

**Modification history**

Release	Comments
Release 2	This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 7.0.
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0.

AHCLSK411	Supervise natural mating of livestock
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to prepare for, implement and supervise the natural mating of livestock.</p> <p>The unit applies to individuals who apply specialist skills and knowledge to supervise natural mating of livestock. This includes applying and communicating non-routine technical solutions to predictable and unpredictable problems.</p> <p>All work must be carried out to comply with workplace procedures, health and safety in the workplace requirements, animal welfare legislative, regulatory and codes of practice requirements, and sustainability and biosecurity practices.</p> <p>In addition to legal responsibilities, all units of competency dealing with animals in the AHC Training Package have the requirements for animals to be handled humanely to minimise stress and discomfort.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Livestock (LSK)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare animals for breeding	1.1 Access and confirm workplace breeding program requirements and relevant animal data 1.2 Determine sire fertility status prior to joining where applicable 1.3 Identify hazards and assess risks in the workplace, and implement control measures to manage risks while working with livestock according to workplace health and safety procedures 1.4 Identify and prepare joining areas using a range of selection factors 1.5 Handle animals safely and humanely to minimise stress and discomfort according to industry and workplace animal welfare practices 1.6 Draft animals according to mating plan and in appropriate ratios to encourage optimum mating 1.7 Determine and meet sire requirements in advance of mating 1.8 Prepare and examine animals for mating
2. Implement breeding program and monitor mating	2.1 Access veterinary advice according to animal needs, workplace requirements and industry practice 2.2 Identify and schedule dates and timing of breeding 2.3 Carry out physical examination of animals to evaluate health and welfare status of animals 2.4 Observe behaviour of animals during joining to identify necessity of intervention and assistance 2.5 Provide assistance as required

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Complete breeding program	3.1 Remove sires from herd, mob or flock where required 3.2 Arrange for pregnancy testing to determine the effectiveness of joining 3.3 Record and document data to develop history of mating performance and outcomes 3.4 Research industry information of emerging and prevailing practices and compare with workplace practice to recommend future improvements

<b>Foundation Skills</b>	
<i>This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.</i>	
<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Identify and interpret textual information from a range of sources to identify relevant and key information about livestock care and mating activities and research emerging and prevailing practices</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Use clear language, accurate industry terminology and logical structure to prepare mating record data and documents</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Use clear language with veterinarian to seek advice</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHCLSK411 Supervise natural mating of livestock Release 2	AHCLSK411 Supervise natural mating of livestock Release 1	Minor changes to application minor changes to performance criteria foundation skills added assessment requirements updated	Equivalent

<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>
--------------	--

<b>TITLE</b>	<b>Assessment requirements for AHCLSK411 Supervise natural mating of livestock</b>
--------------	--

<b>Performance Evidence</b>
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.          There must be evidence that the individual has supervised natural mating of livestock to pregnancy and has:</p> <ul style="list-style-type: none"> <li>• monitored livestock for breeding soundness and fertility</li> <li>• prepared animals for joining</li> <li>• monitored joining activity and return to oestrus</li> <li>• collected and checked poultry eggs for fertility where applicable</li> <li>• accessed, interpreted and recorded data associated with mating program</li> <li>• implemented relevant workplace health and safety and environmental and biosecurity legislation, regulations, and workplace procedures</li> <li>• implemented relevant animal welfare policies and practices.</li> </ul>

<b>Knowledge Evidence</b>
<p>An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:</p> <ul style="list-style-type: none"> <li>• workplace requirements applicable to health and safety in the workplace for supervising natural mating of livestock</li> <li>• environment and biosecurity legislation and regulations and workplace practices relevant to supervising natural mating of livestock</li> <li>• principles and practices for supervising natural mating of livestock, including:             <ul style="list-style-type: none"> <li>• mating behaviour</li> <li>• anatomy and physiology of the reproductive organs and reproductive process in animals</li> <li>• required live weights and conditions for mating</li> <li>• environmental influences and their effects on joining</li> <li>• ovulation stimulation and synchronisation</li> <li>• workplace breeding programs and selection criteria, including Estimated Breeding Values (EBV) and Australian Sheep Breeding Values (ASBV)</li> <li>• pregnancy testing and scanning procedures</li> <li>• animal health and abnormalities</li> <li>• animal welfare industry standards, legislation, codes of practice and procedures relevant to supervising natural mating of livestock</li> <li>• workplace and industry policies regarding mating recording and reporting requirements</li> <li>• identification of veterinary and non-veterinary procedures.</li> </ul> </li> </ul>

<b>Assessment Conditions</b>
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions:             <ul style="list-style-type: none"> <li>• a workplace setting or an environment that accurately represents workplace conditions</li> </ul> </li> <li>• resources, equipment and materials:             <ul style="list-style-type: none"> <li>• work instructions and workplace procedures applicable to supervising natural mating of livestock</li> <li>• livestock sires and females</li> <li>• materials, tools and equipment applicable to supervising natural mating of livestock</li> </ul> </li> <li>• specifications:             <ul style="list-style-type: none"> <li>• workplace requirements applicable to health and safety in the workplace for supervising natural mating of livestock</li> <li>• environment and biosecurity legislation and regulations and workplace practices applicable to supervising natural mating of livestock</li> <li>• industry standards, legislation and codes of practice and procedures for animal welfare applicable to supervising natural mating of livestock</li> </ul> </li> <li>• relationships:             <ul style="list-style-type: none"> <li>• veterinarian</li> </ul> </li> <li>• timeframes:</li> </ul>

<b>Assessment Conditions</b>	
<ul style="list-style-type: none"><li>• according to job requirements.</li></ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>