

**Propagate Ornamental Plants from Seed**

**Assessment Guide**

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**CANDIDATE DETAILS**

Candidate Name: _____	
Contact Details:	Physical Address: _____
Identity Number _____	
Tel: _____	Email: _____
Assessor Name: _____	
Tel: _____	Email: _____
Moderator Name: _____	
Tel: _____	Email _____
Physical Address: _____	
_____	
Tel: _____	

**Declaration:**

I, \_\_\_\_\_ ( assessor) hereby declare that the information contained in the attached documentation is, to my knowledge, correct and valid.

**Candidate**

**signature**

**Date**

**Assessor**

**signature**

**Date**

**Moderator**

**signature**

**Date**

**UNIT STANDARD**

TITLE

PROPAGATE ORNAMENTAL PLANTS FROM SEED

UNIT STANDARD NUMBER:	119704
UNIT STANDARD LEVEL:	NQF 1
CREDITS:	5
FIELD:	Agriculture and Nature Conservation
SUB FIELD:	Horticulture
ISSUE DATE:	2006-02-09
REVIEW DATE:	2009-02-09

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**PURPOSE OF THE UNIT STANDARD**

This standard is aimed at people who work in or intend to work within the Horticulture industry in general and as applied in a specific environment.

Those learners who acquire the outcomes of this standard will be able to prepare for and sow seeds manually.

The qualifying learner is able to:

- Prepare for seed sowing.
- Sow seed manually.
- Apply water to sown seed.
- Maintain the germination environment and monitor the process.

**LEARNING ASSUMED TO BE IN PLACE**

Demonstrated knowledge of communication and Numeracy at Abet level 3.

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1 *Continued on next page*

**Specific Outcomes and Assessment Criteria:****Specific Outcome 1****Prepare for seed sowing:****Outcome Range:**

- Seedling containers, growing media, plant labels, documentation and records.

**Assessment Criteria**

1. Select the appropriate growing media and container.
2. Fill seedling containers.
3. Prepare the seedbed.
4. Explain the importance of correct labeling and documentation.

**Specific Outcome 2****Sow seed manually.****Outcome Range:**

- Seed sowing density, planting depth, batch labeling, separation of varieties.

**Assessment Criteria**

1. Explain the importance of sowing seeds at the correct spacing or density.
2. Sow various seed types.
3. Explain the reasons why an adequate soil cover must be laid over seeds.
4. Apply the soil covering.
5. Describe the process of batch separation and labeling.

**Specific Outcome 3**

Apply water to sown seed.

**Outcome Range:**

- Low pressure application, appropriate droplet size, required volume.

**Assessment Criteria**

1. Explain the necessity of attaining the correct moisture content of the growth media.
2. Explain the importance of selecting the correct equipment for the application of watering a seedbed.
3. Identify examples of sprinklers and hand held sprays that are suitable for watering a seedbed.
4. identify examples of watering cans equipped with suitably fine nozzles.
5. Demonstrate the methods of applying water to ensure that seed displacement will be prevented.

**Specific Outcome 4**

Maintain the germination environment and monitor the process.

**Outcome Range:**

- Temperature, humidity, light, air movement, frequency of watering.

**Assessment Criteria**

1. Describe the factors that affect the rate of germination.
2. Explain the importance of monitoring the development of the radicle.
3. Inspect the status of the radicle.

**Unit Standard Accreditation and Moderation Options**

1. Internal moderation.
2. External moderation.
3. Moderation of assessment will be overseen by the relevant ETQA, according to the moderation guidelines in the relevant qualification the agreed ETQA procedures.
4. Internal assessment.
5. External assessment with the relevant registered/accredited industry body/ETQA.
6. An Assessor accredited by the relevant ETQA, will assess the Learner's competency.
7. Formative and summative assessment of qualifying Learners against this unit standard should be in alignment with the requirements of the NSB.
8. Practical assessment activities will be used that are appropriate to the contents in which the qualifying Learners are working.
9. Assessment will include self and peer assessment, practical and oral assessment, observations, questions and answers, etc.
10. Direct observation is required in simulated or actual work conditions.
11. Reporting skills are demonstrated by effective communication, using verbal and/or writing skills.
12. Assessments are to be structured to include formative and summative component, as well as the submission of a Portfolio of Evidence.
13. The assessment should ensure that all the specific outcomes, critical cross-field outcomes and embedded knowledge are assessed.
14. Specific outcomes must e assessed in their own right, through oral and practical evidence and cannot be assessed by observation only.
15. Essential embedded knowledge must be assessed in their own right, through oral and practical evidence and cannot be assessed by observation only.
16. Special outcomes and essential embedded knowledge must e assessed in relation to each other.
17. If qualifying Learners are able to explain the essential embedded knowledge, but are unable to perform the specific outcomes, then they should not be assessed as competent.
18. If qualifying Learners are able to perform specific outcomes, but are unable to explain the essential embedded knowledge, they should not be assessed as competent.
19. Evidence of the specified critical cross-field outcomes should be found, both in performance and in essential embedded knowledge.
20. All assessment activities must be fair, so that all Learners have equal