

**Modification history**

Release	Comments
Release 2	This version released with ACM Animal Care and Management Training Package Version 4.0.
Release 1	This version released with ACM Animal Care and Management Training Package Version 1.0.

ACMCAN406	Assist in establishing and maintaining a plantation
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to assist other personnel, such as horticulturists, to establish and maintain a plantation for animal feed requirements.</p> <p>This unit applies to senior team members with zoo keeping, wildlife care or related experience who generally supervise others and provide and communicate solutions to a range of predictable and unpredictable problems. Tasks may vary in scale from individual animal welfare to social group management, working across a range of programs and/or animal groups in the facility's collection.</p> <p>All work must be carried out to comply with workplace procedures according to state/territory health and safety and animal welfare regulations, legislation and standards that apply to the workplace.</p> <p>No licensing, legislative or certification requirements are known to apply to this unit at the time of publication.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Captive Animals (CAN)

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. Assist with establishing and maintaining a zoological plantation	1.1 Identify and source plantation requirements for animal species 1.2 Assist in establishing requirements of a plantation 1.3 Implement plantation management strategies according to facility policies and procedures 1.4 Conduct daily plantation activities
2. Calculate and harvest animal food requirements	2.1 Calculate animal food requirements 2.2 Harvest plantation 2.3 Advise personnel about maintaining the plantation to meet animal requirements 2.4 Maintain and store plantation records according to facility policies and procedures

<b>Foundation Skills</b>	
<i>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.</i>	
<b>Skill</b>	<b>Description</b>
Numeracy	<ul style="list-style-type: none"> <li>Identify the nutritional content of various plantation food and calculate requirements to suit specific needs</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
ACMCAN406 Assist in establishing and maintaining a plantation	ACMCAN406 Assist in establishing and maintaining a plantation		Equivalent unit

<b>Links</b>
Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b75f4b23-54c9-4cc9-a5db-d3502d154103">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b75f4b23-54c9-4cc9-a5db-d3502d154103</a>

<b>TITLE</b>	<b>Assessment requirements for ACMCAN406 Assist in establishing and maintaining a plantation</b>
<b>Performance Evidence</b>	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has assisted in establishing and maintaining a minimum of one plantation, including:</p> <ul style="list-style-type: none"> <li>• worked effectively with others, including horticulturalists</li> <li>• correctly calculated and harvested food requirements</li> <li>• maintained plantation records.</li> </ul>	
<b>Knowledge Evidence</b>	
<p>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:</p> <ul style="list-style-type: none"> <li>• principles and practices for establishing and maintaining a plantation</li> <li>• basic physiology of required plant species</li> <li>• <a href="#">plant identification and key features of relevant flora species</a></li> <li>• pest <a href="#">and disease</a> identification and management techniques</li> <li>• objectives of a plantation program</li> <li>• work health and safety and animal welfare legislative requirements and codes of practice</li> <li>• relevant institutional policies and procedures, including WHS, animal welfare, ethics, hygiene standards and other industry guidelines</li> <li>• risks associated with plantation work, including: <ul style="list-style-type: none"> <li>• biological hazardous waste and sharps disposal</li> <li>• handling of chemicals and fertilisers</li> <li>• inhalation of aerosol particles</li> <li>• manual handling, including carrying, lifting and shifting</li> <li>• moving parts of machinery or equipment</li> <li>• noise, including machinery</li> <li>• repetitive strain injury from tasks such as using secateurs</li> <li>• slippery or uneven work surfaces</li> </ul> </li> <li>• safe work practices</li> <li>• toxic plants and substances, including control factors affecting toxicity and protocols for suspected animal poisoning</li> <li>• zoological horticulture principles and practices.</li> </ul>	
<b>Assessment Conditions</b>	
<p>Assessment of skills must take place under the following conditions:</p> <ul style="list-style-type: none"> <li>• physical conditions: <ul style="list-style-type: none"> <li>• a captive animal plantation or an environment that accurately reflects a real workplace setting</li> </ul> </li> <li>• resources, equipment and materials: <ul style="list-style-type: none"> <li>• an animal feed plantation</li> <li>• equipment and resources appropriate to work undertaken in an animal plantation environment</li> </ul> </li> <li>• specifications: <ul style="list-style-type: none"> <li>• access to facility policies and procedures</li> </ul> </li> <li>• relationships (internal and/or external): <ul style="list-style-type: none"> <li>• interactions with others, including a horticulturalist.</li> </ul> </li> </ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
<b>Links</b>	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b75f4b23-54c9-4cc9-a5db-d3502d154103">https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=b75f4b23-54c9-4cc9-a5db-d3502d154103</a>