



Australian Government

TLIJ0001 Apply grain protection measures

Release: 1

TLIJ0001 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 measures.

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

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

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|----------|---|------------|--|
| 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 or spray application requirements are followed using silo and grain storage information in accordance with manufacturer instructions
 - 1.4 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
- 2 **Apply pest control measures**
 - 2.1 Personal protective equipment (PPE) and engineering controls are selected and used in accordance with workplace procedures
 - 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 of fumigant or spray is monitored to ensure effectiveness of operation
 - 2.5 Empty fumigant containers are returned to manufacturer or 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 TLI Transport and Logistics Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to TLIJ2003 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 TLIJ0001 Apply grain protection measures

Modification History

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Performance Evidence

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

- communicating and working effectively with others
- completing relevant documentation
- identifying hazards, assessing risks and implementing control measures
- carrying out work in accordance with required work health and safety (WHS)/occupational health and safety (OHS) procedures and hazard control strategies, including using:
 - fumigant and pest control chemical labels
 - manufacturer instructions
 - personal protective equipment (PPE)
- identifying, selecting and using required equipment efficiently and effectively
- implementing contingency plans
- interpreting and following relevant instructions, procedures, information and labels
- modifying activities depending on operational contingencies, risk situations and environments
- operating and adapting to differences in equipment in accordance with operating procedures
- operating communications equipment to required protocol
- setting up and maintaining grain protection equipment
- using pest control agents in accordance with relevant national, state/territory legislation.

Knowledge Evidence

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

- characteristics of grain types, varieties and grades, and their identification
- emergency response procedures
- equipment applications, capacities, configurations, safety hazards and control mechanisms
- grain site layout and obstacles
- pests that infest grain in grain storage facilities
- potential problems with applying grain protection measures and appropriate resolutions
- procedures for environmental control and disposal activities
- relevant legislation and regulations for applying grain protection measures in grain storage facilities
- relevant WHS/OHS and environmental protection procedures and guidelines
- relevant workplace procedures and policies for applying grain protection measures
- storage and safe handling procedures for fumigants, chemicals and other grain protection materials.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within 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 must include access to:

- relevant and appropriate materials, tools, equipment and PPE currently used in industry
- applicable documentation including legislation, regulations, codes of practice, workplace procedures and operation manuals.

Links

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