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## SELF-ASSESSMENT GUIDE

Qualification	<b>BEEKEEPING NC II</b>																	
Units of Competency Covered	<ul style="list-style-type: none"> <li>• Establish hived colonies in a bee yard</li> <li>• Manage bee colony</li> <li>• Propagate bee colony</li> <li>• Conduct harvesting operation</li> <li>• Provide pollination services</li> </ul>																	
<b>Instruction:</b> Read each question and check the appropriate column to indicate your answer.																		
<b>Can I?</b>																	<b>YES</b>	<b>NO</b>
<b>ESTABLISH HIVED COLONIES IN A BEE YARD</b>																		
• Identify species of bee that can be grown and has economic feasibility *																		
• Identify the characteristics of a reliable source/supplier of hives and hive stand																		
• Select hive appropriate to the species of bee and checks its cleanliness*																		
• Inspect specification requirements of hives and hive stand *																		
• Select location favorable for setting-up hive *																		
• Discuss the installation of starter colony of specific species																		
• Demonstrate cleaning and disinfection of hives																		
• Check working condition of hives and performs simple repair, if necessary																		
• Check the need to replenish food following industry practice																		
• Clean, make inventory and store tools & equipment after establishing hived colonies																		
• Manage wastes (reduce, reuse, recycle) and/or disposes following environmental regulations																		
• Apply safety and health measures according to safety and health standards of industry *																		
<b>MANAGE BEE COLONY</b>																		
• Inspect bee colony for pests and/or diseases following industry practice *																		
• Clean hives and rotate frame to prevent diseases, following industry practice																		
• Demonstrate treatment and/or apply corrective measures on bee colony with pests/diseases following industry practice *																		
• Identify type of feed supplement and computes amount needed for a given number of colonies *																		
• Demonstrate preparation of different types of feed following industry practice *																		
• Demonstrate feeding using different types of feeder following industry practice *																		

• Identify factors to consider when assessing health and performance of colony		
• Assess health and performance of colony following industry practice *		
• Identify health status of queen bees through its egg laying pattern *		
• Identify and apply corrective measures (ex. provision of sufficient food supply) to improve health and performance of bee, if any *		
• Identify indicators of the need to requeen colonies following industry practice *		
• Demonstrate re-queening procedure (particularly queen catching and marking) following industry practice *		
• Identify indicators of the need to merge colonies *		
• Demonstrate merging colonies using appropriate tools/materials and following industry practice		
• Identify indicators and reasons for bee swarming *		
• Assess condition on bee swarming and perform preventive measure, if necessary		
• Describe how to capture bee swarm using appropriate tools and equipment and following industry procedure *		
• Apply safety and health measures according to safety and health standards of industry *		
<b>PROPAGATE BEE COLONY</b>		
• Describe preparatory activities for propagating bee colony following industry practice (ex. needed tools, use of PPE)		
• Identify indicators on readiness of colony to divide *		
• Assess status and strength of colony (ex. presence of good queen, sufficiency of food supply, presence of pest/diseases)		
• Describe preparation of queenless nucs colony following industry practice		
• Demonstrate division of colony according to industry practice *		
• Demonstrate introduction of queen to nucs, following industry practice *		
• Identify indicators on status of queen acceptance		
• Check food sufficiency and demonstrates feeding of nucleus/starter colony		
• Enumerate ways to maintain a newly established colony (ex. treat/applies corrective measures, checking food sufficiency and monitoring health and performance) *		
• Apply safety and health measures according to safety and health standards of industry *		
<b>CONDUCT HARVESTING OPERATION</b>		
• Conduct preparatory activities of harvesting operations following industry practice (ex. needed tools, use of PPE, checking the weather) *		
• Identify type of bee products to be harvested *		
• Demonstrate different harvesting procedures according to type of bee products, using appropriate tools/materials following industry practice *		
• Place harvested bee products in containers, observing food safety on handling products *		

• Place stickies and drawn combs inside the hive in preparation for the next harvest		
• Clean and store harvesting tools and equipment *		
• Record amount of harvested products following industry procedure*		
• Apply safety and health measures according to safety and health standards of industry *		
<b>PROVIDE POLLINATION SERVICES</b>		
• Identify species of bees compatible to the crop to be pollinated according to industry practices *		
• Determine the number, location and types of colonies based on crop requirements for effective pollination *		
• Identify environmental/local government rules/policies that will affect the provision of pollination services		
• Assess strength, condition and health of bee colonies that will be used for pollination services, according to industry practice *		
• Identify potential risk to pollination activities posed by environmental condition		
• Determine preventive measures for potential risks identified		
• Provide client with technical information (includes bee performance, health and safety of colony, protection against pesticide/pests) on bees following workplace procedure *		
• Discuss with client the details of services (including schedule, scope and coverage) that will be provided to reach an agreement *		
• Demonstrate packaging technique of colony to be transported, following industry standard *		
• Identify required environmental/local government permits to be secured before transporting bee colonies		
• Describe how to sets-up colonies according to industry procedure *		
• Describe ways to care for bees and ensure apiary/meliponary performance following industry procedure (ex. food sufficiency)		
• Record information needed before provision of pollination services		
• Describe a successfully completed transaction/agreement on pollination services		
I agree to undertake assessment with the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.		
<b>Candidate's Name and Signature</b>		<b>Date</b>

**NOTE: \*Critical aspects of competency**