

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

Functional Area - Planting, Caring and Management of Plants

Title	Prepare work plans for hydroseeding operations
Code	109122L4
Range	This unit of competency is applicable to managers who are engaged in hydroseeding operations in the arboriculture and horticulture industry. Practitioners should be capable of mastering the job requirements to choose appropriate work methods with respect to different site environment, so as to prepare the corresponding hydroseeding work plans.
Level	4
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge related to preparing work plans for hydroseeding operations</p> <ul style="list-style-type: none"> • Comprehend the established working procedures of hydroseeding operations and the related technical requirements • Comprehend the work methods for conducting hydroseeding operations in different locations • Comprehend the formulation for making hydroseeding solution • Comprehend the treatment and storage of seeds before spraying • Comprehend the characteristics of hydroseeding machinery • Comprehend the requirements of hydroseeding operations • Comprehend the growth characteristics of different seed species • Comprehend the personnel arrangement of hydroseeding 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 hydroseeding operations</p> <ul style="list-style-type: none"> • Discuss with project leaders to prepare appropriate hydroseeding work plans according to the job requirements and the environmental constraints • Prepare the working procedures, working guidelines and safety codes for the hydroseeding projects • Develop the work schedules, work objectives and quality objectives of work processes for the hydroseeding operations • Plan corresponding manpower and resource allocation with regard to the size of the hydroseeding projects • Design the formulation of the hydroseeding solution according to the seed species specified in the job requirements • Plan the treatment methods of the seeds before spraying • Develop monitoring and assessment mechanisms for the hydroseeding projects to ensure the work quality • Plan suitable transportation arrangements and protection measures on the ground according to the working space and nearby road conditions, such as arranging temporary traffic measures and fencing off work areas <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Introduce advanced hydroseeding machinery and technologies to improve the effectiveness of the hydroseeding operations
Assessment Criteria	The integrated outcome requirements of this unit of competency are:

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	<ul style="list-style-type: none">• Able to prepare the corresponding work plans for hydroseeding operations in accordance with the job requirements and the constraints of the hydroseeding environment; and• Able to develop monitoring and assessment mechanisms for hydroseeding projects to ensure that the work progress and quality meet the specified requirements.
Remark	