



**Australian Government**

# **RGRHBR405 Supervise natural horse mating program**

**Release: 1**

# RGRHBR405 Supervise natural horse mating program

## Modification History

| Release   | Comments                                                                         |
|-----------|----------------------------------------------------------------------------------|
| Release 1 | This version released with RGR Racing and Breeding Training Package Version 3.0. |

## Application

This unit of competency describes the skills and knowledge required to make arrangements for natural mating based on reproductive histories and observations of reproductive behaviour in horses.

The unit applies to individuals who use specialised knowledge and skills, have responsibility for a work activity, area or team, and provide and communicate solutions for a range of predictable and sometimes unpredictable problems in the horse breeding sector.

No licensing or certification requirements apply to this unit at the time of publication.

Work health and safety and animal welfare legislation relevant to interacting with horses applies to workers in this industry. Requirements vary between industry sectors and state/territory jurisdictions. Users are advised to check with the relevant authority for specific requirements.

## Pre-requisite Unit

The prerequisite unit of competency for this unit is:

- ACMEQU202 Handle horses safely.

Note the following chain of prerequisites that also applies to this unit.

| Unit of competency             | Prerequisite requirement                     |
|--------------------------------|----------------------------------------------|
| ACMEQU202 Handle horses safely | ACMEQU205 Apply knowledge of horse behaviour |

## Unit Sector

Horse Breeding (HBR)

## Elements and Performance Criteria

| 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. Make arrangements for natural mating                  | 1.1 Check breeding records for stallion and mare reproductive histories<br>1.2 Select breeding stallions and mares for natural mating based on breeding history and other workplace records<br>1.3 Bring animals into optimal breeding condition by providing and adjusting nutrition and exercise<br>1.4 Assess breeding health and conformation of stallions and mares, and take action to maximise fertility and breeding performance<br>1.5 Prepare facilities and equipment for natural mating             |
| 2. Monitor reproductive behaviour in stallions and mares | 2.1 Observe stallion behaviour for signs of reproductive activity and factors that can reduce fertility, and make arrangements for collecting semen according to workplace procedures<br>2.2 Collect and analyse semen to assess fertility, and store to maintain viability<br>2.3 Observe mare behaviour for signs of oestrus and determine timing for natural mating<br>2.4 Manipulate oestrus to meet breeding program and other requirements<br>2.5 Manage stallion breeding schedule to maximise fertility |
| 3. Complete records                                      | 3.1 Maintain workplace records according to workplace requirements<br>3.2 Ensure rules of breed registries and equine disciplines are adhered to                                                                                                                                                                                                                                                                                                                                                                |

## Foundation Skills

*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.*

| Skill   | Description                                                                                                                                           |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reading | <ul style="list-style-type: none"> <li>Select and collate relevant information from individual horse records to determine breeding options</li> </ul> |

| Skill                      | Description                                                                                                                                                                                                                                                                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Numeracy                   | <ul style="list-style-type: none"> <li>Calculate dates and timing of reproductive activity to determine booking and administrative arrangements</li> </ul>                                                                                                                                                                                             |
| Navigate the world of work | <ul style="list-style-type: none"> <li>Follow regulatory and workplace procedures, including work health and safety, safe horse handling, infection control and biosecurity, and animal welfare requirements, associated with own role and natural mating program</li> </ul>                                                                           |
| Get the work done          | <ul style="list-style-type: none"> <li>Plan and sequence tasks, including monitoring activity and prioritising tasks to coordinate natural mating program</li> <li>Make decisions about routine activities, taking responsibility for actions taken</li> <li>Use workplace technology, tools and/or systems to complete records and reports</li> </ul> |

## Unit Mapping Information

| Code and title current version                      | Code and title previous version                     | Comments                                                                                                                                                                                                             | Equivalence status |
|-----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| RGRHBR405<br>Supervise natural horse mating program | ACMHBR405<br>Supervise natural horse mating program | <p>Code changed to reflect appropriate industry sector usage</p> <p>Minor changes and new performance criteria 2.5 for clarity</p> <p>Removal of points duplicating performance criteria in performance evidence</p> | Equivalent unit    |

## Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5c4b8489-f7e1-463b-81c8-6ecce6c192a0>

# Assessment Requirements for RGRHBR405 Supervise natural horse mating program

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## Performance Evidence

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 a natural horse mating program over one breeding season, including:
  - selected stallions and mares for breeding
  - facilitated natural mating arrangements and maintained workplace records.

## Knowledge Evidence

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:

- principles and practices for recognising horse reproductive behaviour, including:
  - application of basic genetic theory to the development of an organisational breeding strategy and long-term planning
  - basic genetic theories
- sexual and reproductive behaviour of horses:
  - normal sexual behaviour of the stallion
  - reproductive behaviour of mares
  - seasonal breeding habits of mares and stallions
  - factors that may reduce fertility of stallions and mares
- principles and practices for supervising natural mating, including:
  - anatomy and physiology of the reproductive organs and reproductive processes in horses
  - breeding principles
  - ovulation stimulation and synchronisation
  - purpose of breeding records
  - resource requirements

- semen collection and analysis
- biosecurity related to sexually transmitted infections and diseases
- workplace procedures relating to infection control, hygiene and biosecurity
- workplace and industry record keeping requirements.

## Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
  - a workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - various mares and stallions in breeding program assessed as suitable for handling for the experience and skill of the individual
  - breeding histories and relevant reproductive information about individual mares and stallions
- specifications:
  - work instructions, booking and administrative arrangements.

Training and assessment strategies must show evidence of the use of guidance provided in the *Companion Volume: User Guide: Safety in Equine Training*.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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