

## PRODUCE PIG STOCK

ISCED UNIT CODE: 0811 251 02 A

TVETCDACC UNIT CODE: AGR/OS/PP/CR/02/3/MA

### UNIT DESCRIPTION

This unit covers the competencies required to produce pig stock. It involves implementing a pig breeding program, carrying out routine pig stock management practices as well as herd health management and biosecurity practices.

This standard applies in the pig production industry.

### ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
These describe the key outcomes that makeup workplace function.	These are assessable statements that specify the required level of performance for each of the elements.  <i><b>Bold and italicized terms are elaborated in the Range.</b></i>
1. Implement the pig breeding program	1. 1 Breeding requirements are identified as per workplace production goals 1. 2 Resources to support breeding requirements are identified and gathered based on the enterprise objectives as per workplace instructions 1. 3 Breeding options are selected to optimize results and consistency as per the pig breeding program 1. 4 Breeding program is executed to meet workplace objectives
2. Carry out routine pig stock management practices	2.1 <i><b>Routine pig stock management practices</b></i> are carried out based on good animal husbandry management guidelines and workplace instructions as per standard operating procedures. 2.2 Pigs are handled in due regard of their welfare as per <i><b>animal welfare regulations</b></i> , good animal husbandry management guidelines and workplace instructions. 2.3 Routine management practices records are kept and maintained as per good animal husbandry management guidelines and workplace instructions.

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
These describe the key outcomes that makeup workplace function.	These are assessable statements that specify the required level of performance for each of the elements.  <i><b>Bold and italicized terms are elaborated in the Range.</b></i>
3. Carry out health management and bio-security practices	<p>3.1 <i><b>Pig stock health management practices</b></i> are carried out based on animal health management and good animal health management guidelines, animal welfare practices, workplace instructions, and <i><b>legal requirements</b></i> as per standard operating procedures.</p> <p>3.2 <i><b>Pig farm bio-security practices</b></i> are carried out based on good animal husbandry management guidelines, animal welfare practices, workplace instructions and legal requirements as per standard operating procedures.</p> <p>3.3 Pig herd health management records are kept and maintained as per good animal health management guidelines, workplace instructions and organization policy.</p>

## RANGE OF VARIABLES

This section provides work environments and conditions to which the performance criteria apply. It allows for different work environments and situations that will affect performance.

<b>VARIABLE</b>	<b>RANGE</b>
1. Routine pig stock management practices May include but are not limited to:	<ul style="list-style-type: none"> <li>• Teeth clipping</li> <li>• Docking</li> <li>• Iron injection</li> <li>• Weaning</li> <li>• Weighing</li> <li>• Feeding</li> <li>• Deworming</li> <li>• Watering</li> <li>• Identification</li> <li>• Castration</li> <li>• Fattening</li> <li>• Flushing</li> <li>• Steaming up</li> <li>• Serving/mating</li> <li>• Farrowing</li> </ul>

VARIABLE	RANGE
2. Animal welfare regulations May include but not limited to:	<ul style="list-style-type: none"> <li>• KVB</li> <li>• KSPCA</li> <li>• OIE</li> </ul>
3. Pig stock health management practices May include but not limited to:	<ul style="list-style-type: none"> <li>• Endo-parasite control (deworming)</li> <li>• Ecto-parasite control (acaricide spray)</li> <li>• Disease control (preventive and curative)</li> <li>• Feeding</li> <li>• housing</li> </ul>
4. Legal requirements May include but not limited to:	<ul style="list-style-type: none"> <li>• Bio-safety Act No. 2 of 2009</li> <li>• Animal welfare Act Cap 360</li> <li>• Animal disease Act Cap 364</li> <li>• Animal movement permit</li> </ul>
5. Pig farm bio-security practices May include but not limited to:	<ul style="list-style-type: none"> <li>• Foot bath</li> <li>• Quarantine</li> <li>• Pen disinfection</li> <li>• Equipment sterilization</li> <li>• Fencing</li> <li>• PPEs</li> <li>• Agripreneurship</li> </ul>

## REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit of competency.

### Required Skills

The individual needs to demonstrate the following skills:

- Communication
- Analytical
- Problem-solving
- Decision making
- Critical thinking
- Equipment operation
- Routine management skills
- Health management skills
- Pig handling skills
- Record keeping

- Computing skills

### **Required knowledge**

The individual needs to demonstrate knowledge of:

- Data collection methods
- Common pig diseases, their prevention and control measures
- Bio-security measures in a pig farm
- Pig management tools and equipment
- Legal aspects related to livestock production
- Agro ecological zones
- Production systems
- Housing
- Pig breeds
- Sources of pig breeds
- Feeds and feeding requirements
- Costing
- Routine pig management practices
- Marketing

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### **EVIDENCE GUIDE**

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, and range.

1. Critical aspects of Competency	<p>Assessment requires evidence that the candidate:</p> <ol style="list-style-type: none"> <li>1. 1 Identified Breeding requirements as per workplace production goals</li> <li>1. 2 Identified and gathered resources to support breeding requirements based on the enterprise objectives as per workplace instructions</li> <li>1. 3 Selected breeding options as per the pig breeding program</li> <li>1. 4 Breeding program is executed to meet workplace objectives</li> <li>1. 5 Carried out routine pig stock management practices timely, correctly, and appropriately.</li> <li>1. 6 Handled pig stock appropriately.</li> <li>1. 7 Kept and maintained appropriate routine management records.</li> <li>1. 8 Carried out pig stock health management practices timely, correctly and appropriately.</li> <li>1. 9 Carried out bio-security practices timely, correctly and appropriately.</li> <li>1. 10 Kept and maintained appropriate herd health management records.</li> <li>1. 11 Demonstrated understanding of legal requirements related to livestock production.</li> <li>1. 12 Demonstrated understanding of herd health management practices.</li> <li>1. 13 Demonstrated understanding of routine management practices.</li> <li>1. 14 Demonstrated understanding of bio-security practices.</li> <li>1. 15 Demonstrated understanding of common pig diseases and their management.</li> </ol>
2. Resource Implications for competence certification	<p>The following resources <b>MUST</b> be provided:</p> <ol style="list-style-type: none"> <li>2.4 Access to relevant workplace where assessment can take place</li> <li>2.5 Appropriately simulated environment where assessment can take place</li> <li>2.6 Materials relevant to the proposed activity or tasks</li> </ol>
3. Methods of Assessment	<p>Competency may be assessed through:</p> <ol style="list-style-type: none"> <li>3.1 Observation</li> <li>3.2 Written test</li> <li>3.3 Interview</li> </ol>

	3.4 Oral questions 3.5 Third party report
4. Context for Assessment	Assessment may be conducted in:  4.1 On-the-job 4.2 Off-the-job 4.3 Workplace attachment
5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.

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