

# LANLP3 SQA Unit Code H5AX 04

## Establish and confirm pregnancy in livestock

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### Overview

This standard covers the establishment and confirmation of pregnancy in livestock through natural methods and by artificial insemination. Reproduction of livestock is an essential part of many livestock enterprises.

When working with livestock or machinery you need to be appropriately trained in line with current legislation, and hold a relevant award where appropriate.

This standard is suitable for those responsible for establishing and confirming pregnancy in the land-based and environmental sector.

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### Performance criteria

- You must be able to:*
- P1 carry out all work in accordance with relevant environmental and health and safety legislation, risk assessment requirements, codes of practice and company policies
  - P2 select, prepare, use and maintain tools, equipment and materials that are appropriate for the work, safely and affectively
  - P3 monitor the physical conditions of livestock ensuring selected stock are at the correct condition score for breeding
  - P4 prepare livestock for breeding in line with breeding plans
  - P5 monitor livestock for signs of oestrous prior to breeding
  - P6 gather animals in the designated area
  - P7 use appropriate methods to establish fertilization/pregnancy
  - P8 maintain suitable levels of hygiene and bio-security
  - P9 monitor livestock for signs of oestrous after service
  - P10 check and confirm pregnancy in accordance with specification and take appropriate action
  - P11 deal with waste safely and correctly in accordance with instructions
  - P12 ensure appropriate records are maintained and stored as required by relevant legislation and the organisation

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### Knowledge and understanding

*You need to know and understand:*

- K1 the anatomy of male and female reproductive systems
- K2 types of tools, equipment and machinery required for breeding and how to prepare, maintain and use these safely and effectively, including the use of new technology
- K3 how nutritional and health conditions could affect conception and pregnancy, including the importance of maintaining/achieving correct body condition at each stage
- K4 different methods of establishing fertilization and/or pregnancy in different species of livestock
- K5 how to identify livestock which are suitable for breeding and their methods of preparation
- K6 factors which influence conception rates
- K7 livestock breeding cycles and signs of oestrus
- K8 how environmental conditions can affect the breeding cycle of livestock
- K9 the different methods to check and monitor for pregnancy and the actions to take if livestock are confirmed to be pregnant/not pregnant
- K10 how to deal with unplanned pregnancies
- K11 appropriate records to be kept and how long they should be retained
- K12 the importance of maintaining hygiene and bio-security during reproduction, and the methods for achieving this
- K13 how to deal with the different types of waste produced by the breeding of livestock
- K14 your responsibilities under livestock welfare, environmental, health and safety current legislation and codes of practice

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#### Glossary

Identifying desirable traits in the: male line, female line, different breeds kept

Determining the timing of mating dependent on: season, age of animal, stage of oestrous cycle

Achieving pregnancy: Artificial insemination, Natural, Embryo Transfer

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<b>Developed by</b>	Lantra
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<b>Version number</b>	4.0
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<b>Date approved</b>	January 2013
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<b>Indicative review date</b>	January 2018
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<b>Validity</b>	Current
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<b>Status</b>	Original
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<b>Originating organisation</b>	Lantra
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<b>Original URN</b>	LANLP9
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<b>Relevant occupations</b>	Farmer; Pig Farm Worker; General Farm Worker; Poultry Farm Worker; Agricultural Technical Advisor
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<b>Suite</b>	Livestock Production
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<b>Key words</b>	animal; birth; breeding; fertilization; natural; artificial; reproduction; cycle; embryo;
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