



Australian Government

AHCWOL303 Prepare wool based on its characteristics

Release: 1

AHCWOL303 Prepare wool based on its characteristics

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to prepare wool based on its characteristics.

All work must be carried out to comply with the requirements of Code of Practice for the Preparation of Australian Wool Clips, workplace procedures, work health and safety and biosecurity requirements and sustainability practices.

This unit applies to individuals who work under broad direction and take responsibility for their own work including limited responsibility for the work of others.

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

Wool (WOL)

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. Separate wools with characteristics outside the uniformity requirements of the Code of Practice.	1.1 Make assessment of sheep breed and wool type 1.2 Separate wools into different lines based on fibre diameter, length and strength, colour and character and handle and style 1.3 Check staple formation and tip 1.4 Separate pigmented wool and wool which includes medulated fibres

Element	Performance criteria
2. Separate wool showing faults that impact on processing or fabric quality.	2.1 Separate wool for dogginess that will impact on fabric quality 2.2 Separate cotted wool that will require extra processing 2.3 Identify and remove skin pieces 2.4 Check wool for dermatitis and kept separate 2.5 Identify and separate wool based on the level and type of vegetable matter contamination where it requires different processing 2.6 Identify mobs with high pigmented fibre risk and keep their wool completely separate from low risk wool 2.7 Identify wool from sheep with shedding characteristics and keep completely separate from non-shedding white woolled sheep, record risk of exposure to shedding breeds on the classer's report 2.8 Keep fleeces containing pigmented fibre in a white woolled flock separate 2.9 Keep wool containing stain separate
3. Recognise impurities of greasy wool and their effect on processing and yield.	3.1 Examine wool for natural impurities 3.2 Identify applied impurities and assess their effect on processing 3.3 Identify acquired impurities and assess their effect on processing and yield of clean fibre

Foundation Skills

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

Range of Conditions

Preparation must include wool from Fine/Superfine Merino, Medium/Strong Merino and Crossbred wool clips.

Unit Mapping Information

This unit is equivalent to AHCWOL303A Prepare wool based on its characteristics

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 AHCWOL303 Prepare wool based on its characteristics

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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 key wool characteristics
- identify and separate wool faults
- identify and separate wool with impurities
- separate wool that does not meet Code of Practice requirements for uniform, predictable low risk lines of wool
- identify and separate wool from shedding sheep breeds
- identify and separate wools with a high pigmented fibre risk

Knowledge Evidence

The candidate must demonstrate knowledge of:

- characteristics of the breeds of sheep
- inherent wool characteristics - diameter, length and strength, colour, yield, VM type, curvature, and comfort factor and explain how these characteristics impact on processing and final wool product
- features of impurities in wool and explain their impact on processing and yield of clean fibre after processing
- types and sources of contamination and explain their impact on processing and final wool product
- features of the main wool faults and explain their impacts on processing
- techniques used to measure wool characteristics
- processing methods - woollen and worsted, stages of processing
- wool growth, skin and fibre biology, and discuss the effect of genetics and environment on fibre characteristics
- requirements for handling shedding and pigmented fibres

- relevant aspects of the Code of Practice for the Preparation of Australian Wool Clips and other relevant quality standards that related to preparing wool.

Assessment Conditions

Competency is to be assessed in the work place or simulated environments that accurately reflect performance in a real workplace setting.

Evidence of competency must be demonstrated in Fine/Superfine Merino, Medium/Strong Merino and Crossbred wool clips.

Assessors must satisfy current standards for RTOs and be currently registered with the Australian Wool Exchange as Australian Wool classers.

Links

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