Modification history

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| Release | Comments |
| Release 2 | This version released with AHC Agriculture, Horticulture, Conservation and Land Management Training Package Version 5.0. |
| Release 1 | Initial release |

| AHCNSY401 | Plan a growing-on program |
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| Application | This unit of competency describes the skills and knowledge required to plan a growing-on program and monitor the implementation of the program.  The unit applies to individuals who apply specialist skills and knowledge to planning a growing-on program. This includes applying and communicating non-routine technical solutions to predictable and unpredictable problems.  All work is carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and sustainability and biosecurity practices.  No licensing, legislative or certification requirements apply to this unit at the time of publication. |
| Prerequisite Unit | Nil |
| Unit Sector | Nursery (NSY) |

| Elements | Performance Criteria |
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| Elements describe the essential outcomes. | Performance criteria describe the performance needed to demonstrate achievement of the element. |
| 1. Identify issues affecting the growing-on program | 1.1 Determine production requirements in consultation with management  1.2 Identify factors that could limit the production of nursery plants  1.3 Identify hazards and assess risks in the workplace and implement control measures to manage risks according to workplace health and safety procedures  1.4 Consider the environmental implications of the growing-on program  1.5 Incorporate sustainable and biosecurity practices into the growing-on plan |
| 2. Develop the growing-on plan | 2.1 Identify growing-on program activities  2.2 Identify labour, materials, tools and equipment needs  2.3 Select environmental parameters and alter to meet plant needs and production plans  2.4 Determine growing media requirements according to production plans and taking into account nursery plant needs  2.5 Determine planting dimensions and layout according to production plans  2.6 Identify treatments required for the growing-on program  2.7 Identify growing-on program hygiene requirements |
| 3. Document the growing-on plan | 3.1 Negotiate and document a budget supporting the growing-on program  3.2 Document the growing-on plan, including all information identified in the development stage  3.3 Organise a schedule of activities  3.4 Communicate the growing-on plan and schedule of activities to staff |
| 4. Oversee and monitor the growing-on program | 4.1 Monitor the health of the plants to ensure they are at optimum growth  4.2 Modify treatments as required to maintain optimum growth  4.3 Confirm plants are ready for dispatch according to client specifications |

| Foundation Skills  This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria. | |
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| Skill | Description |
| Reading | * Identify and interpret information regarding requirements for growing-on program and plan |
| Writing | * Develop a growing-on plan and schedule of activities |
| Oral communication | * Initiate discussions with management, using clear language to discuss production requirements, budget and growing-on plan * Use clear communications with staff to communicate growing-on plan and schedule of activities |
| Numeracy | * Calculate labour, materials, tools and equipment cost * Document growing-on budget |

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| Unit Mapping Information | | | |
| Code and title current version | Code and title previous version | Comments | Equivalence status |
| AHCNSY401 Plan a growing-on program  Release 2 | AHCNSY401 Plan a growing-on program  Release 1 | Performance criteria clarified  Foundation skills added  Assessment requirements updated | Equivalent unit |

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| Links | Companion Volumes, including Implementation Guides, are available at VETNet: <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72> |

| TITLE | Assessment requirements for AHCNSY401 Plan a growing-on program |
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| Performance Evidence | |
| An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that the individual has planned a growing-on program on at least one occasion and has:   * applied relevant workplace health and safety, and environmental and biosecurity legislation, regulations and workplace procedures * identified and assessed factors that could impact the growing-on program * researched information about production requirements, growth conditions and marketing implications of a growing-on program * developed a growing-on program that identifies labour, materials and activities requirements * identified hygiene requirements for growing-on activities * negotiated, budgeted and documented plans * communicated plans and schedules to staff * overseen and monitored the growing-on program. | |

| Knowledge Evidence |
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| An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:   * workplace health and safety, and environmental and biosecurity legislation, regulations and workplace procedures relevant to planning a growing-on program * principles and practices of planning a growing on program, including: * application techniques for chemical and non-chemical intervention or treatments * chemical, cultural and biological pest, weed and disease control techniques * common growing-on activity problems and preventative actions * workplace hygiene standards required for growing-on activities * workplace quality standards of nursery plant production * optimal growing requirements of nursery plants * preferred types of propagation media for different species * processes and techniques for preparing, costing and documenting plans and scheduling growing-on activities * testing methods applied to propagation media. |

| Assessment Conditions |
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| Assessment of skills must take place under the following conditions:   * physical conditions: * a workplace setting or an environment that accurately represents workplace conditions * resources, equipment and materials: * production plans * industry publications and internet sources of information relevant to the planning of a growing-on program * specifications: * workplace health and safety, and environmental and biosecurity legislation, regulations and workplace procedures relevant to planning a growing-on program * relationships: * management and staff * timeframes: * according to job requirements.   Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards. |

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