

**FIELD                    AGRICULTURE, FORESTRY AND FISHERIES****Review of *Arboriculture* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>Id</b>
Horticulture	Arboriculture	2763, 2765-2770, 2772-2776, 2818-2822, 17150, 17151, 17256-17262

The New Zealand Horticulture Industry Training Organisation (NZHITO) has completed the review of the unit standards listed above.

**Date new versions published**

**December 2009**

**Planned review date**

**December 2014**

**Summary of review and consultation process**

NZHITO, in conjunction with industry representatives, providers and other stakeholders, has reviewed the unit standards within the *Arboriculture* domain listed above. This review took place as part of the normal NZHITO unit standard review cycle, the review allowed for moderation issues that had emerged since the last review cycle to be addressed, and allowed for updates and changes to the unit standards.

The review considered the following matters.

- The currency of the unit standards and their suitability for existing and proposed qualifications.
- The accuracy and appropriateness of their content to the arboriculture industry.
- The need to revise special notes, elements, performance criteria and range statements to ensure they were technically correct, up to date and accurately reflected industry practises.
- Reassessment of credit values to more accurately reflect the time taken for learning and assessment.

The review of these unit standards has also been coordinated with the development of new unit standards for the arboriculture sector. The review has taken into consideration the time since these unit standards were last reviewed and a review of the National Certificate in Horticulture (Arboriculture) with strands in Ground Worker, Consultant Climber, Transplant Worker, Basic Climber, Advanced Climber, and Utility Worker [Ref: 0896].

**Main changes resulting from the review**

The review process has resulted in the following changes to the unit standards:

- The development of three new *Arboriculture* unit standards.
- The 26 existing *Arboriculture* unit standards that were reviewed have, based upon their usage, industry requirements, and relationship to other unit standards in subfield *Horticulture* had changes made to credits, special notes, elements, and performance criteria.

- Unit standard 2769 has had an increase in credit value and in level. Unit standard 17150 has had a decrease in credit value.
- Unit standard 2818 has been replaced by unit standard 25405.
- Unit standards 2819 and 2770 have been replaced by unit standard 25404.
- Unit standard 2822 has been replaced by unit standard 25402.
- Unit standard 17260 has been replaced by unit standard 25399 and 25401.

**Unit standards categorised as category C expire at the end of December 2011.**

### Impact on existing provider accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification	Level	Nature of accreditation	Id	Level
Subfield	Horticulture	3	Standard	2769	4
Domain	Arboriculture	3	Standard	2769	4

### Impact on Accreditation and Moderation Action Plan (AMAP)

None.

### Impact on existing qualifications

Qualifications that contain the reviewed standards or classifications are tabled below.

<b>Affected</b>	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits The qualification lists a C or D category standard
<b>Not materially affected</b>	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following New Zealand Horticulture Industry Training Organisation qualification is affected by the outcome of this review and has been reviewed at the same time. The standards that generated the status *Affected* are listed in **bold**.

Qualification title	Standard in the qualification
National Certificate in Horticulture (Arboriculture) with strands in Ground Worker, Consultant Climber, Transplant Worker, Basic Climber, Advanced Climber, and Utility Worker [Ref: 0896]	2768, <b>2769</b> , <b>2770</b> , 2776, <b>2818</b> , <b>2819</b> , <b>2822</b> , <b>17150</b> , 17257, <b>17260</b> , 17261, 17262

The following qualifications are also affected by the outcome of this review. The standard setting bodies (SSBs) have been advised that they require revision. The standards that generated the status *Affected* are listed in **bold**.

Qualification title	Standard in the qualification	SSB Name
National Certificate in Electricity Supply (Vegetation Control) (Level 2) [Ref: 0857]	17257, <b>17260</b>	Electricity Supply Industry Training Organisation
National Certificate in Electricity Supply (Vegetation Control) (Level 4) [Ref: 0858]	2768, <b>2822</b>	

## Summary of main changes

All changes are in **bold**.

Key to review category	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same Id and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same Id and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new Id
<b>D</b>	Standard will expire and not be replaced

### Agriculture, Forestry and Fisheries > Horticulture > Arboriculture

Id	Title	Level	Credit	Review Category
2763	Demonstrate knowledge of the New Zealand arboriculture industry	2	3	B
2765	Plant trees and shrubs	2	4	B
2766	Maintain amenity trees and shrubs	3	8	B
2767	Climb a well branched tree	4	10	B
2768	Prune young amenity trees and shrubs <b>Prune young trees and shrubs in arboriculture situations</b>	3	4	B
2769	Demonstrate knowledge of the application of law to arboriculture in New Zealand	3 <b>4</b>	4 <b>5</b>	B
2770	Assess a site for amenity trees	3	8	C
2819	Select and layout trees for treed landscapes	3	4	C
<b>25404</b>	<b>Assess a site for amenity trees and select trees</b>	<b>3</b>	<b>8</b>	
2772	Transplant amenity trees and shrubs manually	3	4	B
2773	Diagnose amenity tree health problems	4	8	B
2774	Climb and branch walk difficult trees	4	10	B
2775	Prune mature amenity trees	4	10	B
2776	Use amenity tree evaluation methods <b>Use amenity tree evaluation methods and describe timber markets</b>	4	6	B
2818	Transplant large trees using specialist equipment	4	7	C
<b>25405</b>	<b>Demonstrate knowledge of transplanting large trees using specialist equipment</b>	<b>3</b>	<b>5</b>	
2820	Manage the development, conservation, and the use of woodlots	5	6	B
2821	Plan and manage complex tree work	5	5	B
2822	Undertake sectional felling in tree work	4	7	C
<b>25406</b>	<b>Undertake sectional felling in arboriculture tree work</b>	<b>4</b>	<b>10</b>	
17150	Identify amenity trees and shrubs <b>Identify trees used in arboriculture</b>	3	12 <b>10</b>	B
17151	Demonstrate knowledge of safety requirements for tree work near electrical supply lines	3	5	B

<b>Id</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
17256	Use climbing equipment for arboriculture	3	3	B
17257	Fell and limb trees under supervision <b>Fell and limb trees in arboriculture under supervision</b>	3	10	B
17258	Use advanced felling techniques in arboriculture	4	10	B
17259	Operate an elevated platform vehicle for arboriculture	4	4	B
17260	Use a brush chipper and stump grinder	3	4	C
<b>25399</b>	<b>Prepare to use, use, and remove a brushwood chipper</b>	<b>3</b>	<b>3</b>	
<b>25401</b>	<b>Prepare to use, use, and remove a stump grinder</b>	<b>3</b>	<b>3</b>	
17261	Carry out groundperson's duties in an arboricultural situation <b>Carry out groundperson's duties in an arboriculture situation</b>	3	4	B
17262	Carry out an arboricultural tree inspection <b>Carry out an arboriculture tree inspection</b>	4	5	B
<b>25400</b>	<b>Demonstrate knowledge of tree support systems in arboriculture</b>	<b>4</b>	<b>5</b>	<b>New</b>
<b>25402</b>	<b>Demonstrate advanced tree climbing for arborists</b>	<b>4</b>	<b>10</b>	<b>New</b>
<b>25403</b>	<b>Use advanced rigging in arboriculture tree work</b>	<b>4</b>	<b>10</b>	<b>New</b>