Modification history

| RELEASE | COMMENTS |
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| 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. |

| AHCBEK202 | Use a bee smoker |
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| Application | This unit of competency describes the skills and knowledge required to use a bee smoker when undertaking bee husbandry tasks.  The unit applies to beekeepers who work under general supervision and exercise limited autonomy with some accountability for their own work. They undertake defined activities and work in a structured context.  No 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 |
| --- | --- |
| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1.Prepare bee smoker for use | 1.1 Confirm the activity to undertake with supervisor  1.2 Assess the climatic and other conditions that permit the use of smoker and adjust planned activities according to workplace procedures  1.3 Check bee smoker and components to ensure that they are in good repair and serviceable, and any faults are rectified  1.4 Check personal protective equipment for serviceability and ensure correct fit  1.5 Identify hazards and risks associated with the use of a bee smoker and apply control measures according to procedures  1.6 Ensure an adequate water supply and tools available for fire control according to workplace fire prevention procedures  1.7 Assess defensive behaviour of colony by considering weather conditions, nectar flow and strain of bee  1.8 Prepare the bee smoker with fuel and ignite according to workplace procedures and manufacturer instructions  1.9 Operate bee smoker bellows to produce and maintain smoke according to workplace procedures |
| 2.Use bee smoker to manage bees | 2.1 Direct smoke into hive using the bellows and allow sufficient time for its effect according to workplace procedures  2.2 Use the smoker to opened hive and monitor its effect to maintain control of bees according to their behaviour  2.3 Ensure the smoker remains alight and within easy reach when in use  2.4 Ensure the smoker is used and extinguished safely according to operating instructions and workplace fire prevention procedures |

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| 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. | |
| Skills | Description |
| Navigate the world of work | * Complies with explicit policies and procedures, seeking clarification or assistance when required |
| Interact with others | * Communicates with supervisor using appropriate language and terminology when confirming activities and conditions |
| Get the work done | * Follows clearly defined instructions and sequencing, and monitors own progress when operating a bee smoker |

| Unit mapping information | | | |
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| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCBEK202 Use a bee smoker | AHCBEK202A Use a bee smoker | Updated to meet Standards for Training Packages  Minor changes to Performance Criteria for clarity | 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 |

| Assessment requirements | |
| --- | --- |
| AHCBEK202 | Use a bee smoker |
| 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 operated a bee smoker including:   * confirmed work activity with supervisor * identified and confirmed that the conditions are appropriate to use a bee smoker * identified hazards and risks and used personal protection equipment and safe work practices to minimise risk * anticipated defensive behaviour of colony and monitored and applied smoke to control bee behaviour * selected and ignited suitable fuel for smoker keeping it alight and functioning while carrying our bee husbandry tasks * used and shut down bee smoker safely after completing operations according to workplace fire procedures. | |

| 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 using smoke on bees to pacify behaviour * types of smoke and the effect on bees and hive products * suitable fuel, ignition and operation of bee smokers * fire and other regulations that impact on use of bee smokers. |

| Assessment conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * skills must be demonstrated in a functioning apiary with live bees or an environment that accurately represents workplace conditions * resources, equipment and materials: * bee smoker and apiary tools for manipulating hives * live bees * personal protective equipment * specifications: * access to specific legislation/codes of practice relevant to the lighting of smokers   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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