

## CERTIFICATE III IN AGRICULTURE (Beef Production)

### SUGGESTED STUDY PLAN

#### **Group A Units** (\*units in italics are compulsory)

- RTE3713A Carry out workplace OHS procedures\**
- RTE3704A Prepare and apply chemicals
- RTE3705A Transport, handle and store chemicals
- RTE3113A Identify and draft livestock
- RTE3114A Implement feeding plans for livestock
- RTE3115A Implement livestock husbandry practices
- RTE3402A Implement animal health control programs

#### **Group B Units**

- RTE3131A Transport livestock
- RTE3147A Prepare for & implement natural mating of livestock
- RTE3712A Administer medication to livestock
- RTE3209A Plan and construct conventional fencing
- RTE3506A Monitor weather conditions
- RTE3137A Carry out basic hoof care procedures

#### **Group C Units**

- RTE4108A Manage horses for stockwork
- RTE3401A Control weeds
- UPTNEG091A Weld using gas metal arc welding process

### QUALIFICATION PACKAGING RULES

The Suggested Study Plan (*above*) has been aligned to the following qualification packaging rules.

A total of 16 units of competency must be completed

- Select 7 units from Group A (including the 1 designated compulsory unit)
- Select 6 additional units from Group A and/or B
- Select 3 additional units from Group A, B and/or C

Units should be selected from Group A and Group B in accordance with local work undertaken and local industry advice.

At least 12 of the units of competency presented for this qualification must relate to beef production work procedures, activities or contexts. In addition, at least 12 of the units selected to make up this qualification must be aligned clearly to Certificate III outcomes.

**For more information on tailoring a study plan to suit your needs contact  
a RITE Field Officer**

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**UNITS OF COMPETENCY – A brief description**

**SUGGESTED STUDY PLAN UNITS**

**GROUP A** (\*units in italics are compulsory)

**RTE3713A Carry out workplace OHS procedures\***

This competency standard covers the process of carrying out enterprise Occupational Health and Safety (OHS) policies and procedures. The unit is also concerned with OHS responsibilities of employees with supervisory responsibilities. It requires the ability to work in accordance with workplace procedures in hazard identification and risk control, carry out safe practices during work operations, and participate in arrangements for maintaining the health and safety of all people in the workplace. Carrying out OHS policies and procedures requires knowledge of employee and employer responsibilities under the OHS Act, enterprise procedures relating to hazards, fires, emergencies, accidents and risk control, and OHS signs and symbols relevant to area of work.

**RTC3704A Prepare and apply chemicals**

This competency standard covers the process of preparing and applying chemicals for the control of weeds, pests and diseases. It requires knowledge of the chemicals related to the workplace, the hazards and risks involved in their use, and the specific safety procedures prescribed for working unsupervised within organisational guidelines. It requires the ability to handle and apply chemicals ensuring minimum risk to self, others and environment and accurately record their use.

**RTC3705A Transport, handle and store chemicals**

This competency standard covers the process of transporting, handling and storing chemicals safely without supervision. It requires minimising risks, including avoiding spills and accidents, and following procedures, safety and environmental regulations, and Occupational Health and Safety (OHS) requirements to protect the health and safety of everyone in the workplace when handling chemicals. It requires knowledge of the chemicals used in a particular environment and the hazards involved in their handling and storage

**RTE3113A Identify and draft livestock**

This competency standard covers the functions involved in identifying and drafting or sorting of animals for sale, breeding or for other enterprise requirements.

Identifying and drafting/sorting animals is likely to be under limited supervision from others with checking only related to overall progress. Selecting animals is carried out within established routines, methods and procedures where some discretion and judgement by others is required.

**RTE3114A Implement feeding plans for livestock**

This competency standard covers the process of assessing the health and condition of livestock, and the available pasture for grazing. It requires the ability to interpret written feeding plans, to acquire and provide supplementary feed as determined, and to graze pasture prudently. It requires the knowledge of indicators of animal health at all ages within the herd/flock.

Discretion and judgement is required in the selection of the feeding system and in the assessment of supplementary feed requirements. Co-ordinating the feeding of livestock may involve some responsibility for others.

**RTE3115A Implement livestock husbandry practices**

This competency standard covers the functions involved in performing livestock husbandry in an agricultural environment. It requires the application of skills and knowledge to administer preventative health treatments appropriate to assessed livestock needs, monitor and evaluate livestock post-treatment, and maintain records accordingly. Competency requires an awareness of enterprise and legislative requirements with regard to animal welfare, workplace safety and positive environmental practices. The work requires some judgement and discretion, and would be carried out under minimal supervision within enterprise guidelines.

**RTE3402A Implement animal health control programs**

This competency standard covers the functions required to identify and treat internal and external parasites in animals. It requires the application of knowledge and skills to accurately diagnose the type and severity of infection or parasite infestation and administer appropriate treatments. Competency requires an awareness of legislative requirements with regard to animal welfare. The work in this standard is likely to be carried out under routine supervision within enterprise guidelines.

**GROUP B**

**RTE3131A Transport livestock**

This competency standard covers the functions required to safely and efficiently transport livestock to a destination within a specified timeframe.

It requires the application of knowledge and skills to handle livestock safely and humanely, maintain load within specifications, and monitor the health and condition of livestock during transit. An awareness of legislation requirements associated with animal welfare and the transport of livestock is also required. The work associated with this standard would require some judgement and discretion and is likely to be carried out under minimal supervision, with checking only related to overall progress.

**RTE3147A Prepare for and implement natural mating of livestock**

This competency standard covers the process of preparing for and implementing natural mating procedures for livestock.

Preparing for and implementing natural mating procedures is likely to be under limited supervision from others, with checking only related to overall progress. Work is likely to be performed in accordance with an established natural mating program or plan (i.e. seasonal or continuous mating). The work requires the application of livestock knowledge and a broad range of animal handling and husbandry skills. The work is usually done within routines, methods and procedures where some discretion and judgement are required in the organisation of work, and the achievement of outcomes within time and other constraints.

**RTE3712A Administer medication to livestock**

This competency standard covers the process of responsibly using medicine in treating animals. When the requirements of this standard are achieved, medications will be administered strictly in compliance with veterinary advice, instruction, and relevant regulations. Where necessary, professional veterinary or pharmaceutical support is engaged to administer medication.

This standard requires the application of skills and knowledge to administer medication to animals in a manner that is safe for both the operator and the animal. Competency requires an awareness of animal health legislative requirements and codes of practice, animal welfare codes of practice, and enterprise workplace safe practices. The work in this standard is likely to be carried out under routine supervision within enterprise guidelines.

**RTC3209A Plan and construct conventional fencing**

This competency standard covers the functions required to plan and construct conventional fencing. Conventional fencing refers to post and wire/wire netting under tension and can be used for animal control or as a deterrent for people and vehicles. It requires the application of skills and knowledge to identify and incorporate fencing needs and enterprise objectives into an efficient and cost-effective fence. It also requires the ability to match fencing requirements to the property's topography. It requires an awareness of workplace safety and environmental practices associated with maintenance activities. The work in this standard is likely to be carried out under routine supervision within enterprise guidelines.

**RTE3506A Monitor weather conditions**

This competency standard covers the process of monitoring and interpreting weather and climate conditions and assessing its likely impact on staff, crops, livestock, produce, property, natural resources, equipment and work tasks. Competency also requires the application of skills and knowledge to prepare for adverse weather and climate conditions, to change livestock and crop management programs and work tasks as appropriate, to minimise loss and damage and to continue to monitor and record weather and climate information. The work is likely to be carried out with limited or minimal supervision within enterprise guidelines.

**RTE3137A Carry out basic hoof care procedures**

This competency standard covers the process of maintaining horse hooves in premium condition. It requires the application of skills and knowledge necessary to inspect hooves, to perform basic care in line with enterprise policy, and to provide assistance to farriers and veterinarians where appropriate.

Work is likely to be under limited supervision from others, with checking only related to overall progress. The inspection and maintenance of hooves is performed within routines, methods and procedures, with necessary skills such as the basic use of farriery tools to complete routine hoof care.

## **GROUP C**

### **RTE4108A Manage horses for stockwork**

This competency standard covers the process of managing horses for stockwork. Competency requires the application of knowledge and skills to assess horse health and condition and facilitate corrective actions, determine nutritional programs, and formulate suitable rations. Competency also requires the ability to oversee all horse work on the property to ensure safety and efficiency of personnel. At the completion of the work described in this standard, the efficiency of horse related operations must be maximised. The work is likely to be carried out with limited or no supervision within enterprise guidelines.

### **RTC3401A Control weeds**

Control weeds.

### **UPTNEG091A**

This unit refers to the competence to perform general purpose gas metal arc welding to AS1554.GP. This standard requires the knowledge of Occupational health and safety standards; Relevant Australian standards; Basic metallurgy; Hand and portable power tools; Welding and heating techniques; GMAW consumables; Weld and material preparation techniques; Distortion control techniques; Welding jigs; Weld testing techniques; Fabrication and assembly techniques; Hazardous fumes and gases; Materials and their various profiles; Welding and heating equipment and its basic maintenance; Welding symbols; Communication principles; and the ability to: Apply occupational health and safety standards; Apply relevant Australian standards; Use welding, cutting and heating equipment; Maintain welding and heating equipment; Use hand and portable power tools; Use and update drawings, manuals and plans; Select materials; Apply relevant standards; Control distortion; Inspect and identify defects in welds; Inspect and finalise job; Utilise jigs and templates; communicate effectively.

## **OTHER UNITS OFFERED BY RITE**

### **GROUP A** (\*units in italics are compulsory)

#### **RTC3701A Respond to emergencies**

This competency standard covers the process of recognising and responding to emergencies and implementing a range of life support measures across a broad spectrum of situations /incidents. It requires the ability to accurately evaluate the emergency, avoid/control escalation of the emergency, efficiently implement a plan of action, and render first aid care. Responding to emergencies requires knowledge of Occupational Health and Safety legislation and regulations, the emergency network, and first aid casualty management principles.

#### **RTC3805A Coordinate work site activities**

This competency standard covers the process of coordinating work site activities for small-scale projects. Responsibility may be for the basic direction and coordination of small groups working on a site remote from the main enterprise, small projects or parts of projects, or small areas within the enterprise. The coordination of work site activities is likely to be under limited supervision with checking only related to overall progress. Work site coordination requires the application of extensive agricultural, horticultural and/or conservation and land management knowledge, and a broad range of relevant skills. The work is usually done within routines, methods and procedures where some discretion and judgement is required in the selection of equipment, work organisation, services, actions, and achieving outcomes within time constraints.

## **GROUP B**

#### **RTE3105A Carry out feedlot operations**

This competency standard covers the process of providing feed for feed-lotted animals and monitoring their health and welfare.

Carrying out feedlot operations is likely to be under limited supervision. Overall progress may be checked periodically. Carrying out feedlot operations will usually follow set routines, methods and procedures. Some discretion and judgement is required in the selection of equipment and materials, organisation of work, and services.

#### **RTE3124A Rear newborn and young livestock**

This competency standard covers the process of rearing newborn and young animals. Competency involves the application of knowledge and skills to prepare facilities, feed newborn and young animals, observe behaviour and

health, and identify the needs of newborn and young animals. Competency also requires the ability to check on progress, to provide treatment as required and to wean and handle newborn and young animals, and record relevant data. This work is likely to be carried out with minimal supervision within enterprise guidelines.

**RTE3102A Educate, ride and care for horses and equipment**

This competency standard covers the functions required to safely perform advanced level horsemanship activities such as regularly monitoring horse health and condition, breaking in horses in line with property policy, and advanced horse riding activities. At the completion of the work described in this standard, property horses must be handled effectively and properly.

This standard requires the application of skills and knowledge to carry out horse handling operations safely and humanely in prepared handling areas using appropriate equipment and techniques. Competency requires an awareness of animal welfare legislative requirements and organisation workplace safe practices. The work in this standard is likely to be carried out under routine supervision within organisation guidelines.

**RTE3210A Plan and construct an electric fence**

This competency standard covers the functions required to plan, construct and maintain an electric fence in a rural enterprise.

It requires the application of skills and knowledge to identify and incorporate the topographical features of a property into an efficient and cost-effective fencing plan for construction. An awareness of workplace safety associated with electric fencing is also required. The work is likely to be carried out under routine supervision within enterprise guidelines.

**RTE3406A Implement vertebrate pest control program**

This competency standard covers the functions required to plan and implement a strategy for the control of vertebrate pests in a rural environment.

It requires the application of knowledge and skills to assess the severity of pest infestation and determine methods and applications for the effective control of vertebrate pests without harm to other species or the environment. Competency requires an awareness of legislative requirements with regard to animal welfare, biosecurity, safety and environmental protection. The work in this standard is likely to be carried out under routine supervision within enterprise guidelines.

**RTE3133A Prepare livestock for competitions**

This competency standard covers the preparation and training of livestock for competitive showing.

It requires the application of knowledge and skills to groom and present livestock to competition standards, and maintain livestock health, welfare and nutritional requirements. Competency requires an awareness of legislative requirements with regard to animal welfare. The work in this standard is likely to be carried out under routine supervision within enterprise guidelines.

**RTE3006A Establish pastures and crops for livestock production**

This competency standard covers the functions required to establish pastures and crops for livestock production.

It requires the application of skills and knowledge to produce the maximum sustainable production of quality pasture and fodder to best match livestock needs. The work is likely to be carried out under broad supervision within enterprise guidelines.

**GROUP C**

**RTE2148A Handle young horses**

This competency standard covers the functions required to handle young horses. It requires the ability to safely catch, handle and restrain young foals, assist with weaning foals and to perform routine tasks in the preparation and presentation of yearlings for sale. This work is likely to be carried out with minimal supervision within enterprise guidelines.

*Group C can include other units of competency offered by RITE at levels II and IV. For information on level II and IV units see the relevant information sheets.*

*Units selected must be aligned to Certificate II, III or IV outcomes. These units must be relevant to work undertaken in the rural sector.*