



Australian Government

AHCBEK313 Manage pests and disease within a honey bee colony

Release: 1

AHCBEK313 Manage pests and disease within a honey bee colony

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 inspect a honey bee colony for indicators of disease or evidence of pests, and take appropriate follow-up action.

The unit applies to beekeepers who work under broad direction and take responsibility for their own work. They use discretion and judgement in the selection, allocation and use of available resources.

State and territory legislation, regulations and local government by-laws apply in some jurisdictions to beehive ownership, compliance with biosecurity codes of practice and notifiable pests and diseases.

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. Prepare to check honey bee colony	1.1 Identify health and safety in the workplace hazards associated with opening and inspecting a hive and take actions to minimise risk 1.2 Select, fit and use suitable personal protective equipment 1.3 Select and use tools and equipment for opening and inspecting a hive

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Inspect hive and identify possible pests diseases and poor health	<p>2.1 Inspect flight paths around hive entrance for evidence of poor health of adult bees</p> <p>2.2 Inspect the outside of hive for signs of diseased brood</p> <p>2.3 Open the hive and inspect colony for signs and symptoms of poor health, pests and disease</p> <p>2.4 Identify and record possible poor health, disease or pests according to signs and symptoms</p>
3. Undertake field diagnosis procedures	<p>3.1 Collect samples for testing and gather evidence to help with diagnosis according to symptoms and industry standards</p> <p>3.2 Conduct field diagnosis procedures appropriate for the pest or disease to identify likely cause</p> <p>3.3 Collect, secure and label samples for transport to specialist for confirmation</p> <p>3.4 Communicate with specialist to ascertain pest or disease identity</p> <p>3.5 Report notifiable pests and diseases to authorities</p>
4. Implement biosecurity and treatment measures	<p>4.1 Identify biosecurity control measures and treatments for identified pest or disease</p> <p>4.2 Implement biosecurity measures or treatments to rectify pests or diseases according to treatment product label, workplace procedures and biosecurity code of practice</p> <p>4.3 Monitor the impact of control measures and treatments</p>
5. Monitor treatments and maintain records	<p>5.1 Review the effectiveness of control measures and treatments</p> <p>5.2 Record results of inspections and remedial actions taken</p> <p>5.3 Maintain records for future beekeeping operations</p>

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
Writing	<ul style="list-style-type: none"> Complete workplace documentation using appropriate terminology and in required format
Oral communication	<ul style="list-style-type: none"> Clearly explain detailed information using language, tone and pace appropriate to audience
Numeracy	<ul style="list-style-type: none"> Interpret numerical information from product labels Calculate weight, volume and area for pest treatments
Navigate the world of work	<ul style="list-style-type: none"> Takes responsibility for following policies, procedures and industry codes of practice
Interact with others	<ul style="list-style-type: none"> Selects and uses appropriate conventions and protocols when communicating with specialists for pests and disease diagnosis
Get the work done	<ul style="list-style-type: none"> Takes responsibility for planning, sequencing and prioritising tasks and workload

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCBEK313 Manage pests and disease within a honey bee colony	AHCBEK306 Manage pests and disease within a honey bee colony	<p>Changes and additions to Elements and Performance Criteria for clarity</p> <p>Biosecurity content increased</p>	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>