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| Title | Implement and monitor pig breeding, feeding and health programmes in a pork production operation | | |
| Level | 4 | Credits | 14 |

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| Purpose | People credited with this unit standard are able to implement and monitor: an oestrus detection programme for the pig breeding herd and maintain records; predetermined mating programmes for the breeding herd, and maintain records; feeding programmes for the breeding herd; and, health programmes for the breeding herd, and maintain records. They are also able to monitor the temperature and ventilation for the area in which the breeding herd is kept, identify problems, and take remedial action; and identify and select stock for culling. |
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| Classification | Pork Production > Pork Production Unit Management |
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| Available grade | Achieved |
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Guidance Information

1 All evidence presented in this unit standard must be in accordance with:

- Veterinary guidelines;
 - Workplace procedures;
 - Agricultural Compounds and Veterinary Medicines Act 1997;
 - Code of Welfare: Pigs 2018;
 - Biosecurity Act 1993
 - Health and Safety at Work Act 2015;
- and any subsequent amendments.

2 Definitions

The use of terminology *mating* and *insemination* are interchangeable.

Mating includes both natural mating and artificial insemination.

Programme – the husbandry and management procedures required for feeding, maintaining health, housing and welfare of pigs for example, standard operating procedures.

Veterinary guidelines – advice received directly from veterinarians, or literature recommended by veterinarians.

Workplace procedures refer to the policies and procedures set by the employer or organisation on workplace safety, and conduct.

Mating includes natural mating and artificial insemination.

Outcomes and performance criteria

Outcome 1

Implement and monitor an oestrus detection programme for the pig breeding herd, and maintain records.

Performance criteria

- 1.1 Implement and monitor an oestrus detection programme that identifies sows and gilts in oestrus at the earliest sign.
- 1.2 Implement management practices that ensure a prompt return to oestrus for newly weaned sows, and predetermined targets are achieved.
- Range management practices must include nutrition, environment, housing, boar contact; evidence is required for three.
- 1.3 Implement management practices to ensure replacement gilts are in oestrus to meet herd replacement requirements, and predetermined targets are achieved.
- Range management practices include nutrition, environment, housing, gilt age and weight, number of oestrus cycles, boar contact and rotation; evidence is required for three.
- 1.4 Identify anoestrus sows and gilts and implement any remedial action.
- 1.5 Identify sows returning to oestrus or which are non-pregnant following first mating, and implement any remedial action.
- 1.6 Maintain weaning, oestrus detection and mating dates, and health records according to the programme.

Outcome 2

Implement and monitor predetermined mating programmes for the breeding herd, and maintain records.

Performance criteria

- 2.1 Implement a mating programme that achieves predetermined productivity targets.
- Range weekly sow and replacement gilt mating targets; age, weight and oestrus number of gilt; weaning to mating interval; timing and number of mating's; percentage of sows returning to oestrus or found non pregnant at or near term; conception rate, farrowing rate, boar usage, litter size at birth, boar selection; evidence is required for five.

- 2.2 Implement mating procedures for replacement gilts and newly weaned sows.
- 2.3 Implement management practices that minimise stress and maximise implantation of fertilised ova in newly mated animals.
- Range nutrition, environment, housing, handling, mixing stock; evidence is required for three.
- 2.4 Maintain mating records.

Outcome 3

Implement and monitor feeding programmes for the breeding herd.

Performance criteria

- 3.1 Implement a feeding programme that matches feed levels and diet specifications with class of stock, stage of production, body condition, and predetermined productivity targets.
- 3.2 Monitor breeding stock feeding and drinking behaviour, identify problems, and implement remedial action.
- 3.3 Monitor body condition of breeding stock, identify breeding stock with body condition outside target levels, and implement remedial action.
- 3.4 Monitor feeding and watering systems, identify problems, and implement adjustments to meet breeding stock requirements in accordance with the planned feeding programme.

Outcome 4

Implement and monitor health programmes for the breeding herd, and maintain records.

Performance criteria

- 4.1 Implement preventative health procedures.
- Range vaccination, parasite control, medication, vermin control, hygiene, biosecurity; evidence is required for five.
- 4.2 Diagnose health problems in the breeding herd with reference to all symptoms and signs.
- 4.3 Treat ill breeding stock using medication appropriate to the diagnosis.
- 4.4 Implement contingency plans in the event of health breakdown or disease outbreak.
- 4.5 Maintain health records.

Outcome 5

Monitor the temperature and ventilation for the area in which the breeding herd is kept, identify problems, and take remedial action.

Performance criteria

- 5.1 Monitor the temperature and ventilation of the area in which the breeding herd is kept .and observe breeding stock behaviour and physical conditions.
- 5.2 Identify temperature and ventilation problems and take remedial action.

Outcome 6

Identify and select stock for culling.

Performance criteria

- 6.1 Identify the criteria on which culling decisions are based.
- 6.2 Analyse sow and boar performance records and identify candidates for culling on the basis of their reproductive performance.
- 6.3 Check pig breeding stock for signs of disease and physical deficiencies, and identify candidates for culling.
- 6.4 Implement culling criteria and treatment withholding times.

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| Planned review date | 31 December 2023 |
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Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|--------------|---------|------------------|--------------------------|
| Registration | 1 | 28 February 2019 | N/A |

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| Consent and Moderation Requirements (CMR) reference | 0052 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Primary Industry Training Organisation standards@primaryto.ac.nz if you wish to suggest changes to the content of this unit standard.