

FIELD AGRICULTURE, FORESTRY AND FISHERIES**Reclassification and review of *Organic Horticulture* unit standards**

Subfield	Domain	Id
Horticulture	Organic Horticulture	10321-10336

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

Date new versions published **October 2006**

Planned review date **December 2011**

Summary of review and consultation process

NZHITO, in conjunction with the organic advisory group, providers, and other stakeholders, have reviewed the unit standards listed above in the Organic Horticulture domain. The review considered the currency of the unit standards and their suitability for existing and proposed qualifications, and the accuracy and appropriateness of their content to the organic sector. The uptake of the organic strand of the National Certificate in Horticulture at Level 4 (References 1014 and 1015) has been very low, and it is considered that these unit standards will be better utilised as part of an integrated programme for any sector of the horticulture industry. As a result of the review the ITO, in consultation with the organics advisory group, has deemed it appropriate to integrate these unit standards into the Production Horticulture domain.

Main changes resulting from the review

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

- The reclassification of the unit standards from the Organic Horticulture domain into the Production Horticulture domain.
- The expiry of the Organic Horticulture domain following the integration of the reviewed unit standards into the Production Horticulture domain.
- Three new unit standards were developed, seven unit standards were replaced, and three unit standards were designated expiring.
- The special notes were updated to include relevant legislation and licensing requirements.
- The credit values were revised to more accurately reflect the time taken for delivery, learning, and assessment.
- The elements, performance criteria, and range statements were revised to ensure they were technically correct and up to date.

Unit standards categorised as category C or D expire at the end of December 2008.

Impact on existing provider accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification or Id	Level	Nature of accreditation	Classification or Id	Level
Subfield	Horticulture	3	Standards	21040 21044	4
Domain	Organic Horticulture	Any	Domain	Production Horticulture	Same
Domain	Organic Horticulture	3	Standards	21040 21044	4
Standards	10327 10321	3 2	Standard	21039	2
Standard	10322	3	Standard	21040	4
Standards	10326 10328 10331 10332	4 3 3 4	Standard	21043	3
Standards	10329 10330	4 3	Standard	21044	4
Standard	10333	3	Standard	21045	3

Impact on existing qualifications

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

Affected	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
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following NZHITO qualifications are affected by the outcome of this review and will be revised/reviewed in 2010.

Qualification title	Classification in the qualification
National Certificate in Horticulture (Introductory) (Level 2) [Ref: 1013]	Organic Horticulture
National Certificate in Horticulture (Level 4) with optional strands in Amenity Horticulture, Fruit Production, Landscape, Nursery Production, Organic Horticulture, and Viticulture [Ref: 1014]	Organic Horticulture
National Certificate in Horticulture (Advanced) (Level 4) with strands in Amenity Horticulture, Fruit Production, Landscape, Nursery Production, Organic Horticulture, Production Horticulture, and Viticulture [Ref: 1015]	Organic Horticulture

Summary of main changes

All changes are in **bold**.

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

Subfield Horticulture
 Domain Organic Horticulture
 Domain **Production Horticulture**

Id	Title	Level	Credit	Review Category
10321 and 10327 21039	Identify foundation principles of organic horticulture Demonstrate knowledge of organic growing in New Zealand Demonstrate knowledge of the development of organic horticulture	3 2 2	3 2 10	C C
10322 21040	Describe the scope and application of standards applying to organic horticulture in New Zealand Describe the scope and application of standards that apply to organic horticulture in New Zealand	3 4	3 8	C
10323	Apply knowledge of bees to maximize their value in organic horticulture	2	3	D
10324 21041	Demonstrate knowledge of principles of permaculture in natural and cultivated systems Demonstrate knowledge of permaculture and plan a site	3 3	3 10	C
10325	Explain the key factors influencing the development of organic horticulture in New Zealand Demonstrate knowledge of factors influencing the development of organic horticulture in New Zealand	4	6 10	B
10326 10328 10331 and 10332 21043	Define the requirements of producing crops organically in a selected sector of horticulture Plan for the development of a polycultural system, and describe how the plan will be implemented Describe components of soil management in organic horticulture Apply soil management techniques in organic horticulture Demonstrate knowledge of the principles of organic horticultural production	4 3 3 4 3	4 6 6 6 20	C C C C
10329 10330 21044	Develop an integrated pest and disease management system for application in organic horticulture Apply organic weed management techniques Develop and apply an organic pest, disease, and weed management plan for an organic crop	4 3 4	7 4 20	C C
10333 21045	Apply accepted principles in composting Demonstrate and apply knowledge of compost making in organic horticulture	3 3	5 5	C
10334	Plan, establish and maintain a natural shelter in organic horticulture	3	5	D
10335	Produce and select seeds and vegetative material for organic horticulture	4	5	D

Id	Title	Level	Credit	Review Category
10336	Plan for the maintenance of organic certification fidelity in horticulture operations	4	5	C
21046	Demonstrate knowledge of obtaining and maintaining organic certification for horticulture operations	4	5	
21047	Describe, produce and apply organic liquid fertilisers used in organic horticulture	3	5	New
21048	Demonstrate knowledge of the requirements for post-harvest handling of organic horticultural produce	4	5	New
21049	Demonstrate and apply knowledge of vermiculture	3	5	New