



## MAHINGA KAI

### UNIT STANDARD 25470 (version 5)

Plan and prepare for, carry out, and evaluate the propagation of crops in accordance with local tikanga

(Level 3, Credits 10)

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# ĀKONGA BOOKLET

Name/ Ingoa	
Provider/ School/ Kura	
Assessor/ Kaiako	
NSN Number	

Tēnā koe

This is your assessment booklet for Whakamahi Whenua unit standard 25470: Plan and prepare for, carry out, and evaluate the propagation of crops in accordance with local tikanga.

## Assessment criteria

### Paetae/Achieved

Plan and prepare for, carry out, and evaluate the propagation of crops in accordance with local tikanga.

## Instructions

For this unit standard you will:

- Develop a propagation plan.
- Prepare the propagation bed.
- Carry out the propagation of a crops and the maintenance of the propagation bed and the crop.
- Write an evaluation report on the production of the crop.

If you have completed unit standard 25469 you may choose a crop from your instruction manual.

## Referencing

Please remember to reference where you get your information from for this task. You may talk to your kaiako/assessor about how to reference and/or use the examples below.

### EXAMPLES OF REFERENCING STYLES

#### 1 Book

King, M. (2000). *Wrestling with the angel: A life of Janet Frame*. Auckland, New Zealand: Viking.

#### 2 Course handout/Lecture notes (electronic version)

Archard, S., Merry, R., & Nicholson, C. (2011). Karakia and waiata [PowerPoint slides]. Retrieved from TEPS757-11B (NET): Communities of Learners website: <http://elearn.waikato.ac.nz/mod/resource/view.php?id=174650>.

#### 3 Film

Māori Television (Producer). (2016). Iwi Anthems, Series 2 Episode 5 [video file]. Retrieved from: <http://www.maoritelevision.com/tv/shows/iwi-anthems/S02E005/iwi-anthems-series-2-episode-5>.

#### 4 Magazine/Newspaper article – popular/trade/general interest

Fox, D. (2015, 15 September). Viewpoint: Not one more acre. *Mana*. Retrieved from: <http://www.mana.co.nz/heritage/viewpoint.html>.

#### 5 Personal Communication (letters, telephone conversations, emails, personal interviews, private social networking) – no reference list entry required (not recoverable); however, for quoting or citing in text

J. Jackson, personal communication, March 12, 2011.

#### 6 Webpage

New Zealand Trade and Enterprise. (n.d.). Agribusiness. Retrieved from <https://www.nzte.govt.nz/en/export/market-research/agribusiness/>.

## Conditions

- Your kaiako/assessor will discuss with you the requirements of achieving this unit standard (this may include time allowed to complete assessment, pre-assessment preparation, assessment, marking, post-assessment follow-up, and (if needed) reassessment).
- All tasks must be completed correctly to achieve the unit standard.
- You and your kaiako/assessor will discuss your choice of presentation method and any resources you might need (includes, but not limited to, whānau, marae, computer, cameras, internet access, art galleries, museums, archives, handouts).

## Authenticity

As per NZQA requirements, all work submitted for assessment must be produced by you.

You may work with and learn from others to gather information from a variety of sources. However, your kaiako/assessor must be clear that the work to be assessed has been processed and produced by you.

To help manage authenticity of your work, you will need to use your own words (and provide references).

If you have any pātai, or are unsure about anything, talk to your kaiako/assessor.

For further information, please refer to the following link:

<https://www.nzqa.govt.nz/providers-partners/assessment-and-moderation-of-standards/assessment-of-standards/generic-resources/authenticity/>

**ĀKONGA ASSESSMENT & TASK SHEETS**

Name	NSN #
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**Outcome 1 Plan the propagation of crops in accordance with local tikanga.**

**Assessment Task 1**

**Develop a propagation plan for two crops in accordance with crops requirements and local tikanga.**

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<b>PROPAGATION PLAN</b>	
<b>Select TWO crops for propagation</b>	
CROP 1	CROP 2
Plan includes TWO objectives that may include but is not limited to: <ul style="list-style-type: none"> <li>production</li> <li>quality</li> <li>seed sources</li> <li>future prospects.</li> </ul>	
Plan includes a layout of the land for propagation that may include any TWO from the following list: <ul style="list-style-type: none"> <li>environment</li> <li>adequate light</li> <li>orientation</li> <li>aspect</li> <li>soil variances.</li> </ul>	

<p>Plan includes the times and seasons for propagation to take place:</p> <ul style="list-style-type: none"> <li>• use the māramataka, and</li> <li>• the observations of Matariki.</li> </ul>	
<p>Plan includes TWO techniques that may include but is not limited to:</p> <ul style="list-style-type: none"> <li>• mounding</li> <li>• broadcasting</li> <li>• transplanting</li> <li>• manual planting</li> <li>• mechanical planting</li> <li>• contour</li> <li>• aspect</li> </ul>	
<p>Plan includes the MAINTENANCE of the propagation bed, that may include TWO of the following:</p> <ul style="list-style-type: none"> <li>• materials</li> <li>• aeration</li> <li>• temperature</li> <li>• drainage.</li> </ul>	

The plan includes a forecast for at least TWO deviations that may include but is not limited to:

- weather conditions
- equipment shortage or breakdowns
- crop diseases.

ASSESSMENT TASKS TWO and THREE are practical and group activities; however, you will be assessed individually.

LEVEL 3

**Outcome 2 Prepare the propagation bed in accordance with local tikanga.**

### Assessment Task 2

**Develop a propagation plan for two crops in accordance with crops requirements and local tikanga.**

WORK and PREPARE the soil for propagation, until the soil is any TWO of the following conditions:

- weed free
- friable
- moisture content

Make up the propagation bed making sure the bed provides TWO of the following –

- aeration
- temperature
- drainage.

PREPARE TWO tools manual and/or mechanical.

*(The assessor will have a checklist to check off as you work that must be accompanied with photographs or digital).*

**Outcome 3 Carry out the propagation of crops in accordance with local tikanga**

### Assessment Task 3

**CARRY OUT the propagation AND maintenance of the propagation bed and crops in accordance with: the plan**

The assessor will have a checklist to check off as you work.

### Assessment Task 4

**Write an evaluation report on the propagation of crops. The report must evaluate:**

Write an evaluation report on the propagation of crops. The report must evaluate:

- the techniques applied in the propagation of the crop in terms of the outcome of the crop
- any deviations from the plan in terms of the effects crops and the outcome of the crop
- areas for improvement in the propagation of crops to enhance the future outcome of the crop
- in accordance with crop requirements and local tikanga.

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**EVALUATION REPORT**

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## Notes: