



Australian Government

TLIJ2003 Apply grain protection measures

Release: 1

TLIJ2003 Apply grain protection measures

Modification History

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Application

This unit involves the skills and knowledge required to apply grain protection procedures within grain storage facilities in accordance with workplace procedures, regulations and requirements, as part of grain storage operations in the transport and logistics industry.

It includes identifying, preparing for and applying pest control measures, monitoring the application of pest control measures, ventilating fumigated storages and maintaining records in accordance with workplace requirements.

Work is performed under some supervision, generally within a team/group environment.

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

Pre-requisite Unit

Not applicable.

Competency Field

J – Quality

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Prepare to apply pest control measures	1.1 Legal and workplace requirements for fumigation are followed in accordance with work order 1.2 Hazards are identified, risks are assessed and control measures are implemented 1.3 Fumigation/spray application requirements are followed using silo and grain storage information in accordance with

manufacturer instructions

- 1.4 Written records are confirmed by site measurements and observations
- 1.5 Access and site specific safety requirements to meet legislation and workplace instructions are determined
- 1.6 Equipment is checked for conformance to workplace requirements and manufacturer specifications
- 1.7 Storage is checked for gas-proofing in accordance with manufacturer and workplace instructions prior to fumigation, as required

2 Apply pest control measures

- 2.1 Personal protective equipment and engineering controls are used as instructed
- 2.2 Fumigant and spray applications are applied in accordance with manufacturer and workplace instructions
- 2.3 Warning signs are placed in accordance with legislative and workplace requirements
- 2.4 Application is monitored to ensure effectiveness of operation
- 2.5 Empty fumigant containers are returned to manufacturer/retailer or are disposed of in accordance with legislative and workplace requirements
- 2.6 Baits are prepared in accordance with legislation and manufacturer instructions
- 2.7 Baits are placed in accordance with site requirements and manufacturer instructions

Foundation Skills

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

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIJ2003A Apply grain protection measures.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>

Assessment Requirements for TLIJ2003 Apply grain protection measures

Modification History

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- applying precautions and required action to minimise, control or eliminate identified hazards
- applying relevant legislation and workplace procedures
- carrying out work in accordance with required work health and safety (WHS)/occupational health and safety (OHS) procedures and hazard control strategies, including using:
 - personal protective equipment
 - manufacturer instructions
 - fumigant and pest control chemical labels
- communicating and working effectively with others
- completing relevant documentation
- identifying pests that infest grain in grain storage facilities
- identifying, selecting and using required equipment efficiently and effectively
- implementing contingency plans
- modifying activities depending on operational contingencies, risk situations and environments
- operating and adapting to differences in equipment in accordance with operating procedures
- operating electronic communications equipment to required protocol
- reading, interpreting and following relevant instructions, procedures information and labels
- setting up and maintaining grain protection equipment
- using pest control agents in accordance with relevant Commonwealth, state/territory legislation.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- characteristics of commodity types, varieties and grades, and their identification
- emergency response procedures
- equipment applications, capacities, configurations, safety hazards and control mechanisms
- problems that may occur and appropriate action that can be taken to resolve these problems
- procedures for environmental control and disposal activities
- regulations relevant for applying grain protection measures in grain storage facilities
- relevant WHS/OHS and environmental protection procedures and guidelines
- site layout and obstacles
- storage and safe handling procedures for fumigants, chemicals and other grain protection materials
- workplace procedures and policies for applying grain protection measures.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment include:

- a range of relevant exercises, case studies and/or simulations
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and personal protective equipment currently used in industry.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>