



Australian Government

AHCPHT402 Develop a crop regulation program

Release: 1

AHCPHT402 Develop a crop regulation program

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to develop a crop regulation program.

It applies to individuals who analyse information and exercise judgement to complete a range of advanced skilled activities and demonstrate deep knowledge in a specific technical area. They have accountability for the work of others and analyse, design and communicate solutions to a range of complex problems. All work is carried out to comply with workplace procedures.

No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Production horticulture (PHT)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Assess crop regulation methods	1.1 Identify production targets and requirements in terms of quantity, quality and availability of specified crops 1.2 Research the characteristics and growing requirements of plant species and cultivars that may affect the crop regulation program 1.3 Assess the benefits and limitations of available crop regulation methods for specified crops 1.4 Evaluate implementation risk of available methods and record and

Element	Performance criteria
	cost risk controls 1.5 Determined the most cost-effective approach to crop regulation and submit to management for approval
2. Identify the requirements of a crop regulation program	2.1 Develop the crop regulation program to achieve the appropriate yield and quality 2.2 Identify and confirm availability of resources, tools, equipment and machinery for the program 2.3 Outline staged implementation and development according to the range of conditions over the growing cycle 2.4 Determine timelines for crop regulation activities, taking into account the needs of the crop and site conditions
3. Prepare and document the crop regulation program and specifications	3.1 Prepare a plan, specifications and quotation based on the requirements of the program 3.2 Develop and document on-site procedures and schedules for the program
4. Monitor the crop regulation program	4.1 Monitor implementation of the program to ensure requirements of the production plan are achieved 4.2 Monitor and review the program to ensure it remains responsive to changing conditions 4.3 Implement appropriate courses of action to alleviate or overcome identified shortcomings 4.4 Document and report remedial action undertaken to management

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCPTH402A Develop a crop regulation program.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCPTH402 Develop a crop regulation program

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Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- assess and select cost-effective techniques, resources and equipment for the regulation of horticultural crops
- develop a crop regulation program to achieve the yield and quality specified in the enterprise production plan
- document a crop regulation plan, specifications and quotation
- document detailed schedules and work procedures
- prepare a cost-benefit analysis on available crop regulation methods
- review the crop regulation program
- implement appropriate courses of action in response to identified shortcomings

Knowledge Evidence

The candidate must demonstrate knowledge of:

- crop regulation published data on the species and cultivars
- principles and practices for developing a crop regulation program
- processes and techniques for preparing, costing and documenting plans for scheduling crop regulation activities
- site evaluation techniques, including analysis of the condition of soils, plants and the site for production activities
- specific crop physiology and timing of regulation
- the characteristics of soil and other growth media types and the use of additives to enhance the available nutrition for specific plant species and cultivars
- the relationship between enterprise crop regulation methods, such as thinning, pruning and RDI, and the yield and quality of specific crops

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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