

Title	Demonstrate knowledge of reproduction and teasing, and handle mares during the mating process		
Level	3	Credits	10

Purpose	People credited with this unit standard are able to: demonstrate knowledge of the mare's and stallion's reproductive system, and the mare's oestrous cycle, and artificial insemination (AI); describe options for identifying oestrus, the behavioural signs of a mare in oestrus and not in oestrus, and medication used to assist ovulation; describe contamination and consequences of contamination for the stud farm; and handle mares during the mating process.
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Classification	Equine > Equine Husbandry
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to:
 - Health and Safety at Work Act 2015; and any subsequent amendments.
- 2 Definition

Workplace procedures are the documented policies and practices for safety and procedures within a particular workplace, and are consistent with the Code of Welfare: Horses and Donkeys (2018) available at <https://www.mpi.govt.nz/dmsdocument/11003-horses-and-donkeys-code-of-welfare>.
- 3 For the purposes of assessment:
 - evidence for the practical components of this unit standard must be supplied from the workplace.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the mare's and stallion's reproductive system, and the mare's oestrous cycle.

Performance criteria

- 1.1 Identify and describe parts of the mare's reproductive system in terms of their functions.
- Range includes but is not limited to – uterus, ovaries, oviduct, uterine horn, uterine body, cervix, vagina, vulva.
- 1.2 Identify and describe parts of the stallion's reproductive system in terms of their functions.
- Range includes but is not limited to – scrotum, testicles, penis, epididymis, urethra, semen.
- 1.3 Describe the mare's oestrous cycle in terms of the behavioural signs, and reasons for variations.
- Range time of year, effect of daylight and artificial light, transitional state of mares, duration, hormonal influences, effect of foal heat.

Outcome 2

Demonstrate knowledge of artificial insemination (AI).

Performance criteria

- 2.1 Describe procedures for the collection of semen, and fertility rates associated with sample types.
- Range semen – fresh, chilled, frozen.
- 2.2 Describe AI in terms of the process.
- 2.3 Identify two breed associations that allow AI.
- 2.4 Identify and describe the advantages and disadvantages of AI for commercial equine breeding industries.
- Range evidence of two advantages and two disadvantages is required.

Outcome 3

Describe options for identifying oestrus, the behavioural signs of a mare in oestrus and not in oestrus, and medication used to assist ovulation.

Performance criteria

- 3.1 Describe options for identifying oestrus in terms of the procedures.
- Range teasing, scanning, group observation.

3.2 Describe the behavioural signs of mares in oestrus and not in oestrus.

Range types of mares include – maiden, shy, non-cycling.

3.3 Describe medication used to assist ovulation.

Outcome 4

Describe contamination and consequences of contamination for the stud farm.

Performance criteria

4.1 Describe contamination in terms of the ways it can spread, and control methods.

Range not isolating incoming horses, poor hygiene, cross contamination of gear, failure to vaccinate.

4.2 Describe the consequences of spread of disease for a stud farm.

Range evidence of two consequences is required.

Outcome 5

Handle mares during the mating process.

Performance criteria

5.1 Catch, restrain, and present mares to determine stage of oestrus cycle in accordance with workplace procedures.

5.2 Observe mare's behaviour in accordance with workplace procedures.

5.3 Carry out safe handling procedures during the teasing process in accordance with workplace procedures.

5.4 Carry out procedures to prevent and control the spread of reproductive diseases during mating in accordance with workplace procedures.

5.5 Restrain mares in the crush for pregnancy testing in accordance with workplace procedures.

Replacement information	This unit standard replaced unit standard 1634.
Planned review date	31 December 2025

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 May 2020	N/A

Consent and Moderation Requirements (CMR) reference

0018

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Primary ITO standards@primaryito.ac.nz if you wish to suggest changes to the content of this unit standard.