environmental conditions:
(i)   humidity
(ii)   dust and gas
(iii)   temperature
(iv)   ventilation
(v)   light

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANLP30	Monitor and maintain the preparation of birds for fertilisation

Evidence requirements

A.   ensure the following equipment is prepared, used and maintained in a safe and effective condition throughout:
(i)   manual
(ii)   powered
(iii)   measuring

B.   review the physical condition and behaviour of birds and their readiness for reproduction through:
(i)   appearance
(ii)   movement and behaviour

(iii)   reproductive cycle
(iv)   sexually transmitted diseases
(v)   physical abnormalities

Notes

Evidence from simulations is not acceptable for this element.

LANLP31   Monitor and maintain egg production

Evidence requirements

A.   explain the equipment and resources required to optimise bird welfare and production and how these should be monitored and maintained
(i)   feed
(ii)   ventilation
(iii)   equipment
(iv)   housing

Notes

Where simulations are used to generate performance evidence, these must properly reflect the requirements of the real work environment.

LANLP32   Monitor and maintain the collection and grading of eggs

Evidence requirements

A.   ensure identification markings are clear and according to organisational requirements
(i)   site, house or flock code
(ii)   batch number
(iii)   lay date

B   correctly identify problems with egg quality and take the appropriate action:
(i)   shell faults
(ii)   level of cleanliness

C   state how the egg collection system can damage eggs and how this is minimised covering:
(i)   poor handling
(ii)   soiling
(iii)   equipment faults and breakages

Notes
Where simulations are used to generate performance evidence, these must properly reflect the requirements of the real work environment.

LANLP33   **Monitor and maintain the receipt and selection of eggs for incubation and hatching**

Evidence requirements

A.   identify incoming eggs by:
(i)   date of lay
(ii)   source
(iii)   number and code

B.   set up and maintain the appropriate storage conditions:
(i)   temperature
(ii)   relative humidity

C.   determine egg quality based on:
(i)   age
(ii)   size
(iii)   shell
(iv)   lay date
(v)   appearance

D.   use and maintain two of the following equipment:
(i)   manual
(ii)   powered
(iii)   electronic
(iv)   measuring

Notes

Evidence from simulations is not acceptable for this element.

LANLP34   **Monitor and maintain the incubation of eggs**

Evidence requirements

A.   set up and maintain the following environmental conditions within the incubator in accordance with production requirements:
(i)   temperature
(ii)   humidity
(iii)   air quality

B.   identify any problems with the preparation and loading of incubators caused by the following:
(i)   equipment failure
(ii)   egg quality
(iii)   poor hygiene
(iv)   production timing

C. monitor and maintain the following aspects of the incubator environment in accordance with production requirements:
(i) temperature
(ii) humidity
(iii) air quality

Notes

Where simulations are used to generate performance evidence, these must properly reflect the requirements of the real work environment.

LANLP35   **Monitor and maintain the hatching and despatch of poultry**

Evidence requirements

A. set up and maintain the following environmental conditions within the hatchers:
(i) temperature
(ii) humidity
(iii) air quality
(iv) lighting

B. explain the types of production problems which may occur and how these should be rectified
(i) equipment failure
(ii) poor hygiene
(iii) environmental conditions

C. prepare the birds for despatch in the following ways:
(i) medication or vaccination
(ii) boxed

D. handle both of the following types of waste:
(i) organic
(ii) inorganic

Notes

Where simulations are used to generate performance evidence, these must properly reflect the requirements of the real work environment.

LANLP36	Monitor and maintain the brooding and growth of young birds

Evidence requirements

A.   prepare all of the following areas of housing for day old birds:
(i)   bedding
(ii)   restriction to heated area
(iii)   starter feed
(iv)   drinking containers
(v)   control equipment

B.   review and revise four of the following housing and environmental conditions to optimise the growth and development of the birds:
(i)   humidity
(ii)   dust and gas
(iii)   temperature
(iv)   ventilation
(v)   light

C.   explain the actions to be taken in the event of the following problems with the brooding of young birds
(i)   faults in equipment
(ii)   bird health
(iii)   supply failure

D.   explain how the growth and development of birds is maintained and optimised through the control of:
(i)   environmental conditions
(ii)   feed and water supply

Notes

Where simulations are used to generate performance evidence, these must properly reflect the requirements of the real work environment.

LANLP37	Collect, prepare and store semen for future use on livestock

Evidence requirements

A.   use at least two of the following types of equipment:
(i)   manual
(ii)   powered
(iii) measuring

B.   make adjustments to method due to:

(i) health of the livestock
(ii) condition of the product
(iii) equipment functioning
(iv) environmental conditions
(v) lighting
(vi) performance of the livestock
(vii) temperament of the livestock

C. prepare semen for storage at the correct temperature and in accordance with production specifications, taking into account:
(i) selection
(ii) labelling
(iii) keeping records
(iv) despatch

Notes

Evidence from simulations is not acceptable for this element.

LANLP38   Deliver artificial insemination to livestock

Evidence requirements

A   types of dilutent which could be used for each of the following:
(i)   fresh semen (same day use)
(ii)   3 day semen life
(iii) 6 day semen life

LANLP39   Introduce new livestock to a holding

Evidence requirements

Notes

LANLP40   Establish a honey bee hive

Evidence requirements

Notes

LANLP41	Monitor and maintain a honey bee hive

Evidence requirements

Notes

LANLP42	Collect products from honey bees

Evidence requirements

Notes

LANAgC1	Prepare and cultivate sites for planting

Evidence requirements

A   maintain equipment through:
(i)   preparation
(ii)   checks and adjustments
(iii) cleaning

B   prepare sites in one of the following ways:
(i)   drainage
(ii)   adjustment of nutrient
(iii) clearance

C   recognise and respond to the following relevant factors:
(i)   soil type and condition
(ii)   climate
(iii) weather and ground conditions
(iv)   previous treatments
(v)   existing structures and systems
(vi)   previous use

D   achieve the required ground conditions in terms of:
(i)   correct depth
(ii)   area covered
(iii) soil condition

Notes
Evidence from simulations is not acceptable for this element.

LANAgC2	Prepare planting equipment and plant crops

Evidence requirements

A   position seeds or plants taking into account:
(i)   density
(ii)   depth
(iii)   orientation where applicable

B   consider the following relevant factors:
(i)   soil type and condition
(ii)   weather
(iii)   ground conditions
(iv)   previous treatments
(iii)   time of year
(iv)   type of crop

Notes

Evidence from simulations is not acceptable for this element.

LANAgC3	Monitor and maintain the healthy growth of crops

Evidence requirements

A   maintain equipment through:
(i)   preparation
(ii)   checks and adjustments
(iii)   routine servicing
(iv)   cleaning
(v)   storage

B   monitor crops for:
(i)   desired healthy growth
(ii)   pests including birds, rabbits etc.
(iii)   diseases
(iv)   disorders

C   identify and remove two of the following types of unwanted vegetation:
(i)   competing vegetation
(ii)   hazardous vegetation
(iii)   excessive growth

D.   use nutrients from one of the following sources:
(i)   organic sources
(ii)   inorganic sources

Notes

Simulation is not permissible for this element.

The necessary action to minimise risks to crops may involve the preparation and application of chemicals to reduce the problem, or the bringing in of contractors to carry out such work.

Chemicals include pesticides, acids, additives and trace elements

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LANAgC4 Monitor and maintain the provision of nutrients to crops

Evidence requirements

A. apply agreed nutrients correctly to maintain the healthy growth of the crop. The nutrients should be either:
(i) organic or
(ii) in-organic

Notes

Evidence from simulations is not acceptable for this element.

LANAgC5 Harvest crops by mechanical means

Evidence requirements

A prepare machinery and equipment by carrying out the following:
(i) routine maintenance
(ii) check for damage and faults
(iii) check cleanliness
(iv) servicing

B make adjustments for two of the following:
(i) crop density
(ii) crop condition
(iii) prevailing weather
(iv) ground condition
(v) terrain
(vi) crop type

Notes

Evidence from simulations is not acceptable for this element.

<table>
<tr><td>LANAgC6</td><td>Store harvested crops</td></tr>
</table>

Evidence requirements

A   prepare the storage environment by:
(i)   cleaning the area
(ii)   making the layout suitable

B   minimise risks from two of the following pests:
(i)   rodents
(ii)   insects
(iii) birds

C   conduct two routine inspections for:
(i)   pests
(ii)   environmental conditions
(iii) crop condition

D   explain the type and condition of the storage environment necessary for a range
     of crops covering:
(i)   arable
(ii)   vegetables
(iii) fruit
(iv)   grass

Notes
Evidence from simulations is not acceptable for this element.

The necessary action to treat crops prior to storage may involve the preparation and application of chemicals to reduce the problem, or the bringing in of contractors to carry out such work.

For indoor storage areas - condition as required under insurance schemes

<table>
<tr><td>LANAgC7</td><td>Transport harvested crops</td></tr>
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Evidence requirements

A   deal with at least one of the following types of harvested crops:
(i)   combinable crops
(ii)   root crops
(iii) grass/forage
(iv)   vegetables
(v)   fruit
(vi)   plants

B   maintain equipment through:
(i)   preparation
(ii)   checks and adjustments
(iii) cleaning

C   use the following equipment:
(i)   manual
(ii) powered

Notes
Evidence from simulations is not acceptable for this element.

LANAgC8	Manage the production of novel crops

Evidence requirements

A   identify the different special novel crops in preparation for planting including:
(i)   oilseed crops
(ii) root crops
(iii) cereal/maize crop (including grass)

B.   use at least one of the following crop separation methods listed below:
(i)   physical barriers
(ii) physical distance
(iii) margin planting

C.   take the correct measures to minimise the risk of contamination by pests during storage including:
(i)   rodents
(ii) insects
(iii) birds

D.   the importance of knowing which crops are sexually compatible with other crops and weeds and how to control this covering:
(i)   cooperation with neighbours
(ii) appropriate weed control

E.   explain the importance of managing soil seed banks covering:
(i)   direct cutting
(ii) use of right desiccants
(iii) combining at the right time and in the right way
(iv) leaving time post harvest
(v)   cultivation and drilling times
(vi) the rotational implications of introducing the crop

Notes
Evidence from simulations is not acceptable for this element.

Novel crops include:
        Holl oil seed rape
        Hear oil seed rape
        GM crops
        Organic crops
        Olter HT (herbicide tolerant) crops

The unit covers separation distances, different types of barriers and methods required to prevent adventitious presence (cross contamination) and volunteer control.

LANAgC9	Analyse samples to identify seeds, pests, diseases and disorders
Evidence requirements	
Notes	

LANAgM1	Develop and implement plans for the storage, utilisation and disposal of organic by-products
Evidence requirements	
Notes	

LANAgM3	Plan and monitor the movement of animals
Evidence requirements A. the need for available resources: (i) locations/premises (ii) handling equipment (iii) skilled personnel (iv) transport	
Notes	

LANAgM4	Manage grassland and forage crops for livestock production systems
Evidence requirements	
Notes	

LANAgM5	Plan and manage forage harvesting and storage
Evidence requirements	
Notes	

LANAgM6	Monitor and maintain grassland and forage grazing plans
Evidence requirements	
Notes	

LANAgM25	Plan and manage the harvesting of crops and post harvest operations
Evidence requirements	
Notes	

LANAgM26	Plan and monitor the storage of harvested crops
Evidence requirements	
Notes	

LANCS2   Monitor and maintain health, safety and security

Evidence requirements

A.   you must provide performance evidence for evaluating risks resulting from a minimum of two of the following:
(i)   the use and maintenance of machinery or equipment
(ii)   the use of materials or substances
(iii)   working practices which do not conform to laid down procedures
(iv)   unsafe behaviour
(v)   accidental breakages and spillages
(vi)   environmental factors
(vii)   reporting accidents to self or other in accordance with work place practice

B   you must provide performance evidence for following a minimum of four types of workplace policies which cover:
(i)   the use of safe working methods and equipment
(ii)   the safe use of hazardous substances
(iii)   smoking, eating, drinking and drugs
(iv)   what to do in the event of an emergency
(v)   personal presentation

Notes

Evidence from performance is required and should be the primary source of evidence. However this will often be supported by questioning or other assessment methods in order to gather evidence of your ability to perform competently.

LANCS3   Promote, monitor and maintain health, safety and security

Evidence requirements

A.   evaluating risks resulting from a minimum of two of the following:
(i)   the use and maintenance of machinery or equipment
(ii)   the use of materials or substances
(iii)   working practices which do not conform to laid down procedures
(iv)   unsafe behaviour
(v)   accidental breakages and spillages
(vi)   environmental factors

B   follow a minimum of four types of workplace policies which cover:
(i)   the use of safe working methods and equipment
(ii)   the safe use of hazardous substances
(iii)   smoking, eating, drinking and drugs
(iv)   what to do in the event of an emergency
(v)   personal presentation

C   provide information, support and recommendations to two of the following people:
(i)   team members
(ii)   colleagues working at your level
(iii) higher-level managers or sponsors
(iv)   people outside your organisation

D   working conditions:
(i)   physical environment
(ii)   equipment
(iii) materials
(iv)   working procedures

Notes

Evidence from performance is required and should be the primary source of evidence. However this will often be supported by questioning or other assessment methods in order to gather evidence of your ability to perform competently.

LANCS5	**Maintain and store records within the workplace**

Evidence requirements

A.   take appropriate action to:
(i)   make corrections to the records
(ii)   recognise and report the errors to the appropriate person

Notes

Evidence from simulations is not acceptable for this element.

LANCS6	**Transport physical resources within the work area**

Evidence requirements

A.   transport the following physical resources:
(i)   products
(ii)   materials
(iii) equipment

B.   use one of the following forms of transportation:
(i)   vehicle
(ii)   manual

Notes

Evidence from simulations is not acceptable for this element.

LANCS7   Prepare and operate a tractor with attachments

Evidence requirements

A   pre-start checks to include:
(i)   routine maintenance
(ii)   routine safety checks

B   operator environment
(i)   seat adjustment
(ii)   mirror adjustment
(iii)   steering wheel position
(iv)   controls are free from obstruction

C   operate a tractor in at least two of the following ground conditions:
(i)   wet
(ii)   dry
(iii)   frost

D   use the vehicle on two of the following terrain:
(i)   hard surfaces
(ii)   soft surfaces
(iii)   slopes

E.   use at least two of the following attachments:
(i)   loaders
(ii)   trailers
(iii)   mounted implements

Notes

Evidence from simulations is not acceptable for this element.

LANCS8   Manage the preparation and operation of land-based machinery and attachments

Evidence requirements

A   select and use at the least three attachments include:
(i)   trailed
(ii)   mounted
(iii)   PTO operated
(iv)   hydraulic
(v)   fore end loader

B   consider at the least three key efficiency factors and make adjustments include:
(i)   gears
(ii)   hydraulics
(iii) tyre pressure
(iv) counter balance
(v)   ballasting
(vi) engine revs
(vii) use of performance monitoring equipment

Notes
Simulation is permissible for this element. Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations

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LANCS9   **Prepare and operate a power vehicle**

Evidence requirements

A.   operate a power vehicle in two of the following ground conditions:
(i)   wet
(ii)   dry
(iii) frost

B.   operate a power vehicle on two of the following terrain
(i)   hard surfaces
(ii)   soft surfaces
(iii) slopes

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANCS14   **Assist with maintaining structures and surfaces**

Evidence requirements

Notes

Evidence from simulations is not acceptable for this element.

LANCS15	Assist with maintenance of equipment and machinery

Evidence requirements

A equipment:
(i) manual
(ii) mechanical

Notes

LANCS16	Construct paths or surfaces

Evidence requirements

A. maintain the necessary equipment by:
(i) cleaning
(ii) storing
(iii) checking and adjusting

B. construction paths or surfaces with:
(i) fluid components
(ii) hard components

C. dispose of the following types of waste:
(i) organic
(ii) inorganic

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANCS17	Maintain and repair paths or surfaces

Evidence requirements

A. maintain the necessary equipment by:
(i) cleaning
(ii) storing
(iii) checking and adjusting

B. maintain paths with:
(i) fluid components

(ii)   hard components

C.   carry out the following maintenance:
(i)   clearing
(ii)   repairing

D.   dispose of the following types of waste:
(i)   organic
(ii)   inorganic

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANCS18   Construct structures

Evidence requirements

A.   interpret the specification in relation to the following categories:
(i)   security
(ii)   quality
(iii)   design
(iv)   construction

B.   maintain the necessary **equipment** by:
(i)   cleaning
(ii)   storing
(iii)   checking and adjusting

C.   manage the following waste:
(i)   organic
(ii)   inorganic

Notes

Evidence from simulations is not acceptable for this element.

LANCS19   Maintain and repair structures

Evidence requirements

A.   interpret the specification in relation to the following categories:
(i)   security
(ii)   quality
(iii)   design
(iv)   construction

B.   maintain the necessary **equipment** by:
(i)   cleaning
(ii)   storing
(iii)   checking and adjusting

C.   manage the following waste:
(i)   organic
(ii)   inorganic

Notes

Evidence from simulations is not acceptable for this element.

LANCS21   Maintain and repair boundaries or access points

Evidence requirements

A.   maintain and repair three of the following types of boundary or access points:
(i)   stone walls
(ii)   post and wire fences
(iii)   post and rail fences
(iv)   banks
(v)   gates
(vi)   stiles

B.   carry out the following types of equipment maintenance:
(i)   preparation
(ii)   checks and adjustments
(iii)   cleaning
(iv)   storage

C.   work to specifications which cover the following:
(i)   materials and resources
(ii)   timing and timescale of work
(iii)   working methods
(iv)   appropriate to local tradition

Notes

Simulations may be used to generate evidence of dealing with problems where naturally occurring evidence is not available. Where simulations are used to generate evidence, these should properly reflect the requirements of real working situations.

LANCS22   Co-ordinate the construction and maintenance of landbased site infrastructure

Evidence requirements

A   work to a **specification** which includes the following:
(i)   setting out and location
(ii)   materials and resources
(iii)   timing and timescales
(iv)   working methods
(v)   suitability of expected use and local tradition

B.   identify the following **special considerations** relating to path line:
(i)   health and safety
(ii)   environmental impact
(iii)   access
(iv)   site use
(v)   site drainage and soils
(vi)   site topography

C.   take the following **steps** to ensure others are not put at risk:
(i)   providing information (signs etc.)
(ii)   re-routing access away from unsafe areas
(iii)   speaking to others on site

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANCS25   Prepare for and maintain equipment and machines

Evidence requirements

A   prepare the following equipment and machines for maintenance:
(i)   manual
(ii)   mechanical

B   obtain and prepare the following tools used for carrying out maintenance:
(i)   hand tools
(ii)   power tools

LANCS26   Co-ordinate the maintenance and repair of equipment and machinery

Evidence requirements

A.   prepare a maintenance schedule\plan for the following equipment and machines at your place of work:
(i)   manual
(ii)   mechanical

B.   prepare the following equipment and machines:
(i)   manual
(ii)   mechanical

C.   prepare for the following maintenance:
(i)   routine
(ii)   breakdown

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.

LANCS27   Develop and implement plans to reduce and manage waste

Evidence requirements

A.   develop and implement plans for the disposal and management of waste in accordance with the following requirements:
(i)   organisational
(ii)   environmental
(iii)   legislative

B.   develop and implement plans for the disposal of both of the following types of waste:
(i)   organic
(ii)   inorganic

C.   take the following appropriate action when problems are identified:
(i)   resolve the problem
(ii)   report the problem

D. monitor and evaluate the storage and disposal of both of the following types of waste:
(i) organic
(ii) inorganic

E. monitor and evaluate the plans for storage and disposal of waste according to:
(i) resource use
(ii) adherence to legislation
(iii) production requirements

Notes

Evidence from simulations is not acceptable for this element.

LANCS31   Prepare and apply chemicals to control pests and diseases

Evidence requirements

A. obtain, set up and use the following **equipment**:
(i) application equipment
(ii) ancillary equipment
(iii) personal protective equipment

B. check that the following **procedures** have been put in place:
(i) transportation
(ii) storage
(iii) disposal
(iv) emergency
(v) incident reporting

C. explain how to deal with the following **problems** in an effective way:
(i) spillage
(ii) contamination of equipment and non-target areas
(iii) malfunction of equipment
(iv) adverse effects on non-target species
(v) changes in conditions which reflect on the relevance of the work plan
(vi) emergency

D. maintain and store the following **equipment**:
(i) application equipment
(ii) ancillary equipment
(iii) personal protective equipment

Notes

Evidence from simulations is not acceptable for this element.

LANCS32	Plan and manage the control of weeds, pests, diseases and disorders

Evidence requirements

A.   plans should specify the following:
(i)   control method(s) to be used (chemical, biological and/or cultural)
(ii)   timing
(iii) individuals involved
(iv) health and safety requirements
(v)   environmental protection measures

B.   plans should take account of the following criteria
(i)   crop
(ii)   cropping area
(iii) problem
(iv) market requirements

C.   implement at least two control methods in ways which minimise the risks to non-target species and the environment:
(i)   chemical
(ii)   biological
(iii) cultural

Notes

LANCS46	Develop plans to improve your marketing and sales for the land-based business

Evidence requirements

Notes

Evidence from simulations is not acceptable for this element.

LANCS47	Develop, negotiate and agree proposals to offer land-based services and products

Evidence requirements

Notes

Evidence from simulations is not acceptable for this element.

LANCS57   Prepare and operate a tractor

This standard covers:

A   pre-start checks to include:
(i)   routine maintenance
(ii) routine safety checks

B   operator environment
(i)   seat adjustment
(ii) mirror adjustment
(iii) steering wheel position
(iv) controls are free from obstruction

C   operate a tractor in at least two of the following ground conditions:
(i)   wet
(ii) dry
(iii) frost

D   use the vehicle on two of the following terrain:
(i)   hard surfaces
(ii) soft surfaces
(iii) slopes

Notes

Assessment to be based on naturally occurring evidence of realistic working environment

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LANCS59   Prepare and operate a powered vehicle with attachments

Evidence requirements

A   operate a power vehicle in two of the following ground conditions:
(i)   wet
(ii) dry
(iii) frost

B.   operate a power vehicle on two of the following terrain
(i)   hard surfaces
(ii) soft surfaces
(iii) slopes

C.   use one attachment from:
(i)   mounted equipment
(ii) trailed equipment

Notes
Assessment to be based on naturally occurring evidence of realistic working environment

LANCS61   **Maintain site hygiene and bio-security**

Evidence requirements

A.   use the following equipment:
(i)   mechanical
(ii)   manual
(iii)   special protective clothing and equipment

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real work situations.

LANCS62   **Implement and monitor site hygiene and bio-security**

Evidence requirements

A.   set up hygiene procedures for:
(i)   arrival on site
(ii)   on-site

B.   implement hygiene procedures for:
(i)   arrival on site
(ii)   on site
(iii)   protective clothing use

Notes

Evidence from simulations is not acceptable for this element.

LANCS63   **Select and move animals from one location to another**

Evidence requirements

A.   select livestock for transfer against four of the following criteria as appropriate:
(i)   size and weight
(ii)   age
(iii)   appearance
(iv)   number of livestock
(v)   condition
(vi)   destination
(vii)   records
(viii)   sex

B.   move livestock to at least one of the following locations:
(i)   another production area
(ii)   temporary waiting area

Notes

Where simulations are used to generate performance evidence, these should properly reflect the requirements of real work situations.

LANCS64   Prepare for the transportation of animals

Evidence requirements

A.   prepare the transportation in terms of:
(i)   cleanliness
(ii)   safety
(iii) security
(iv)   travel requirements of animals

B.   minimise the animals stress in relation to:
(i)   the number of animals to the size of the transporter
(ii)   environmental conditions

Notes

Evidence from simulations is not acceptable for this element.

LANCS65   Load and unload animals for transportation

Evidence requirements

A.   prepare the transportation in terms of:
(i)   cleanliness
(ii)   health and safety
(iii) security
(iv)   travel requirements of animals
(v)   environmental conditions

Notes

Evidence from simulations is not acceptable for this element.

LANCS66   Maintain the health and welfare of animals during transportation

Evidence requirements

A.   monitor animals for:
(i)   behaviour
(ii)   appearance
(iii)   bodily functions

Notes
Evidence from simulations is not acceptable for this element.

LANH14   Co-ordinate the provision of water for crops or plants

Evidence requirements

A.   make accurate adjustments to the following:
(i)   equipment
(ii)   water supply

B.   take the following appropriate action where problems occur:
(i)   remedy the situation
(ii)   inform the appropriate person

Notes
Evidence from simulations is not acceptable for this element.

LANH32   Maintain land drainage systems

Evidence requirements

A.   maintain three of the following types of drainage systems:
(i)   solid pipe
(ii)   perforated pipe
(iii)   sustainable drainage systems

B.   deal with both of the following types of problems:
(i)   blockages
(ii)   leaks

C.   use both of the following types of tools and equipment:
(i)   hand tools
(ii)   powered equipment

Notes
Evidence from simulations is not acceptable for this element.

LANH52   **Carry out post harvest operations**

Evidence requirements

A.   maintain equipment through:
(i)   preparation
(ii)   cleaning
(iii) storage

B.   harvest crops using one of the following methods:
(i)   manually
(ii)   mechanically

C.   use at least one of the following methods of preparation:
(i)   handling
(ii)   grading
(ii)   containering or labelling
(iv)   cleaning

Notes
Evidence from simulations is not acceptable for this element.

LANENC1   **Promote responsible public use of outdoor sites**

Evidence requirements

A.   communicate with the following audiences:
(i)   organised groups
(ii)   individual members of the general public
(iii) people with special interests or needs

B.   use the following types of communication:
(i)   formal
(ii)   informal

C.   provide the following types of care:
(i)   supporting people in terms of their safety and welfare
(ii)   providing information and advice

D.   deal with two of the following threats:
(i)   to the site and its contents
(ii)   to flora and fauna
(iii) Own personal health and safety
(iv)   Other peoples health and safety

Notes

Evidence from simulations is not acceptable for this element.

LANENC3   Survey and report on the condition of the environment

Evidence requirements

A.   collect and record data for surveys on at least two of the following (one of which must include (i), (ii) or (v)):
(i)   plants
(ii)   animals
(iii)   people
(iv)   physical features
(v)   habitat types
(vi)   access networks

B.   collect the following types of data:
(i)   quantitative
(ii)   qualitative

C.   investigate the following sources of data:
(i)   primary
(ii)   secondary

D.   report on at least three of the following(one of which must include (i), (ii) or (v)):
(i)   plants
(ii)   animals
(iii)   people
(iv)   physical features
(v)   habitat types
(vi)   access networks

E.   report to at least two of the following:
(i)   line manager
(ii)   colleagues
(ii)   a specialist

Notes

Evidence from simulations is not acceptable for this element.