



MAHINGA KAI

UNIT STANDARD 25471 (version 5)

Explain the cultivation of crops in accordance with tikanga and crop requirements

(Level 2, Credits 6)

ĀKONGA BOOKLET

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

Tēnā koe

This is your assessment booklet for Whakamahi Whenua unit standard 25471: **Explain the cultivation of crops in accordance with tikanga and crop requirements.**

Assessment criteria

Paetae/Achieved

You must complete all assessment tasks correctly to gain credits for this standard. There is ONE (1) OVERALL assessment task for this standard and there are THREE (3) assessment tasks that you must correctly complete to meet the overall assessment task for this unit standard at Paetae/Achieved or Not Achieved.

Instructions

For this unit standard; you will:

Observe and listen to your kaiako carefully, take notes, photographs, or do illustrations as you go and keep them in a portfolio.

All the information must meet the requirements of the selected crops and is in accordance with local tikanga.

There are spaces for answers, however this assessment may be presented orally, visually or in writing. This may include, but is not limited to 3D images/printings, power point presentations, videos, photos, illustrations, performances, etc.

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.

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/>.

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:

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

ĀKONGA ASSESSMENT & TASK SHEETS

Name

NSN #

SELECT TWO ROOT AND TWO SEED GROWN CROPS” and EXPLAIN the CULTIVATION of crops in accordance with selected crops requirements and local tikanga.

Root grown crops may include but are not limited to:kūmara, rīwai, taro, beets, turnips and parsnips.

Selection must include **kūmara** or **rīwai** and one other root grown crop.

Seed grown crops must include one of – kānga, kamokamo, or paukena

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Outcome 1 Explain the preparation of the māra for cultivation in accordance with tikanga and crop requirements.

Assessment Task 1

Explain the preparation of the māra for cultivation.

Explanation includes

TWO (2) processes to select and prepare the māra site for cultivation that may include but is not limited to –

- environment
- adequate light
- orientation aspect
- soil volumes

Explanation includes

TWO (2) processes to prepare the soil of the māra for cultivation that may include but is not limited to –

- weed free
- friable
- moisture content.

TWO (2) processes to modify and develop the soil of the māra for cultivation that may include but is not limited to –

- aeration
- temperature
- drainage.

Outcome 2 Explain the planting of crops in accordance with tikanga and crop requirements.

Range may include but not limited to – riwai, hue, kumara; evidence of two is required.

Assessment Task 2

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Explain the planting of crops.

Explanation includes

The seasons for planting crops –

- the māramataka, and
- observations of Matariki.

Explanation includes

TWO (2) methods for planting crops.that may include but is not limited to –

- single layer
- spacing
- straight line
- contour aspect.

Outcome 3 Explain the maintenance of crops in accordance with tikanga and crop requirements..

Assessment Task 3

Explain the maintenance of crops.

Explanation includes

TWO (2) irrigation systems used to maintain crops that may include but is not limited to –

- natural
- hand held
- automatic.

Explanation includes

TWO (2) furrowing and mounding methods to maintain crops that may include but is not limited to –

- manual
- mechanical.

Explanation includes

TWO (2) fertiliser applications used to maintain crops that may include but is not limited to –

- natural
- organic matter
- artificial.

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Explanation includes

TWO (2) weeding methods used to maintain crops that includes

- manual weeding, and
- mechanical.