

U15902: Maintain the condition of plants and other resources during transportation

Unit Descriptor:

This unit is about transporting plants and other resources, without damage or deterioration. The resources covered by this unit include: growing media, containers, tools and equipment, supports, watering devices, nutrients and pesticides. It is for members of staff who can carry out the work described under limited supervision only.

The typical tasks you would carry out to complete this unit include:

- Selecting appropriate plants and resources
- Checking to make sure they are in a suitable condition
- Using safe lifting and handling techniques
- Loading and positioning plants and resources for transportation
- Transporting the plants and resources
- Record keeping

Use of equipment and chemicals must meet the requirements of the law and codes of practice.

ELEMENT

PERFORMANCE CRITERIA

To be competent you must achieve the following:

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| 1. Prepare plants and other resources for transportation | 1.1 | Select plants and resources that are appropriate to requirements. |
| | 1.2 | Ensure the plants and resources are in a suitable condition for installation and transportation . |
| | 1.3 | Use safe lifting and handling techniques . |
| | 1.4 | Load and position the plants and resources safely and securely for transportation . |
| | 1.5 | Maintain the condition of the plants and resources throughout. |
| | 1.6 | Complete all records correctly. |

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| 2. Transport plants and other resources | 2.1 | Transport plants and resources safely and efficiently to the correct location. |
| | 2.2 | Operate all equipment correctly and safely. |
| | 2.3 | Maintain the condition of plants and resources during transportation. |
| | 2.4 | Use safe lifting and handling techniques during unloading. |
| | 2.5 | Complete all records correctly. |

RANGE STATEMENT

You must cover the items below:

Element 1: Prepare plants and other resources for transportation

A. Use both of the following **lifting and handling techniques**

- (i) manual
- (ii) using lifting and handling equipment

B. Prepare all of the following types of **plant: (*Also applies to element 2*)**

- (i) delicate
- (ii) robust
- (iii) safely lifted by one person
- (iv) requiring more than one person to safely lift

C. Prepare all of the following types of **resources for transportation: (*Also applies to element 2*)**

- (i) growing medium
- (ii) containers
- (iii) tools and equipment
- (iv) watering devices
- (v) chemicals

D. Use both of the following types of **transportation**: (*Also applies to element 2*)

- (i) vehicles
- (ii) manual handling

Element 2: Transport plants and other resources

A. Use **both** of the following types of **transportation**:

- (i) vehicles
- (ii) manual handling

B. Transport **all** of the following types of **plant**:

- (i) delicate
- (ii) robust
- (iii) safely lifted by one person
- (iv) requiring more than one person to safely lift

C. Use **both** of the following **lifting and handling techniques**:

- (i) manual
- (ii) using lifting and handling equipment

UNDERPINNING KNOWLEDGE AND SKILLS

1. The importance of establishing the requirements for plants and other resources.
2. How to inspect plants and make sure they are in a fit condition for transport and installation.
3. How to inspect other resources and make sure they are fit for installation and transportation.
4. Why it is important to use safe lifting and handling techniques.
5. The basic legal requirements for using lifting equipment.
6. How to use safe lifting and handling techniques when working alone and when working with others.
7. How to load and position plants for safe and secure transportation.
8. The records that need to be updated and the procedures to follow for record keeping.
9. How to handle and transport the materials safely and efficiently.
10. How to select, use and maintain the equipment safely and effectively.
11. How to maintain the condition of plants during transportation.
12. The safety procedures to follow when transporting pesticides and other chemicals.

EVIDENCE GUIDE

For assessment purposes:

(1) Critical Aspects of Evidence

Assessment should involve observation of work processes at intervals when preparing and transporting plants and other resources.

Performance evidence must be provided for all of the performance criteria in this unit. However, supplementary evidence would be accepted demonstrating knowledge of the safe lifting and handling techniques, the completion of all records correctly as well as how to correctly and safely operate all equipment.

A You must be able to use **both** of the following **lifting and handling techniques**:

- a. manual
- b. using lifting and handling equipment

B You must be able to prepare and transport **all** of the following types of **plants**:

- c. delicate
- d. robust
- e. safely lifted by one person
- f. requiring more than one person to safely lift

C Additionally, you are required to prepare **all** of the following types of resources for transportation:

- g. growing medium
- h. containers
- i. tools and equipment
- j. supports
- k. watering devices
- l. chemicals

D You must be able to use **both** of the following types of **transportation**:

- m. vehicles
- n. manual handling

Use of equipment, chemical and all other activities must meet the requirements of the law and relevant codes of practice.

(2) Methods of Assessment

Observation by your assessor of you:

- Selecting appropriate plants and resources
- Using safe lifting and handling techniques
- Loading and positioning plants and resources for transportation
- Transporting the plants and resources
- Record keeping

Witness testimony from your supervisor about how you carry out your lifting and handling techniques and about your record keeping.

Answers to written or oral questions from your assessor.

(3) Context of Assessment

Evidence from simulations is **not** acceptable for this unit.