Modification history

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| 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 zoological plantation or plant production system |
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| Application | This unit of competency describes the skills and knowledge required to assist other personnel, such as horticulturists, to establish and maintain a plantation and/or plant production system for animal feed requirements.  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.  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.  No licensing, legislative or certification requirements are known to apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Exhibited Animals (EXH) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Identify requirements and assist with plantation and/or plant production system | 1.1 Identify and source plant and/or plantation requirements for animal species  1.2 Identify requirements of a plantation and/or plant production system  1.3 Support plantation/plant management strategies according to facility policies and procedures  1.4 Conduct daily activities related to plantation and/or potted plants |
| 2. Calculate and harvest animal food requirements | 2.1 Calculate animal food requirements  2.2 Harvest plantation and/or potted plants  2.3 Advise personnel about maintaining the plantation and/or plant production system to meet animal requirements  2.4 Maintain and store records according to facility policies and procedures |

| Foundation Skills  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. | |
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| Skill | Description |
| Numeracy | * Identify the nutritional content of various plantation/potted plant food and calculate requirements to suit specific needs |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| ACMCAN406 Assist in establishing and maintaining a zoological plantation or plant production system | ACMCAN406 Assist in establishing and maintaining a plantation | Revised title  Minor changes to include plant production system throughout unit | Equivalent unit |

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

| TITLE | Assessment requirements for ACMCAN406 Assist in establishing and maintaining a zoological plantation or plant production system |
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| Performance Evidence | |
| An individual demonstrating competency must satisfy all the elements and performance criteria in this unit.  There must be evidence that the individual has:   * identified dietary/plant feed requirements or at least one animal species * assisted in establishing and maintaining plant feed, for a species or designated section, from a plantation and/or plant production system, including: * worked effectively with others, including horticulturalists * correctly calculated and harvested food requirements * maintained records. | |

| Knowledge Evidence |
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| 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:   * objectives of a plantation and/or plant production system program * types of plant foods derived from plantation or plant production system, including: * foliage / browse * flowers * nectar * basic physiology of required plant species * plant identification and key features of relevant flora species * pest and disease identification and management techniques * relevant facility policies and procedures, including: * workplace health and safety * animal welfare * hygiene standards * safe work practices * risks associated with plantation and/or plant production work, including: * hazardous waste * handling of chemicals and fertilisers * manual handling, including carrying, lifting and shifting * noise and moving parts of machinery or equipment * slippery or uneven work surfaces * toxic plants and substances, including control factors affecting toxicity and protocols for suspected animal poisoning * zoological horticulture principles and practices. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * an animal care workplace or an environment that accurately reflects a real workplace setting * resources, equipment and materials: * a zoological plantation and/or plant production system * equipment and resources appropriate to work undertaken in a plantation and/or plant production environment * specifications: * access to facility policies and procedures relevant to plantation and/or plant production * relationships: * interactions with others, including a horticulturalist.   Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards. |

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