

# **ASSESSMENT GUIDELINES**

## **Unit 10952**

Lift, cull, root trim, pack, transport and store  
bare root tree stocks

---

Level 2, Credit 3, version 3

# Lift, cull, root trim, pack, transport and store bare root tree stocks

Unit standard 10952  
Level 2, Credit 3, version 3

## Level of performance required for this unit standard

This is a level 2 unit standard. At this level trainees are expected to demonstrate the following abilities when completing assessment tasks:

- To work under general supervision, as directed; with some responsibility for the standard of the outcome achieved.
- To complete tasks that are established and familiar, with a moderate range of skill and knowledge.
- To apply basic operational knowledge, use readily available information and known solutions to solve familiar problems.

## Workplace assessment:

For guidelines on Workplace Assessment, please refer to the NZHITO Workplace Assessors Manual, and for further information, please contact: NZHITO, PO Box 8638, Christchurch. Ph 03 9644 735, fax 03 9644 737, website [www.hortito.org.nz](http://www.hortito.org.nz)

## Special notes:

1. Definition  
*Tree stocks* include seedlings, rooted cuttings, transplants.
2. Legislation relevant to this unit standard includes but is not limited to the: Health and Safety in Employment Act 1992, and its subsequent amendments.

## Unit 10952: Lift, cull, root trim, pack, transport and store bare root tree stocks (Apprentice copy)

ELEMENT	Competent	Range of evidence an assessor should consider
<b>Element 1</b> Lift, cull and root trim bare root tree stocks.	<b>Yes/No</b>	<ul style="list-style-type: none"> <li>▪ Identify loosening treatments in relation to the need for manual, multiple tree loosening without foliage or root damage. Range: machine wrenching, spade loosening.</li> <li>▪ Utilise manual multiple tree loosening techniques to ensure that resistance to extraction of fibrous roots and mycorrhizae is minimized.</li> <li>▪ Utilise single tree extraction techniques to ensure minimum damage to fibrous roots and mycorrhizae. Range: shaking, horizontal teasing, root stripping, uncontrolled water loss.</li> <li>▪ Utilise culling practices that ensure only high quality trees are gathered up in to bundles for root trimming.</li> <li>▪ Ensure the same number of trees is counted out to form each bundle. Range: tree size, size of bundle, number of trees per bundle.</li> <li>▪ Utilise techniques for gathering single trees into bundles to ensure that variation in trimmed root length is minimized.</li> <li>▪ Utilise trimming practices that ensure root system quality is enhanced.</li> </ul>
<b>Element 2</b> Pack bare root tree stocks.	<b>Yes/No</b>	<ul style="list-style-type: none"> <li>▪ Ensure packing materials and their condition makes sure that trees are protected against foliage crushing, drying out and heating up. Range: cartons, polythene bags, bag colour, holes, tears; uncontrolled water loss.</li> <li>▪ Utilise packing practices that ensure packages are not under filled or over filled and that all packages contain the same number of trees. Range: compression, foliage crushing, uncontrolled water loss, heating up, drying out.</li> <li>▪ Utilise packing techniques that ensure that exposure of trees to sun and wind is minimized and that foliage is not contaminated with soil. Range; placement of bundles, tree orientation, protection of packaged trees on the beds.</li> </ul>
<b>Element 3</b> Transport and store packaged bare root tree stocks.	<b>Yes/No</b>	<ul style="list-style-type: none"> <li>▪ Organise transport to minimise the time that packaged trees remain on the beds. Range: exposure, sun, wind, drying out, heating up, tree crates, covered trailers.</li> <li>▪ Ensure loading, transporting and off- loading practices avoid damage to packaged trees.</li> <li>▪ Utilise methods of placing packaged trees in storage to ensure that tree vitality is maintained. Range: watering, compression of packages, stacking of packages, ventilation, temperature.</li> </ul>

\_\_\_\_\_ (Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 10952 (version 3)

**Signed (Assessor):** \_\_\_\_\_

WPA Registration Number: \_\_\_\_\_ Date: \_\_\_\_\_

**Unit 10952: Lift, cull, root trim, pack, transport and store bare root tree stocks**  
**(Assessor copy)**

<b>ELEMENT</b>	<b>Competent</b>	<b>Range of evidence an assessor should consider</b>
<b>Element 1</b> Lift, cull and root trim bare root tree stocks.	<b>Yes/No</b>	<ul style="list-style-type: none"> <li>▪ Identify loosening treatments in relation to the need for manual, multiple tree loosening without foliage or root damage. Range: machine wrenching, spade loosening.</li> <li>▪ Utilise manual multiple tree loosening techniques to ensure that resistance to extraction of fibrous roots and mycorrhizae is minimized.</li> <li>▪ Utilise single tree extraction techniques to ensure minimum damage to fibrous roots and mycorrhizae. Range: shaking, horizontal teasing, root stripping, uncontrolled water loss.</li> <li>▪ Utilise culling practices that ensure only high quality trees are gathered up in to bundles for root trimming.</li> <li>▪ Ensure the same number of trees is counted out to form each bundle. Range: tree size, size of bundle, number of trees per bundle.</li> <li>▪ Utilise techniques for gathering single trees into bundles to ensure that variation in trimmed root length is minimized.</li> <li>▪ Utilise trimming practices that ensure root system quality is enhanced.</li> </ul>
<b>Element 2</b> Pack bare root tree stocks.	<b>Yes/No</b>	<ul style="list-style-type: none"> <li>▪ Ensure packing materials and their condition makes sure that trees are protected against foliage crushing, drying out and heating up. Range: cartons, polythene bags, bag colour, holes, tears; uncontrolled water loss.</li> <li>▪ Utilise packing practices that ensure packages are not under filled or over filled and that all packages contain the same number of trees. Range: compression, foliage crushing, uncontrolled water loss, heating up, drying out.</li> <li>▪ Utilise packing techniques that ensure that exposure of trees to sun and wind is minimized and that foliage is not contaminated with soil. Range; placement of bundles, tree orientation, protection of packaged trees on the beds.</li> </ul>
<b>Element 3</b> Transport and store packaged bare root tree stocks.	<b>Yes/No</b>	<ul style="list-style-type: none"> <li>▪ Organise transport to minimise the time that packaged trees remain on the beds. Range: exposure, sun, wind, drying out, heating up, tree crates, covered trailers.</li> <li>▪ Ensure loading, transporting and off- loading practices avoid damage to packaged trees.</li> <li>▪ Utilise methods of placing packaged trees in storage to ensure that tree vitality is maintained. Range: watering, compression of packages, stacking of packages, ventilation, temperature.</li> </ul>

\_\_\_\_\_ (Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 10952 (version 3)

**Signed (Assessor):** \_\_\_\_\_

WPA Registration Number: \_\_\_\_\_ Date: \_\_\_\_\_

Please send this page to your NZHITO Regional Manager, who will forward it to National Office to register the credits on your NZQA Record of Learning.

## **Unit 10952: Lift, cull, root trim, pack, transport and store bare root tree stocks**

---

*(Name of Apprentice)*

**is Competent in Unit Standard 10952 (version 3)**

**Signed (Assessor):**

---

WPA Registration Number: \_\_\_\_\_

Date: \_\_\_\_\_