

## 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

<b>ELEMENT</b> These describe the key outcomes that makeup workplace function.	<b>PERFORMANCE CRITERIA</b> 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>

<b>VARIABLE</b>	<b>RANGE</b>
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

## EVIDENCE GUIDE

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

<p>1. Critical aspects of Competency</p>	<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</li> </ol>
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	<p>related to livestock production.</p> <p>1. 12 Demonstrated understanding of herd health management practices.</p> <p>1. 13 Demonstrated understanding of routine management practices.</p> <p>1. 14 Demonstrated understanding of bio-security practices.</p> <p>1. 15 Demonstrated understanding of common pig diseases and their management.</p>
2. Resource Implications for competence certification	<p>The following resources <b>MUST</b> be provided:</p> <p>2.4 Access to relevant workplace where assessment can take place</p> <p>2.5 Appropriately simulated environment where assessment can take place</p> <p>2.6 Materials relevant to the proposed activity or tasks</p>
3. Methods of Assessment	<p>Competency may be assessed through:</p> <p>3.1 Observation</p> <p>3.2 Written test</p> <p>3.3 Interview</p> <p>3.4 Oral questions</p> <p>3.5 Third party report</p>
4. Context for Assessment	<p>Assessment may be conducted in:</p> <p>4.1 On-the-job</p> <p>4.2 Off-the-job</p> <p>4.3 Workplace attachment</p>
5. Guidance information for assessment	<p>Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.</p>