

Title:	Practical Plant Propagation
Level:	Level 1
Credit value:	2
GLH:	18
Unique Reference Number:	Y/652/0076
Sector Subject Area:	14.1 Foundations for Learning and Life
Aim:	The aim of this unit is to provide learners with the knowledge and skills to demonstrate practical plant propagation techniques in planted environments. Learners will understand common propagation methods and carry out supervised propagation tasks with increasing independence. This unit supports progression into practical horticulture roles by developing technical growing skills used across a range of cultivated settings.
Assessment Type:	Assessment of this unit will be through an internally set and internally assessed portfolio of evidence.
Assessment Guidance:	<p>Assessment decisions for skills-based learning outcomes must be made during the learner's normal work activity.</p> <p>Skills-based assessment must include direct observation as the main source of evidence and must be carried out over an appropriate period of time.</p> <p>Evidence must confirm that the learner can explain basic propagation methods, demonstrate selected propagation techniques, prepare appropriate growing media, and apply safe working practices with limited supervision.</p> <p>Assessment must reflect realistic horticultural contexts.</p>

Learning outcomes

The learner will:

1. Understand common methods of plant propagation.

Delivery content:

The aim of this learning outcome is to provide the learners with the knowledge and skills to describe how plants can be reproduced using different methods.

The learner must:

- 1.1 Describe different **propagation methods**.
- 1.2 Explain when specific propagation methods are used.

1.3 Identify basic equipment used for propagation.
2. Demonstrate propagation by seed.
<p>Delivery content:</p> <p>The aim of this learning outcome is to provide the learners with the knowledge and skills to carry out seed propagation safely and effectively.</p> <p>The learner must:</p> <ul style="list-style-type: none"> 2.1 Demonstrate preparing growing media for seed sowing. 2.2 Demonstrate sowing seeds at appropriate depth and spacing. 2.3 Demonstrate providing suitable aftercare for seedlings.
3. Demonstrate vegetative propagation techniques.
<p>Delivery content:</p> <p>The aim of this learning outcome is to provide learners with the knowledge and skills to carry out simple vegetative propagation techniques under supervision.</p> <p>The learner must:</p> <ul style="list-style-type: none"> 3.1 Demonstrate taking a basic cutting safely. 3.2 Demonstrate preparing and planting a cutting appropriately. 3.3 Demonstrate monitoring cuttings for signs of successful establishment.
4. Demonstrate safe and responsible working during propagation tasks.
<p>Delivery content:</p> <p>The aim of this learning outcome is to provide learners with the knowledge and skills to apply safe working methods while completing propagation activities.</p> <p>The learner must:</p> <ul style="list-style-type: none"> 4.1 Demonstrate safe handling of tools and materials. 4.2 Maintain a clean and organised propagation area. 4.3 Follow safe working practices with limited supervision.

Scope of Training

The Scope of Training identifies areas that must be covered during the delivery of this unit. This is the minimum that is expected but tutors are expected to include other areas,

<p>knowledge of which will benefit their learners, based on location, types of work available and from the tutors own professional experience.</p>	
<p>Requirements</p>	
<p>Propagation methods:</p>	<p>Definition: Ways of producing new plants from seeds or plant material.</p> <p>Teaching must include:</p> <ul style="list-style-type: none"> • Propagation methods including: : <ul style="list-style-type: none"> ○ Seed propagation. ○ Cuttings. ○ Basic division (awareness level). <p>Teaching could include:</p> <ul style="list-style-type: none"> • Comparing seed and cutting methods. • Advantages and limitations of methods. • Simple demonstration videos or live examples.
<p>Growing media:</p>	<p>Definition: Material used to support seed germination or root development.</p> <p>Teaching must include:</p> <ul style="list-style-type: none"> • Identifying suitable compost or seed compost. • Filling trays or containers correctly. • Moistening media appropriately before sowing. <p>Teaching could include:</p> <ul style="list-style-type: none"> • Comparing compost types. • Drainage awareness. • Use of trays or small pots.
<p>Signs of successful establishment:</p>	<p>Definition: Visible indicators that a seed or cutting has begun healthy growth.</p> <p>Teaching must include:</p> <ul style="list-style-type: none"> • Emergence of seedlings. • Development of new leaves. • Firm root development (where visible). <p>Teaching could include:</p> <ul style="list-style-type: none"> • Comparing healthy and failed propagation attempts.

	<ul style="list-style-type: none"> • Recording basic observations. • Identifying early signs of failure.
Propagation area:	<p>Definition: The designated space used for carrying out propagation activities.</p> <p>Teaching must include:</p> <ul style="list-style-type: none"> • Keeping trays organised. • Safe storage of tools. • Maintaining cleanliness to reduce contamination. <p>Teaching could include:</p> <ul style="list-style-type: none"> • Use of benches or sheltered areas. • Labelling plants. • Shared working arrangements.