

Specification of Competency Standards
for the Arboriculture & Horticulture Industry
Unit of Competency

Functional Area - Planting, Caring and Management of Plants

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| Title | Prepare work plans for plant cultivation and care operations |
| Code | 109119L4 |
| Range | This unit of competency is applicable to managers or technical personnel who are engaged in plant cultivation and care operations in the arboriculture and horticulture industry. Practitioners should be capable of mastering the job requirements to choose appropriate plant cultivation and care approaches according to the types of plants and the environmental considerations, so as to prepare the corresponding work plans. |
| Level | 4 |
| Credit | 6 (For Reference Only) |
| Competency | <p>Performance Requirements</p> <p>1. Possess knowledge related to preparing work plans for plant cultivation and care operations</p> <ul style="list-style-type: none"> • Comprehend the daily caring procedures of different types of plants and the related technical requirements • Comprehend the techniques and knowledge of the cultivation of different types of plants • Comprehend the requirements of plant cultivation and care operations • Comprehend the growth characteristics of different types of plants • Comprehend the constraints posed by different geographical environment on plant cultivation and care operations, such as nearby public facilities • Comprehend the personnel arrangement of plant cultivation and care operations, relevant qualification requirements, and allocation of tools and resources • Comprehend the relevant procedures for arranging temporary traffic measures <p>2. Prepare work plans for plant cultivation and care operations</p> <ul style="list-style-type: none"> • Conduct field surveys on the plant cultivation and care areas to assess the restrictions of the landform and slope • Discuss with project leaders to prepare appropriate work plans according to the job requirements and environmental constraints • Determine the mixing ratio of the soil amendments and thickness of the soil for plant cultivation • Prepare the working procedures, working guidelines and safety codes for plant cultivation and care operations • Develop the work schedules, work objectives and quality objectives of work processes for plant cultivation and care operations • Plan corresponding manpower and resource allocation with regard to the size of the planting areas • Plan suitable transportation arrangements and protection measures on the ground according to the working space of the planting environment and nearby road conditions, such as arranging temporary traffic measures and fencing off work areas • Choose suitable species of plants for cultivation with the environmental factors and job requirements taken into account • Develop monitoring and assessment mechanisms for plant cultivation and care projects <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Adopt new techniques and technologies in the work plans with regard to the development trend of the industry to improve the efficiency of plant cultivation operations |

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| Assessment Criteria | The integrated outcome requirements of this unit of competency are: <ul style="list-style-type: none">• Able to prepare the corresponding work plans for plant cultivation and care operations in accordance with the job requirements, plant species and environmental considerations; and• Able to develop monitoring and assessment mechanisms for plant cultivation and care projects to ensure that the work progress and quality meet the specified requirements. |
| Remark | |