

APPLY BEE BEHAVIOR IN HANDLING BEES

UNIT CODE: 0811 341 02 A

TVET CDACC UNIT CODE: AGR/OS/API/CC/01/4/MA

UNIT DESCRIPTION

This unit covers the competencies required to apply bee behavior in handling bees. It involves applying knowledge of bee communication behavior, applying knowledge of reproductive bee behavior and bee swarming behavior.

ELEMENT AND PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
These describe the key outcomes which make up workplace function	These are assessable statements which specify the required level of performance for each of the elements. <i>Bold and italicized terms are elaborated in the Range</i>
1. Apply knowledge of bee communication behavior	1.1 <i>Bee communication behavior</i> is applied in handling bees National Bee Keeping Manual 1.2 Bee communication behavior is applied in minimizing conflict as per National Bee Keeping Manual 1.3 Bee communication behavior is applied in strengthening colony unity as per National Bee Keeping Manual 1.4 Bee communication behavior is applied in defending colony unity as per National Bee Keeping Manual
2. Apply knowledge of reproductive bee behavior	2.1 Bee reproductive behaviour is applied in managing bee colonies as per National Bee Keeping Manual 2.2 Bee reproductive behaviour is applied in managing of breeding as per National Bee Keeping Manual 2.3 Bee reproductive behaviour is applied in controlling inbreeding as per National Bee Keeping Manual
3. Apply bee swarming behavior	3.1 Bee swarming behaviour is applied in managing bee colonies 3.2 Bee swarming behaviour is applied in division of colonies as per National Bee Keeping Manual

	3.3 Bee swarming behaviour is applied in controlling swarming as per National Bee Keeping Manual
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RANGE

This section provides a work environment and conditions to which the performance criteria apply. It allows for a different work environment and situations that will affect performance.

Variable	Range
1. Bee communication behavior may include but not limited to:	1.1 Dances 1.2 Pheromones

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit of competency.

Required Skills

The individual needs to demonstrate the following skills:

- Organizing skills
- Analytical skills
- Interpersonal skills
- Communication skills
- Evaluation skills
- Problem solving
- Critical thinking

Required Knowledge

The individual needs to demonstrate knowledge of:

- Types of bee behavior
- Factors affecting bee behavior
- Methods of controlling bee behavior
- Bee behavior

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

1. Critical aspects of Competency	1.1 Applied bee communication behavior in handling bees National Bee Keeping Manual 1.2 Applied bee reproductive behavior in managing bee colonies as per National Bee Keeping Manual 1.3 Applied bee swarming behavior is in managing bee colonies
2. Resource Implications	The following resources should be provided: 2.1 Appropriately simulated environment where assessment can take place. 2.2 Access to relevant assessment environments. 2.3 Resources relevant to the proposed assessment activity or tasks.
3. Methods of Assessment	Competency in this unit may be assessed through: • Practical • Project • Written tests • Third party report • Portfolio of evidence • Oral questions
4. Context of Assessment	This competency maybe assessed in a workplace or in a simulated workplace.
5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.