

SafeGen

AGR 3000: Agriculture Safety Learner Outcomes

Learning Units

Unit 1	Hazards
After this unit the learner will be able to: <ul style="list-style-type: none">• Define 'hazard', 'near miss' and incident• Explain the importance of identifying workplace hazards• Understand the difference between health and safety hazards• Identify the 5 major categories of hazards and provide examples on the farm for each type• Identify and list hazards found on the farm or ranch	
Unit 2	Farm Hazards
After this unit the learner will be able to: <ul style="list-style-type: none">• Identify common hazards found on a farm or ranch• Describe the major hazards related to farm machinery• Identify farm environmental hazards• Identify and describe common health and safety practices and equipment that should be used around animals• Identify the ways in which the risk of injury or illness from farm hazards may be reduced or eliminated	
Unit 3	Farm Hazards Pt.2
After this unit the learner will be able to: <ul style="list-style-type: none">• Identify common hazards found on a farm or ranch• Describe potential hazards related to animal management• Identify farm environmental hazards• Identify and describe common health and safety practices and equipment that should be used around animals• Identify the ways in which the risk of injury or illness from farm hazards may be reduced or eliminated	

Unit 4	Hazard Assessment, Elimination and Control
<p>After this unit the learner will be able to:</p> <ul style="list-style-type: none"> • Explain the relationship between hazard identification, hazard assessment and hazard controls • Define 'risk' • Describe the process of assessing and evaluating hazards • Identify appropriate controls for the identified hazards on the farm or ranch • Explain the purpose of each level of control - Engineering, Administrative and PPE 	
Unit 5	Fire Safety and Prevention
<p>After this unit the learner will be able to:</p> <ul style="list-style-type: none"> • Identify and describe the main components of fire • Identify and explain the differences among the five classes of fire (A, B, C, D, K) • Describe the need for fire safety standards on the farm 	
Unit 6	Fire Detection and Response
<p>After this unit the learner will be able to:</p> <ul style="list-style-type: none"> • Describe how to control the threat of fires on the farm or ranch • Explain the three "A's" for fighting fires • Compare fire extinguishers and the classes of fire they are used for • Explain the steps for use of a portable fire extinguisher • Explain the purpose of a fire escape plan 	
Unit 7	Electrical Safety
<p>After this unit the learner will be able to:</p> <ul style="list-style-type: none"> • Explain why electricity can be a hazard • Identify potential hazard sources on the farm or ranch • Describe the key parts of a simple electrical system • Explain why electrical wires are insulated • Explain the purpose of a circuit breaker • Explain the purpose and describe the process of lockout/tag-out procedures 	
Unit 8	Ladder Safety
<p>After this unit the learner will be able to:</p> <ul style="list-style-type: none"> • Identify different types of ladders and when they should be used • Describe the safe set-up and use of each type of ladder • Describe and demonstrate how ladders should be inspected, maintained, and stored • Identify ways to protect yourself when using a ladder 	
Unit 9	Confined Space
<p>After this unit the learner will be able to:</p> <ul style="list-style-type: none"> • Describe the various types of confined spaces found on the farm or ranch • Identify hazards that may be found in different confined spaces • Assess the risk of each hazard for each type of confined space • Explain the need for confined space standards on the farm • Explain the purpose of a safe work procedure • Explain the purpose of a safe work permit 	

Unit 10	WHMIS
<p>After this unit the learner will be able to:</p> <ul style="list-style-type: none"> • Define Workplace Hazardous Materials Information System (WHMIS) • Explain the purpose of WHMIS • Identify the three parts of WHMIS • Identify 9 classes of hazardous products • Identify the basic labels used in WHMIS • Describe the information provided on a Safety Data Sheet (SDS) • Locate information on an SDS • Describe employer’s responsibility for providing WHMIS education and training 	
Unit 11	Emergency Response Planning
<p>After this unit the learner will be able to:</p> <ul style="list-style-type: none"> • Define and describe the purpose of an Emergency Response Plan (ERP) • Describe the basic components of an ERP • List and describe the steps necessary to create an ERP 	
Unit 12	Job Safety and the Law
<p>After this unit the learner will be able to:</p> <ul style="list-style-type: none"> • Identify and explain which health and safety legislation applies to farms and ranches, and which does not • Define the terms ‘employer’ and ‘worker’ • Discuss employers’ rights and responsibilities regarding safety • Discuss workers’ rights and responsibilities regarding safety • Explain why you can refuse to do unsafe work • Describe what to do if you are injured on a farm or ranch that has WCB coverage • Understand that Employment Standards do not apply to youth working on farms and ranches 	
Unit 13	Musculoskeletal Injuries (MSIs) - <i>Optional</i>
<p>After this unit the learner will be able to:</p> <ul style="list-style-type: none"> • Define ‘musculoskeletal injuries’ (MSIs) • Identify the different categories of MSIs • Explain the importance of listening to your body when completing work tasks on the farm or ranch 	