



## MAHINGA KAI

### UNIT STANDARD 25473 (version 6)

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Plan, prepare, carry out, and evaluate the cultivation of crops in accordance with tikanga

(Level 3, Credits 10)

# ĀKONGA BOOKLET

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

Tēnā koe

This is your assessment booklet for Whakamahi Whenua unit standard 25473: **Plan, prepare, carry out, and evaluate the cultivation of crops in accordance with tikanga**

## Assessment criteria

### Paetae/Achieved

There are FOUR assessment tasks for this standard that you must correctly complete to be awarded the credits.

## Instructions

For this unit standard, you will:

- Develop a cultivation plan.
- Prepare the cultivation bed.
- Carry out the cultivation 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 and your whānau, hapū or hapori 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 fox 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

- All activities must be correctly completed before credits are awarded.
- You and your pouako/assessor will discuss your choice of presentation method and resources (e.g. computer, cameras etc).
- Activities must be completed in class time only however the gathering of information may take place whenever the opportunity arises.
- Your pouako/assessor will discuss with you the processes for reassessment.
- Your pouako may arrange access to internet or libraries, to marae, art galleries, and museums.
- You may work in pairs or groups however you will be assessed individually.

### Resources

- Pouako handouts, camera for photographs, folders etc to keep information in.

### 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 #

**Outcome 1 Plan the cultivation of crops in accordance with tikanga and crop requirements.**

### Assessment Task 1

#### Cultivation Plan

In consultation with your whānau, hapū or hapori:

1. Select at least TWO crops for cultivation
2. Develop a cultivation plan in accordance with crops requirements and local tikanga

Write at least TWO objectives for the cultivation plan.

Objectives may include but is not limited to:

- soil management
- land cultivation
- crop production
- resources
- future prospects.

Draw a site plan and plan the site for cultivation.

- environment
- local knowledge
- soil variances.

Analyse the maramataka and the observations of Matariki and plan the times, and seasons cultivation takes place.

Investigate techniques in terms of planning the cultivation of crops.

Plan must include at least TWO techniques that includes but is not limited to:

- mounding
- broadcasting
- transplanting
- manual planting
- mechanical planting
- contour
- aspect.

Evaluate the requirements of the crops and plan for the maintenance of the propagation bed and crops.

Plan must include at least TWO of the following:

- material
- aeration
- temperature
- drainage.

Forecast at least TWO deviations to the plan that may include but is not limited to:

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

*Present your plan to the whānau, hapū or hapori for their approval.*

**Outcome 2 Prepare the cultivation bed in accordance with the plan, tikanga and crop requirements.**

## Assessment Task 2

### Prepare māra kai

This is a practical and group activity: however, you will be assessed individually.

Prepare the māra in accordance with crops requirements and local tikanga.

Work to prepare and develop the soil for cultivation making sure the soil that may include at least TWO from the following list:

- weed free
- friable
- moisture content.

Make up the māra using the correct materials, to ensure the bed provides at least TWO from the following list:

- aeration
- temperature
- drainage.

Prepare the appropriate tools to carry out the cultivation of the crops in accordance with crops requirements and local tikanga

**Outcome 3** Carry out the cultivation of the crops in accordance with the plan, tikanga, and crop requirements.

### Assessment Task 3

#### Maintenance of crops

This is a practical and group activity however you will be assessed individually.

Carry out the cultivation of crops and the maintenance of the cultivation bed and crops in accordance with:

- the plan
- crops requirements
- local tikanga.

**Outcome 4** Evaluate the cultivation of the crops

### Assessment Task 4

#### Evaluate the outcome

Write an evaluation report on the cultivation of crops. The report must evaluate: Carry out the cultivation of crops and the maintenance of the cultivation bed and crops in accordance with:

- the techniques applied in the cultivation of the crop in relation to the outcome of the crop
- any deviations from the plan in relation to the impacts on the outcome of the crop
- areas for improvement in the cultivation of crops to enhance the future outcome of the crop.

## Notes: