Modification history

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| Release | Comments |
| Release 2 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0. |
| Release 1 | This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 1.0. |

| AHCBEK404 | Provide bee pollination services |
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| Application | This unit of competency describes the skills and knowledge required to negotiate with clients and to determine pollination requirements and costs for bee pollination services.  This unit applies to experienced beekeepers who analyse information and exercise judgement to complete specialised pollination services activities. They work autonomously, have accountability for the work of others. They analyse, design and communicate solutions to a range of complex problems.  State and Territory legislation, regulations and Local Government by-laws apply in some jurisdictions to beehive ownership and compliance with biosecurity codes of practice.  The transport, siting and cross border movement of livestock including bee hives and must comply with State and Territory transport, quarantine and biosecurity legislation, regulations and codes of practice.  No other occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Beekeeping (BEK) |

| 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.Assess pollination service requirement | 1.1 Discuss and confirm the pollination services required with client  1.2 Determine number, location and types of colonies required for crop  1.3 Assess strength, condition and health of bee colonies for their suitability for use as crop pollinators  1.4 Assess risk of pollination problems with client and agree and establish process to monitor risk  1.5 Provide technical information to client to support bee performance and maintain health |
| 2.Price and formalise agreement for pollination services | 2.1 Identify resources and calculate costs in providing pollination services  2.2 Confirm with client the price for pollination services  2.3 Document, confirm and exercise an agreement with client to provide pollination service |
| 3. Prepare apiary sites and deliver hives to client | 3.1 Prepare sites for hives according to workplace procedures and client requirements  3.2 Deliver hives to site and set up apiary according to client and workplace procedures, legislative requirements and biosecurity code of practice  3.3 Demonstrate strength and condition of hives to client to confirm agreed service has been provided |
| 4.Monitor pollination performance of bee colonies | 4.1 Liaise with client on spraying programmes to minimise damage to bees  4.2 Monitor crop within appropriate timeframe for evidence of bee foraging and pollination efficiency  4.3 Carry out bee husbandry practices to ensure apiary performance |
| 5.Comply with industry and legislative requirement | 5.1 Obtain appropriate health certificates and permits where bees are to be moved across state borders  5.2 Comply with State, Territory and local government legislative and regulatory and biosecurity codes and requirements affecting pollination services |

| 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 |
| Writing | * Draft and finalise written pollination service agreements for clients * Accurately complete applications for permits and certificates according to legislatives and regulatory requirements |
| Numeracy | * Perform calculations to analyse bee and pollination data and to calculate hive numbers, costs and the performance of pollination services |
| Oral Communication | * Determines and confirms client requirements using active listening and questioning and observation of verbal and non-verbal signals to convey and clarify information and to confirm pollination services required |
| Get the work done | * Plans and monitors progress of services and reviews and implements change to meet client and service requirements |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCBEK404 Provide bee pollination services | AHCBEK404 Provide bee pollination services | Updated to meet Standards for Training Packages  Minor changes to Performance Criteria for clarity  Added delivery element to unit | No equivalent unit |

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| Links | Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72 |

| TITLE | Assessment requirements for AHCBEK404 Provide bee pollination services |
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| Performance Evidence | |
| An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.  There must be evidence that on at least one occasion the individual has demonstrated that they have provided bee pollination services including:   * discussed and confirmed pollination service requirements with a client * assessed number, types and hive condition required for pollination outcomes * assessed the risks of pollination services and provided technical advice to client * identified resources and calculated costs associated with providing the pollination service and confirmed with client * prepared and implemented an agreement after confirmation with client * identified suitable locations within crop or site for hive placement and established, delivered and managed an apiary for pollination services * liaised with the client to protect apiary from chemical use * monitored and managed hive activity according to industry practice and agreed service outcomes * obtained requisite certificates and permits and complied with relevant legislation, regulations and biosecurity codes of practice. | |

| 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:   * principles and practices of pollination services * crop chemicals and alternatives when managing hives * environmental and climatic factors affecting bee foraging behaviour and pollination * health and performance of bee colonies including: * pests and diseases * swarm management * hive management strategies including effects of: * weather * nutrition * water requirements * basic negotiation skills and essential elements of valid agreements and service contracts * pollination requirements of major crops targeted including: * hive numbers, strength and densities * locality conditions of operation * competing crops and plants * timing to maximise crop pollination * measuring and assessing pollination performance and success and reediness to remove * site selection and impact of location on colonies to maximise pollination * calculations and pricing techniques for service industry * legislation, regulations and biosecurity requirements affecting pollination services. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * an apiary or an environment that accurately represents workplace conditions * resources, equipment and materials: * live bees in hives * tools and equipment required to locate and manage hives * access to crop requiring pollination * specifications: * specifications and client brief for pollination service * access to specific legislation/codes of practice * relationships: * client with pollination requirement.   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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