

## **ASSESSMENT GUIDELINES**

### **Unit 12395**

Install an irrigation system

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Level 3, Credit 5, version 3

# Install an irrigation systems

## Unit standard 12395

Level 3, Credit 5, Version 3

### Level of performance required for this unit standard

This is a level 3 unit standard. At this level trainees are expected to demonstrate the following abilities when completing assessment tasks:

- To work under general supervision, with some independence; with significant responsibility for the standard of the outcome achieved.
- To apply technical skills and knowledge to complete the task to the specified standard, in a familiar context.
- To interpret available information, and use discretion and judgment.

### 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 Legislation relevant to this unit standard includes but is not limited to the Health and Safety in Employment Act 1992.
- 2 A *low pressure system* is made up of headers, laterals, low pressure emitters, valves, filters and joiners. A low pressure system is designed to throw water for no more than about a metre, if at all.
- 3 A *high pressure system* is made up of headers, threaded fittings, laterals, valves, emitters and filters designed to withstand pressures needed to throw water several metres or more.

**Unit 12395: Install irrigation systems  
(Apprentice copy)**

<b>ELEMENT</b>	<b>Competent</b>	<b>Range of evidence an assessor should consider</b>
<p><b>Element 1</b> Install a system for horticultural irrigation. Range: low pressure, or high pressure.</p>	<p><b>Yes/No</b></p>	<ul style="list-style-type: none"> <li>▪ Identify materials suitable for irrigation systems and give an explanation of the uses of each item. Range: may include but not limited to - headers, laterals, emitters, valves, filters, joiners, threaded fittings</li> <li>▪ Select tools and equipment needed to install irrigation systems and use according to manufacturer's instructions.</li> <li>▪ Install and explain an irrigation system according to manufacturer's instructions.</li> <li>▪ Test the system and inspect for leaks and performance, and report any problems to the supervisor.</li> </ul>
<p><b>Element 2</b> Install automatic controls under supervision.</p>	<p><b>Yes/No</b></p>	<ul style="list-style-type: none"> <li>▪ Describe in simple terms, features of an electric circuit and solenoid switching system.</li> <li>▪ Ensure electric wires are run out and installed and solenoids connected so that the system can be automatically controlled.</li> <li>▪ Test the automatic control of the irrigation system and report any problems to supervisor.</li> </ul>

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

is **Competent / Not yet competent** in Unit Standard 12395. (version 3)

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

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

**Unit 12395: Install irrigation systems  
(Assessor copy)**

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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.

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*(Name of Apprentice)*

**is Competent in Unit Standard 12395. (version 3)**

**Signed (Assessor):**

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

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