



Australian Government

AHCBEK408 Provide bee pollination services

Release: 1

AHCBEK408 Provide bee pollination services

Modification History

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

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.

The transport, siting and cross border movement of livestock including bee hives must comply with state/territory transport, quarantine and biosecurity legislation, regulations and codes of practice.

Pre-requisite Unit

Nil

Unit Sector

Beekeeping (BEK)

Elements and Performance Criteria

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. 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 Confirm state, territory and local government legislative and regulatory and requirements, including biosecurity affecting pollination services

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Assess strength, condition and health of bee colonies for their suitability for use as crop pollinators 1.5 Assess risk of pollination problems with client and establish process to monitor risk 1.6 Provide technical information to client to support bee performance and maintain health 1.7 Obtain appropriate certificates and permits where bees are to be moved across state borders
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

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.

Skill	Description
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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, including quantity of hives required, costs and the performance of pollination services
Oral Communication	Determine and confirm 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	Plan and monitor progress of services and reviews and implements change to meet client and service requirements

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCBEK408 Provide bee pollination services	AHCBEK404 Provide bee pollination services	Added Element to unit Minor changes to Performance Criteria for clarity Updated Performance Evidence and Knowledge Evidence	No equivalent unit

Links

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

Assessment Requirements for AHCBEK408 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

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 readiness 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

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:
 - client specifications for pollination service
 - access to legislation/codes of practice related to pollination services
- 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.

Links

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