



Australian Government

AHCSDT403 Perform an Anguina test on annual ryegrass seed

Release: 1

AHCSDT403 Perform an Anguina test on annual ryegrass seed

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to test annual ryegrass seed for nematode gall (*Anguina spp.*).

It applies to senior seed analysts 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

Seed testing (SDT)

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. Prepare for <i>Anguina</i> testing	1.1 Review test request to identify samples to be tested, required test methods, equipment and staff to be involved in the test 1.2 Clean and calibrate equipment and working space 1.3 Prepare the working sample or sub-samples using mixing and dividing processes 1.4 Record sample details on worksheets and sample packets
2. Inspect seed samples	2.1 Inspect a prescribed sample weight of ryegrass seed on a

Element	Performance criteria
	diaphanoscope for the presence of galls 2.2 Separate any galls present into yellow and black galls, count and report separately
3. Examine galls	3.1 Soak galls in water for prescribed period 3.2 Dissect galls and examine under a microscope for the presence of nematodes 3.3 Record the presence of nematodes
4. Report results	4.1 Review testing procedures carried out by analysts 4.2 Issue a report of 'no galls found' where no galls are found on the prescribed weight of seed 4.3 Report as 'number of galls per sample weight' where galls containing nematodes have been detected

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 AHCSDT403A Perform an Anguina test on annual ryegrass seed.

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 AHCSDT403 Perform an Anguina test on annual ryegrass seed

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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:

- identify galls on ryegrass seed
- inspect seed samples using a diaphanoscope
- plan and delegate testing tasks
- use a microscope to detect nematode gall (*Anguina spp.*)

Knowledge Evidence

The candidate must demonstrate knowledge of:

- basic nematode identification
- enterprise standard operating procedures (SOPs)
- recording and reporting protocols
- relevant health, safety and environment requirements
- seed biology

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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