

Training Package	Rural Production (RTE03)	HSC Requirements and Advice
Title	Assist with feeding in an intensive production system	
Unit code RTE2134A	This competency standard covers the work involved in preparing and providing feed and water for livestock in an intensive production unit. It requires the application of limited knowledge and skills to get and distribute feed, check watering systems, report to supervisors, and keep basic feeding records. In addition, it requires an awareness of animal welfare and behaviour, safe workplace, and sustainable environmental practices associated with livestock production. The work is likely to be carried out under close supervision with regular checking within enterprise guidelines. It requires an understanding of basic nutritional and animal requirements.	HSC Indicative Hours 10

Evidence Guide

What evidence is required to demonstrate competence for this standard as a whole?

Competence in feeding animals in an intensive production system requires evidence that feed and water provision for animals is completed according to enterprise standard operating procedures.

The skills and knowledge required to feed animals in an intensive production system must be **transferable** to a different work environment. For example, across a range of breeds and classes, as well as in a variety of shed types and feeding systems.

What specific knowledge is needed to achieve the performance criteria?	What specific skills are needed to achieve the performance criteria?	Are there other competency standards that could be assessed with this one?	Assessment guide	HSC Requirements and Advice
<p>Knowledge and understanding are essential to apply this standard in the workplace, to transfer the skills to other contexts, and to deal with unplanned events. The knowledge requirements for this competency standard are listed below:</p> <ul style="list-style-type: none"> • silo operations, tractors and associated feeding machinery and equipment • cleaning and storage of machinery, equipment and materials • enterprise recording and reporting procedures • grains, meals, pelleted and liquid feeds • evidence of spoilage and 	<p>To achieve the performance criteria, appropriate literacy and numeracy levels as well as some complimentary skills are required. These include the ability to:</p> <ul style="list-style-type: none"> • identify a range of feed types and qualities • identify grain contaminants • recognise and rectify minor operational faults • read and interpret manufacturers specifications, work and maintenance plans, and Material Safety Data Sheets • interpret and apply task instructions, communicate with work team and supervisor, and record and report faults, 	<p>This competency standard <u>could</u> be assessed on its own or in combination with other competencies relevant to the job function.</p>	<p>There is essential information about assessing this competency standard for consistent performance and where and how it may be assessed, in the Assessment Guidelines for this Training Package. All users of these competency standards must have access to the Assessment Guidelines. Further advice may also be sought from the relevant Sector Booklet.</p>	<p>Key Terms and Concepts</p> <ul style="list-style-type: none"> • abnormalities and irregularities • automated feeders • computerised feeders • dietary requirements • feed stocks • feeding machinery and equipment • feeding program • hazard • intensive production unit • livestock behaviour • minor operational faults • occupational health and safety (OHS) • personal protection equipment (PPE) • risk assessment • silos

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handling spoilt feeds.	<ul style="list-style-type: none"> • workplace hazards and accidents • complete records and documentation of feed use and volumes for the shed • use machinery and equipment associated with providing feed. 			<ul style="list-style-type: none"> • type of feed • water flow • watering containers and lines • watering system • workplace records

Element	Performance Criteria	Range of Variables	HSC Requirements and Advice
1 Get and distribute feed	1.1 Daily feeding program for livestock is checked with supervisor.	<p>The Range of Variables explains the contexts within which the performance and knowledge requirements of this standard may be assessed. The scope of variables chosen in training and assessment requirements may depend on the work situations available.</p> <p>For more information on contexts, environment and variables for training and assessment refer to the Sector Booklet.</p> <p>What livestock are covered by this unit?</p> <p>Livestock covered by this unit include pigs, poultry, shedded sheep, feedlot and dairy cattle.</p>	<p>Learning experiences for the HSC must address:</p> <p>Information provided in a feeding program:</p> <ul style="list-style-type: none"> • feed types including <ul style="list-style-type: none"> – grains – meals – pelleted – liquid – roughage. • feed quantities • production objectives including: <ul style="list-style-type: none"> – target weight – reproduction – lactation – bone, muscle and fat growth – maintenance – fibre growth. • dietary requirements to meet production objectives • feeding methods and procedures • supplementary feeding • feeding frequency and rates. <p>Identification of animal groupings and matching of the correct quantity and type of feed.</p>
	1.2 OHS hazards are identified, risk assessed and suitable controls implemented.	<p>What actions could be taken to eliminate or minimise OHS risk?</p> <p>The range of actions are both systematic and at an operational level. These are listed below:</p> <p><i>Systems</i> should be in place to ensure the safe operation and maintenance of machinery and equipment including feed lines and feed trolleys and exposed moving parts. Precautions should also be in place to minimise exposure to noise and organics and other dusts. Systems and procedures for handling livestock, as well as working with and around electricity, should also be in place</p> <p><i>Fixtures</i> should be in place in all storage sheds including, where appropriate, access ladders,</p>	<p>Learning experiences for the HSC must address:</p> <p>An awareness of potential hazards including:</p> <ul style="list-style-type: none"> • dust • sun • heights • manual handling • electrical hazards • livestock behaviour • allergies • associated feeding machinery and equipment. <p>A basic understanding of risk assessment:</p> <ul style="list-style-type: none"> • identify hazards • assess associated risks • strategies to control/eliminate risks.

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		<p>hand rails and ladder cages</p> <p><i>Personal protective equipment</i> should be selected, used and maintained</p> <p><i>Environmental</i> conditions should be controlled to maximise safety for employees engaged in the storage and handling of stock feeds.</p> <p><i>Procedures</i> should be in place for safe handling of livestock and feeding equipment.</p>	<p>Actions to minimise or eliminate occupational health and safety (OHS) risks including:</p> <ul style="list-style-type: none"> • safe operation and maintenance of machinery and equipment • safety precautions for loading feed from silos and storage bins • precautions to minimise exposure to noise, organics and other dusts • procedures when working with and around electricity • fixtures including access ladders, hand rails and ladder cages for feed hoppers to limit injuries from heights • provision and use of personal protective equipment (PPE) • assistance when lifting heavy or bulky weights • procedures for handling livestock.
	<p>1.3 Suitable personal protective equipment is selected, used and maintained.</p>	<p>What personal protective equipment may be relevant to this standard?</p> <p>Boots, hats/hard hat, overalls, gloves, protective eyewear, hearing protection, respirator or face mask, and sun protection (sun hat, sun screen).</p>	<p>Learning experiences for the HSC must address:</p> <p>Selection, use, maintenance and storage of personal protective equipment (PPE) appropriate to work task.</p> <p>A range of PPE including:</p> <ul style="list-style-type: none"> • footwear • head protection – hard hat, sun hat and helmet • gloves • overalls • apron • respirator • face mask • hearing protection • eye protection – goggles, safety glasses and face guard • sunscreen • waterproof clothing. <p>Importance of correct fitting PPE.</p> <p>Maintenance of PPE according to manufacturer’s instructions and enterprise Standard Operating Procedures (SOP):</p> <ul style="list-style-type: none"> • cleaning and decontamination

Element	Performance Criteria	Range of Variables	HSC Requirements and Advice
			<ul style="list-style-type: none"> • correct storage • regular checks for damage • repair/replacement for worn, malfunctioning or damaged equipment/parts • disposal of single-use equipment.
	1.4 Assistance is provided for weighing and measuring feed .	<p>What assistance may be provided?</p> <p>Assistance may be provided in the way of loading and unloading bagged stockfeed or bulk feedstuffs into silos and other storage bins.</p>	
	1.5 Feed is loaded into trolleys from silos or other storage bins and distributed, or where used, automatic/computerised feeders are checked for blockages and correct functioning.	<p>How might automatic/computerised feeders be checked?</p> <p>The computer printout should be obtained and scanned for information about the feed distribution system. Data should be compared to known parameters for successfully operating system.</p>	<p>Learning experiences for the HSC must address:</p> <p>A basic understanding of the operation of silos.</p> <p>Machinery and equipment associated with feeding.</p> <p>The recognition and rectification of minor operational faults in feeders.</p>
	1.6 Supervisors are notified of any abnormalities or irregularities with feed stocks.		<p>Learning experiences for the HSC must address:</p> <p>Abnormalities or irregularities including:</p> <ul style="list-style-type: none"> • low feed stocks • strange smells or appearance of feed. <p>Notification of abnormalities according to enterprise procedures including:</p> <ul style="list-style-type: none"> • verbal reporting • written records.
	1.7 Tools, machinery and equipment are maintained and stored after use.		<p>Learning experiences for the HSC must address:</p> <p>Procedures for maintenance and storage of tools, machinery and equipment including:</p> <ul style="list-style-type: none"> • all equipment is cleaned after use • equipment is stored in the specified place • damaged or worn equipment is reported to the supervisor and replaced or repaired before storage.

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2 Check watering systems	2.1 Where appropriate, watering systems are adjusted for height or position.		
	2.2 Water flow is checked and adjustments are made accordingly.		<p>Learning experiences for the HSC must address:</p> <p>Purpose of cleaning water containers and lines including the removal of mould, contaminants and scale.</p> <p>Safe use of cleaning agents and solutions in accordance with Material Safety Data Sheet (MSDS).</p>
	2.3 Watering containers or lines are emptied and cleaned where necessary.		
3 Keep workplace records	3.1 Basic feeding records are kept and supervisor informed.	<p>What records may be kept?</p> <p>Daily feeding and watering records, basic reports to supervisor of abnormalities or irregularities affecting the feeding of livestock, such as broken or damaged cages, pens, feeders, watering systems, heaters, lights and fans.</p>	<p>Learning experiences for the HSC must address:</p> <p>Feeding records including:</p> <ul style="list-style-type: none"> • daily feeding and watering records • reporting abnormalities or irregularities in feeding • reporting damage to equipment (cages, pens, feeder, watering systems, heaters, lights and fans). <p>Enterprise recording or reporting methods including:</p> <ul style="list-style-type: none"> • databases • written reports • verbal communication with supervisor.

What processes should be applied to this competency standard?

There are a number of processes that are learnt throughout work and life, which are required in all jobs. They are fundamental processes and generally transferable to other work functions. Some of these are covered by the **key competencies**, although others may be added. The questions below highlight how these processes are applied in this competency standard. Following each question a number in brackets indicates the level to which the key competency needs to be demonstrated where

0 = not required 1 = perform the process 2 = perform and administer the process 3 = perform, administer and design the process

1. How can communication of ideas and information (1) be applied?	Communicating with supervisor regarding daily routines.
2. How can information be collected, analysed and organised (1) ?	Collecting, analysing and organising information in preparing to measure, weight and mix feed.
3. How are activities planned and organised (1) ?	In organising daily work routines for feeding and watering stock.
4. How can team work (1) be applied?	Working with teams and others in assisting with the movement of ingredients.
5. How can the use of mathematical ideas and techniques (1) be applied?	Using mathematical ideas and techniques in calculating feed requirements.
6. How can problem-solving skills (1) be applied?	Solving problems with regard to distributing feed and checking watering systems.
7. How can the use of technology (1) be applied?	Using technology in operating feeding and watering machinery and equipment.