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| Reference No. | | | | | | | | | | | | | | | | | | |
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SELF-ASSESSMENT GUIDE

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| Qualification | BEEKEEPING NC II | | | | | | | | | | | | | | | | | |
| Units of Competency Covered | <ul style="list-style-type: none"> • Establish hived colonies in a bee yard • Manage bee colony • Propagate bee colony • Conduct harvesting operation • Provide pollination services | | | | | | | | | | | | | | | | | |
| Instruction: Read each question and check the appropriate column to indicate your answer. | | | | | | | | | | | | | | | | | | |
| Can I? | | | | | | | | | | | | | | | | YES | NO | |
| ESTABLISH HIVED COLONIES IN A BEE YARD | | | | | | | | | | | | | | | | | | |
| • 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 * | | | | | | | | | | | | | | | | | | |
| MANAGE BEE COLONY | | | | | | | | | | | | | | | | | | |
| • 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 * | | | | | | | | | | | | | | | | | | |

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| • 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 * | | |
| PROPAGATE BEE COLONY | | |
| • 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 * | | |
| CONDUCT HARVESTING OPERATION | | |
| • 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 * | | |

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| • 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 * | | |
| PROVIDE POLLINATION SERVICES | | |
| • 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. | | |
| Candidate's Name and Signature | | Date |

NOTE: *Critical aspects of competency