



Packaging of Competency Standards for Vocational Qualifications

CCAGCP3003 - CVQ Level 3 – Cricket Pitch And Field Maintenance

Unit Code	Unit Title	Mandatory/ Elective
AGGCOR0051A	Follow Emergency Procedures	Mandatory
AGGCOR0011B	Maintain the Work Environment	Mandatory
AGGCOR0021A	Observe Workplace Health and Safety Requirement	Mandatory
AG00033	Test a Cricket Pitch	Mandatory
AG00034	Lead a Team of Workers on Turf Facilities	Mandatory
AG00035	Upgrade Cricket Pitch and Outfield	Mandatory
AG00036	Plan and Manage the Control of Pests, Diseases and Disorders on Turf Facilities	Mandatory
AG00037	Manage Drainage and Irrigation Systems	Mandatory
AG00038	Supervise the Covering of a Cricket Pitch	Mandatory

**AGGCOR0051A:****Follow emergency procedures**

Competency Descriptor:

This unit deals with the skills and knowledge required by workers to respond to workplace emergencies such as fire and other dangerous situations and render first aid in the workplace.

Competency Field: Agriculture

ELEMENT OF COMPETENCY		PERFORMANCE CRITERIA	
1.	Minimise emergency situations	1.1	Appropriate actions are taken to maximise safety and minimise health hazards in the workshop and on site.
		1.2	Machinery handling and actions minimise risks to all personnel.
		1.3	Regular checks of the environs are carried out to minimise potential hazards.
2.	Plan for emergencies	2.1	Contingency plans are understood and activated for emergencies in compliance with enterprise policies.
		2.2	Regular checks of the environs are carried out to minimise potential hazards.
		2.3	Personal responsibilities are carried out in emergency situations and practice drills.
		2.4	Evaluation procedures are implemented to company standards.
3.	Act as instructed in emergencies	3.1	Contingency plans are activated for emergencies in compliance with safety procedures.
		3.2	Emergency procedures are carried out as required by established workplace policy.
4.	Implement fire prevention and control	4.1	Fire hazards are minimised as specified in workshop and fuelling procedures.
		4.2	Appropriate fire extinguishers and fire fighting plant are used in fire situations and the appropriate authority is notified according to specified procedures.
		4.3	Evacuation procedures are implemented as instructed according to workplace policy.



5. Render First Aid
- 5.1 First aid appropriate to the incident is correctly applied.
- 5.2 The patient is monitored whilst awaiting professional or para-medical support.

RANGE STATEMENT

The Range Statement provides advice to interpret the scope and context of this unit of competency, allowing for differences between enterprises and workplaces. It relates to the unit as a whole and facilitates holistic assessment. The following variables may be present for this particular unit.

Emergency situations may include:

- power failure
- quarantine breakdown
- fire, flood, storms
- heart failure
- breathing stopped and serious personal injury.

Legislation, codes and national standards relevant to the workplace may include:

- Labour laws of Jamaica
- Pesticide control authority regulations
- Occupational Health & Safety (OHS)
- Hygiene requirements
- First Aid regulations/requirements

Emergency equipment may include:

- first aid kits
- fire extinguishers
- emergency power generators
- chemical spillage kits

EVIDENCE GUIDE

Competency is to be demonstrated by the ability to apply knowledge and skills to the emergency situations outlined in the range statement.

(1) Critical Aspects of Evidence

Evidence should include a demonstrated ability to:

- consistently follow supervisor's instructions
- use emergency methods and procedures to respond to workplace emergency to the level acceptable by the enterprise
- activate contingency plans for emergency according to company standards
- report and record within established routines

(2) Pre-requisite Relationship of Units

- AGGCOR0021A Observe workplace health and safety requirement

**(3) Underpinning Knowledge and Skills**Knowledge

Knowledge of:

- sources of human injury
- basic concept of duty of care
- specific Acts and Regulations relating to emergency situations
- First Aid procedures for burns, heart attack, fainting, severe bleeding, open wound chemical burn, sprain, strain and electrical shocks
- fire safety measures
- types of fire extinguishers
- incident report

Skills

The ability to:

- minimise emergency situations
- plan for emergencies
- act as instructed in emergencies
- implement fire prevention and control
- render first aid as required
- apply fire safety measures
- write incident report

(4) Resource Implications

- a simulated work environment
- first aid kit
- fire extinguishers

(5) Method of Assessment

In order to achieve consistency of performance, evidence should be collected over a set period of time, which is sufficient to include dealings with an appropriate range of emergency situations

(6) Context of Assessment

This unit must be assessed through practical demonstration on-the-job or in a simulated workplace.

The underpinning knowledge may be assessed off-the-job with the use of written or verbal items.



CRITICAL EMPLOYABILITY SKILLS

Three levels of performance denote level of competency required to perform a task. These levels do not relate to the NCTVET Qualification Framework. They relate to the seven areas of generic competency that underpin effective workplace practices.

Levels of Competency		
Level 1.	Level 2.	Level 3.
<ul style="list-style-type: none"> Carries out established processes Makes judgement of quality using given criteria 	<ul style="list-style-type: none"> Manages process Selects the criteria for the evaluation process 	<ul style="list-style-type: none"> Establishes principles and procedures Evaluates and reshapes process Establishes criteria for evaluation

Collecting, analysing and organising ideas and information	Level 1	
Communicating ideas and information	Level 1	
Planning and organising activities	Level 1	
Working with others and in teams	Level 1	
Use mathematical ideas & techniques	Level 1	
Solve problems	Level 1	
Using technology	Level 1	

Please refer to the Assessment Guidelines for advice on how to use the Critical Employability Skills.

**AGGCOR0011B: Maintain the work environment**

Competency Descriptor:

This unit deals with the skills and knowledge required to keep the workplace place including workshops, tool sheds and planted areas tidy and safely maintained.

Competency Field: Agriculture

ELEMENT OF COMPETENCY	PERFORMANCE CRITERIA
1. Maintain a clean and efficient workplace	1.1 Appropriate tools are selected and used safely. 1.2 Waste and used materials are removed and placed in disposal containers specified by the enterprise. 1.3 Floors, benches and other flat work surfaces are swept, washed and treated according to enterprise guidelines. 1.4 Work areas are tidied and material stored neatly and according to enterprise guidelines.
2. Adopt safe working practices	2.1 Work habits (including personal hygiene) reflect knowledge and understanding of Occupational Health & Safety (OHS) responsibilities. 2.2 Protective clothing is worn and safety equipment is used according to enterprise safety plan/policy. 2.3 The work environment is kept tidy and free of hazards according to enterprise safety plan/policy. 2.4 Dangers and hazards within the workplace are recognised and reported to the appropriate person 2.5 Manual handling techniques when lifting or moving heavy loads conform to Occupational Health & Safety (OHS) guidelines.
3. Use hand tools, machinery and equipment	3.1 Tools, machinery and equipment are used to manufacturers or enterprise specifications. 3.2 Manufacturers and enterprise safety requirements are followed. 3.3 Unsafe or faulty tools, machinery and equipment are identified and segregated for repair or replacement. 3.4 Tools, machinery and equipment are cleaned and stored according to company policy.



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|---|--------------------------------------|-----|---|
| 4 | Maintain structures and surroundings | 4.1 | Structures are repaired to enterprise standards and according to supervisor's directions. |
| | | 4.2 | Surroundings are maintained according to enterprise requirements. |
| | | 4.3 | Structural damage and deterioration are reported to enterprise requirements. |

RANGE STATEMENT

The Range Statement provides advice to interpret the scope and context of this unit of competency, allowing for differences between enterprises and workplaces. It relates to the unit as a whole and facilitates holistic assessment. The following variables may be present for this particular unit.

This unit of competency should be demonstrated in accordance with the enterprise's :

- policies and procedures in regard to the maintenance of sites
- designated operating hours

Legislation, codes and national standards relevant to the workplace may include:

- Labour laws of Jamaica
- Pesticide control authority regulations
- Occupational Health & Safety (OHS)
- Hygiene requirements
- First Aid regulations/requirements

Tools and equipment may include:

- hand tools
- machinery and equipment in workshops or on-site inclusive of hand motor mowers, brush cutters, vacuum cleaners and blowers, high pressure air, water cleaners, pruning equipment and hoses

Structures may include:

- buildings, roads, tracks, soil conservation works, trellises, shelters, shade cloth, bird netting, hail netting, glass houses, yards, fences, drying racks and irrigation systems

Dangers may include:

- fire, electricity, natural objects (trees and landforms etc), water, plant, machinery, vehicles, chemicals

Planted areas may include:

- display beds, treed areas, shrubberies

EVIDENCE GUIDE

Competency is to be demonstrated by the ability to apply knowledge and skills to a limited range of maintenance tasks and roles.

(1) Critical Aspects of Evidence

- consistently follow supervisor's instructions
- perform maintenance tasks to the enterprise standard
- report and record within established routines
- apply OHS procedures

**(2) Pre-requisite Relationship of Units**

- Nil

(3) Underpinning Knowledge and SkillsKnowledge

Knowledge of:

- OHS rules and regulations for the workplace
- machinery assessment practices for safe use
- maintenance tasks for a worksite
- enterprise policy relevant to the job

Skills

The ability to:

- maintain a clean and efficient workplace
- use hand tools, machinery and equipment
- maintain structures and surroundings

(4) Resource Implications

- on the job agriculture work place environment

(5) Method of Assessment

This unit of competency may be assessed in conjunction with other units.

To achieve consistency of performance, evidence should be collected over a set period of time, which is sufficient to include dealings with an appropriate range of maintenance tasks.

(6) Context of Assessment

This unit must be assessed through practical demonstration on-the-job or in a simulated workplace environment.

The underpinning knowledge may be assessed off-the-job with the use of written or verbal items inclusive of short answer, extended essay items project or portfolio.

**CRITICAL EMPLOYABILITY SKILLS**

Three levels of performance denote level of competency required to perform a task. These levels do not relate to the NCTVET Qualification Framework. They relate to the seven areas of generic competency that underpin effective workplace practices.

Levels of Competency		
Level 1.	Level 2.	Level 3.
<ul style="list-style-type: none"> Carries out established processes Makes judgement of quality using given criteria 	<ul style="list-style-type: none"> Manages process Selects the criteria for the evaluation process 	<ul style="list-style-type: none"> Establishes principles and procedures Evaluates and reshapes process Establishes criteria for evaluation

Collecting, analysing and organising ideas and information	Level 1	
Communicating ideas and information	Level 1	
Planning and organising activities	Level 1	
Working with others and in teams	Level 1	
Use mathematical ideas & techniques	Level 1	
Solve problems	Level 1	
Using technology	Level 1	

Please refer to the Assessment Guidelines for advice on how to use the Critical Employability Skills.

**AGGCOR0021A: Observe workplace health and safety requirement**

Competency Descriptor:

This unit deals with the skills and knowledge required by workers to meet workplace occupational health and safety requirements.

Competency Field: Agriculture

ELEMENT OF COMPETENCY		PERFORMANCE CRITERIA	
1.	Maintain a clean and efficient workplace	1.1	Basic safety checks are undertaken before operation of all machinery and vehicles and hazards are reported to the appropriate supervisor
		1.2	Work for which protective clothing or equipment is required is identified and the appropriate protective clothing or equipment is used in performing these duties in accordance with workplace policy.
		1.3	Prior to performing manual handling jobs, risk is assessed and work is carried out according to currently recommended safe practice.
		1.4	Risks to bystanders are recognized and action is taken to reduce risk associated with jobs in the workplace
		1.5	All procedures and work instructions for controlling risk are followed closely.
2.	Render appropriate emergency procedures	2.1	Individuals maintain the necessary knowledge of and ability to follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to emergency.
		2.2	Emergency procedures are followed to company standards and workplace requirements.
		2.3	Emergency equipment is used in accordance with manufacturers' specifications and workplace requirements.
3.	Participate in arrangements for maintaining health and safety of all people in the workplace	3.1	Appropriate authorities are notified according to company policy.
		3.2	Contributions are made to the on going monitoring and reporting of all aspects of (OHS).



RANGE STATEMENT

The Range Statement provides advice to interpret the scope and context of this unit of competency, allowing for differences between enterprises and workplaces. It relates to the unit as a whole and facilitates holistic assessment. The following variables may be present for this particular unit.

This unit of competency should be demonstrated:

- in accordance with the enterprise's policies and procedures for maintaining health and safety at the workplace

Legislation, codes and national standards relevant to the workplace may include:

- Labour laws of Jamaica
- Pesticide control authority regulations
- Occupational Health & Safety (OHS)
- Hygiene requirements
- First Aid regulations/requirements

Hazardous manual handling tasks include:

- moving
- lifting
- carrying bags, drums, cartons
- shovelling
- loading materials
- pulling
- pushing
- up-ending materials
- chipping weeds
- picking fruit or vegetables

This unit of competency should be demonstrated in accordance with the enterprise's :

Hazards in the workplace include:

- plant and machinery operation and maintenance
- vehicles including motorcycles
- noise
- chemicals
- manual handling
- dust
- solar radiation
- natural hazards in trees (thorns and spines)
- electricity
- waterways

Protective clothing or equipment is required for:

- noise associated with plant and machinery
- pesticides
- dust
- work in the sun

Risk to bystanders include:

- run-over and injury associated with vehicles and machinery
- exposure to noise



Workplace procedures will include:

- hazard policies and procedures
- emergency policies and procedures
- procedures for use of personal protective clothing and equipment
- hazard identification and issue resolution procedures
- job procedures and work instructions

OHS emergencies in the workplace may include:

- electrocution
- fire
- flood
- chemical spills
- serious injury associated with tractors
- machines
- vehicles

Workers may include:

- permanently employed workers
- casual workers
- seasonal workers
- people visiting the workplace.
- contract workers

Other individuals may include:

- people visiting the workplace

EVIDENCE GUIDE

Competency is to be demonstrated by the ability to apply of knowledge and skills to a limited range maintenance tasks and roles.

(1) Critical Aspects of Evidence

- Evidence should include a demonstrated ability to consistently follow supervisor's instructions and use methods and procedures that are predictable to perform a limited range of maintenance roles in the appropriate context and to the level acceptable by the enterprise.
- The work is likely to be under direct supervision with regular checking. Reporting and recording is undertaken within established routines using methods and procedures that are predictable. There is a specified range of duties and contexts where the choice of actions required will be made quite clear by the supervisor.

(2) Pre-requisite Relationship of Units

- Nil

(3) Underpinning Knowledge and Skills

Knowledge

Knowledge of:

- significant hazards in the workplace
- local emergency services
- personal hygiene and fitness requirements

Skills

The ability to:

- follow workplace procedure for hazard identification and risk control
- act in an emergency
- maintain health and fitness
- render first aid

**(4) Resource Implications**

The following resources should be made available:

(4) Method of Assessment

Competency shall be assessed while work is undertaken under direct supervision and when the student/ apprentice is able to successfully perform all the required Performance Criteria relevant to the Unit in a workplace or simulated farm environment, within commercially acceptable timeframes.

Competencies in this unit may be demonstrated concurrently.

(6) Context of Assessment

This unit must be assessed through practical demonstration on-the-job or in a simulated workplace environment requiring until competency is achieved. /*

The underpinning knowledge may be assessed off-the-job with the use of written or verbal items inclusive of short answer, extended essay items project or portfolio.

CRITICAL EMPLOYABILITY SKILLS

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Please refer to the Assessment Guidelines for advice on how to use the Critical Employability Skills.

AG00033: Test a Cricket Pitch

Unit Descriptor:

This unit deals with the skills and knowledge required for testing a Cricket Pitch. It describes the work expectations associated with evaluating the use of, as well as, operating performance testing equipment and interpreting the results.

ELEMENTS

PERFORMANCE CRITERIA

Candidates must be able to:

1 Prepare for testing cricket pitch	1.1	Assess the cricket pitch for playing performance according to established standards
	1.2	Assess soil and turf factors affecting playing performance
	1.3	Check that the pitch performance, soil and turf factors conform to specifications
2 Operate performance-testing equipment	2.1	Check testing equipment to ensure that it conforms to specifications
	2.2	Conduct a minimum of three (3) tests on the cricket pitch in agreement with the facility manager
	2.3	Conduct operating procedures in a manner that conforms to specification
	2.4	Record the results of testing equipment accurately and in a suitable format
3 Interpret results of performance testing	3.1	Match results of the test with previously established standards
	3.2	Use empirical data to support the request to approve cricket pitch
	3.3	Categorise the surface according to the test results

RANGE STATEMENT

Performance testing equipment includes:

- laser level
- straight edge
- inclined plane, Clegg hammer
- permeameter, traction apparatus
- ball rebound apparatus

Playing performance includes:

- ball roll, ball rebound resilience
- surface hardness, surface traction
- height of cut, bulk density, moisture content
- level of play, botanical composition, surface evenness, penetration resistance

Soil and turf factors include:

- soil moisture, soil density, soil type, soil acidity, soil cracking behaviour
- mowing height, turf grass density
- turf grass species and variety, organic matter accumulation

UNDERPINNING KNOWLEDGE & SKILLS

Candidates must know:

1. what equipment is used to test a cricket pitch
2. how to operate performance testing equipment
3. how to read and interpret results of performance testing equipment
4. how is the playing performance of a cricket pitch determined
5. what factors affect the playing performance of a cricket pitch
6. how to use results of testing equipment to categorise the pitch

EVIDENCE GUIDE

(1) Critical Aspects of Evidence

Competency must be demonstrated in the ability to perform consistently at the required standards. In particular, assessors observe that the candidate can:

- establish standards of performance for cricket pitch
- determine soil and turf factors that will affect pitch performance
- conduct appropriate tests to determine quality of the cricket pitch
- use and record results from performance testing equipment correctly
- interpret results collected from performance testing equipment correctly
- categorise the cricket pitch surface according to test results

(2) Method of Assessment

Assessors should gather a range of evidence, over a period of time, which is valid, sufficient and authentic. Evidence should be gathered through a variety of ways including direct observation, practical work, oral and written questioning. The candidate must have access to all tools, equipment, materials and documentation required. The candidate must be permitted to refer to any relevant workplace procedures, manufacturer's specifications, codes, standards, manuals and reference materials.

(3) Context of Assessment

This unit may be assessed on the job. The competencies covered by this unit would be demonstrated by an individual working as part of a team. The assessment environment should not disadvantage the candidate.

AG00034: Lead a Team of Workers on Turf Facilities

Unit Descriptor:

This unit deals with the skills and knowledge required for leading a team of workers on turf facilities. It describes the work expectations associated with planning the work programme, monitoring and evaluating worker's performance and work completed.

ELEMENTS

PERFORMANCE CRITERIA

Candidates must be able to:

1	Plan the work programme	1.1	Determine the work activities to be accomplished
		1.2	Select an appropriate time frame of completion for each work activity
		1.3	Match the skills of the workers according to the required work
		1.4	Submit the work programme to the facility manager for approval
		1.5	Explain work requirements clearly to the workers, based on approved work programme
		1.6	Plan turf use for a specified period
		1.7	Plan a maintenance schedule for a specified period
2	Monitor worker's performance on the job	2.1	Submit the order of operations to the facility manager for approval and verification
		2.2	Check that staff carry out duties according to the agreed plan
		2.3	Carry out an appraisal of workers at each visit
3	Evaluate the success of the supervised work	3.1	Assess the quality of finished work

- 3.2 Present written and verbal reports to the manager
- 3.3 Recognise workers for satisfactory work according to workplace procedures
- 3.4 Settle grievances according to workplace regulations

RANGE STATEMENT

Work activities include:

- establishing a turf
- maintaining a turf
- preparing turf for a match

UNDERPINNING KNOWLEDGE & SKILLS

Candidates must know:

1. what work activities are to be completed on turf facilities
2. how to organise and schedule work activities for staff
3. how to review and assess staff's performance
4. how to assess the quality of work performed
5. how to prepare accurate reports

EVIDENCE GUIDE

(1) Critical Aspects of Evidence

Competency must be demonstrated in the ability to perform consistently at the required standards. In particular, assessors observe that the candidate can:

- determine the work activities and time frame of work to be accomplished
- prepare and submit the work programme for approval
- prepare schedule of maintenance work and turf use
- select and inform workers of their specific tasks

- monitor workers accordingly and evaluate finished work
- communicate with staff effectively and appropriately
- prepare and present reports according to established procedures

(2) Method of Assessment

Assessors should gather a range of evidence, over a period of time, which is valid, sufficient and authentic. Evidence should be gathered through a variety of ways including direct observation, practical work, oral and written questioning. The candidate must have access to all tools, equipment, materials and documentation required. The candidate must be permitted to refer to any relevant workplace procedures, manufacturer's specifications, codes, standards, manuals and reference materials.

(3) Context of Assessment

This unit may be assessed on the job. The competencies covered by this unit would be demonstrated by an individual working as part of a team. The assessment environment should not disadvantage the candidate.

AG00035: Upgrade Cricket Pitch and Outfield

Unit Descriptor:

This unit deals with the skills and knowledge required for upgrading a Cricket Pitch and Outfield. It describes the work expectations associated with determining the factors limiting turf growth and using appropriate soil conditioning methods to improve turf growth.

ELEMENTS

PERFORMANCE CRITERIA

Candidates must be able to:

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| 1 | Monitor factors limiting turf growth | 1.1 Determine properties of the soil profile relevant to the cricket pitch and outfield |
| | | 1.2 Identify the extent and depth of profile limitation |
| | | 1.3 Establish the extent of turf usage by individuals |
| | | 1.4 Establish the extent of the use and type of equipment and machinery on turf |
| 2 | Modify the root zone environment for improved turf growth | 2.1 Define key properties of root zone and profile |
| | | 2.2 Utilise suitable bypass or soil conditioning methods |
| | | 2.3 Ensure that the soil conditioning methods are compatible with traffic intensity |
| | | 2.4 Assess soil and weather conditions in relation to the technique employed |
| | | 2.5 Evaluate the success of modification from a range of sources |
| | | 2.6 Identify and procure appropriate equipment and materials, obtaining approval when required |
| | | 2.7 Keep all relevant records up to date, accurate and legible |

RANGE STATEMENT

Soil conditioning methods include:

- spi king
- slici ng
- v ertidraini ng
- hollow tyne cori ng
- pipe draina ge
- topdres sing
- fertilisi ng

Sources include:

- player reaction
- deterioration of pitch and outfield
- percolation and infiltration tests
- turf growth and recovery period

UNDERPINNING KNOWLEDGE & SKILLS

Candidates must know:

1. how to determine the properties of soil and why is this relevant
2. what are the different soil conditioning methods
3. what affects the selection of the soil conditioning method
4. how to evaluate the effects of the soil conditioning method utilised

EVIDENCE GUIDE

(1) Critical Aspects of Evidence

Competency must be demonstrated in the ability to perform consistently at the required standards. In particular, assessors observe that the candidate can:

- determine the soil properties and limitations of the soil profile
- determine extent of turf usage
- utilize appropriate soil conditioning techniques to improve turf growth
- determine effects of soil conditioning methods used
- identify appropriate equipment and materials for procurement
- prepare reports according to established procedures

(2) Method of Assessment

Assessors should gather a range of evidence, over a period of time, which is valid, sufficient and authentic. Evidence should be gathered through a variety of ways including direct observation, practical work, oral and written questioning. The candidate must have access to all tools, equipment, materials and documentation required. The candidate must be permitted to refer to any relevant workplace procedures, manufacturer's specifications, codes, standards, manuals and reference materials.

(3) Context of Assessment

This unit may be assessed on the job. The competencies covered by this unit would be demonstrated by an individual working as part of a team. The assessment environment should not disadvantage the candidate.



AG00036: Plan and Manage the Control of Pests, Diseases and Disorders on Turf Facilities

Unit Descriptor:

This unit deals with the skills and knowledge required for managing the control of pests, diseases and disorders on turf facilities. It describes the work expectations associated with planning and implementing control methods for pests, diseases and disorders on turf facilities.

ELEMENTS		PERFORMANCE CRITERIA	
Candidates must be able to:			
1	Monitor and plan the control of pests, diseases and disorders on turf facilities	1.1	Establish methods, timing and frequency of monitoring to determine the presence of pests, diseases and disorders
		1.2	Gather accurate monitoring information relating to the presence of pests, diseases and disorders at appropriate intervals
		1.3	Interpret all available information accurately, to identify the extent of the pest population, diseases, disorders and biological controls
		1.4	Select and apply relevant planning criteria in accordance with organizational policy and procedures
		1.5	Develop suitable plans for the control of pests, diseases and disorders and present them clearly to the appropriate personnel for approval
		1.6	Keep all relevant records up-to-date, accurate and legible
2	Manage the control of pests, diseases and disorders on turf facilities	2.1	Confirm that the selected control methods are in accordance with the organizational policy
		2.2	Check that the necessary equipment and materials are prepared and used safely and correctly
		2.3	Implement control methods in ways which minimize the risks

to non-target species and the environment

- 2.4 Take the appropriate action, when problems arise during pests, diseases and disorders control
- 2.5 Evaluate the method of pests, diseases and disorders control and amend method if necessary
- 2.6 Handle and dispose of waste and unused materials safely and correctly

RANGE STATEMENT

Equipment include:

- manual sprayer
- mechanised sprayer

Machinery include:

- pesticides
- weedicides
- fungicides

UNDERPINNING KNOWLEDGE & SKILLS

Candidates must know:

1. how to assess the risks associated with monitoring and controlling pests, diseases and disorders
2. what are the problems caused by pests, diseases and disorders
3. how to identify pests, diseases and other disorders
4. what are the available methods of monitoring and controlling pests, diseases and disorders
5. what are the different biological control methods for controlling pests
6. what are the different types of pesticides available and what are their uses
7. how to handle and use chemicals safely and effectively

8. how to prolong the effective life of chemicals
9. what problems can occur and what appropriate action can be taken
10. what are the dangers and emergency treatments associated with the use of chemicals

EVIDENCE GUIDE

(1) Critical Aspects of Evidence

Competency must be demonstrated in the ability to perform consistently at the required standards. In particular, assessors observe that the candidate can:

- establish methods for effective monitoring to determine the presence of pests, diseases and disorders affecting turf facilities
- determine the extent of pests, diseases and disorders affecting turf facilities
- develop plans for the controlling of pest, diseases and disorders
- implement appropriate control methods for pest, diseases and disorders
- resolve problems concerning pest, diseases and disorders
- handle, store and dispose of chemicals safely according to established procedures
- evaluate the control methods utilized
- prepare reports according to established procedures

(2) Method of Assessment

Assessors should gather a range of evidence, over a period of time, which is valid, sufficient and authentic. Evidence should be gathered through a variety of ways including direct observation, practical work, oral and written questioning. The candidate must have access to all tools, equipment, materials and documentation required. The candidate must be permitted to refer to any relevant workplace procedures, manufacturer's specifications, codes, standards, manuals and reference materials.

(3) Context of Assessment

This unit may be assessed on the job. The competencies covered by this unit would be demonstrated by an individual working as part of a team. The assessment environment should not disadvantage the candidate.

AG00037: Manage Drainage and Irrigation Systems

Unit Descriptor:

This unit deals with the skills and knowledge required for managing the drainage and irrigation systems on a sports turf.

ELEMENTS

PERFORMANCE CRITERIA

Candidates must be able to:

- | | | | |
|---|---------------------------|-----|---|
| 1 | Maintain drainage systems | 1.1 | Inspect and assess drainage systems according to schedule |
| | | 1.2 | Identify any problems with drainage systems |
| | | 1.3 | Take action to restore drainage systems to full effectiveness, after consultation with the facility manager |
| | | 1.4 | Record inspections and work undertaken clearly, accurately and promptly |
| | | 1.5 | Keep surroundings tidy and in a suitable condition following operations |
| 2 | Manage irrigation systems | 2.1 | Inspect and assess irrigation systems and surfaces according to the schedule |
| | | 2.2 | Identify any problems with irrigation systems |
| | | 2.3 | Take appropriate action to rectify any problems after consultation with the facility manager |
| | | 2.4 | Record inspections and work undertaken clearly, accurately and promptly |

RANGE STATEMENT

Problems with drainage systems include:

- leaking pipes and drains
- clogged pipes and drains
- damaged pipes and drains

Problems with irrigation systems include:

- clogged sprinkler systems
- damaged pumps
- damaged water hose

UNDERPINNING KNOWLEDGE & SKILLS

Candidates must know:

1. how to identify impeded drainage and its causes
2. what methods can be used to correct impeded drainage
3. what factors affect the flow rates in drains
4. what are typical problems that can occur and how to manage these effectively
5. how to maintain an irrigation system and equipment
6. how to recognize problems with the irrigation system

EVIDENCE GUIDE

(1) Critical Aspects of Evidence

Competency must be demonstrated in the ability to perform consistently at the required standards. In particular, assessors observe that the candidate can:

- identify problems with drainage and irrigation systems
- restore drainage and irrigation systems effectively
- record work completed according to established procedures
- prepare reports according to established procedures

(2) Method of Assessment

Assessors should gather a range of evidence, over a period of time, which is valid, sufficient and authentic. Evidence should be gathered through a variety of ways including direct observation, practical work, oral and written questioning. The candidate must have access to all tools,

equipment, materials and documentation required. The candidate must be permitted to refer to any relevant workplace procedures, manufacturer's specifications, codes, standards, manuals and reference materials.

(3) Context of Assessment

This unit may be assessed on the job. The competencies covered by this unit would be demonstrated by an individual working as part of a team. The assessment environment should not disadvantage the candidate.

AG00038: Supervise the Covering of a Cricket Pitch

Unit Descriptor:

This unit deals with the skills and knowledge required for supervising the covering of a Cricket Pitch. It describes the work expectations associated with directing the covering and removing the covers off a cricket pitch.

ELEMENTS

PERFORMANCE CRITERIA

Candidates must be able to:

- | | | | |
|---|---|-----|---|
| 1 | Direct the covering of a cricket pitch | 1.1 | Determine when the pitch should be covered |
| | | 1.2 | Select type, size, quantity and quality of covers for cricket pitch according to the weather conditions |
| | | 1.3 | Instruct workers to apply selected covers to cricket pitch |
| | | 1.4 | Check that covers are applied according to the established procedures |
| | | 1.5 | Check that the pitch is appropriately covered when not in use |
| 2 | Direct the removal of covers from a cricket pitch | 2.1 | Instruct workers to remove water from covers manually or by using suitable equipment |
| | | 2.2 | Check that covers are removed according to established procedures |
| | | 2.3 | Ensure that there is no spillage of water on the pitch or adjacent strips |
| | | 2.4 | Deal with spillage efficiently and effectively when it occurs |
| | | 2.5 | Carry out periodic checks to monitor the condition of the covers |
| | | 2.6 | Carry out repairs to the covers if necessary |

- 2.7 Store covers according to established procedures and in an appropriate place

RANGE STATEMENT

Equipment includes:

- water pump
- water hog

UNDERPINNING KNOWLEDGE & SKILLS

Candidates must know:

1. what criteria affect the selection of covers and when should the pitch be covered
2. what procedures are used in applying and removing covers from cricket pitch
3. what methods and equipment are used to remove water from the top of covers
4. how to deal with spillage on a cricket pitch
5. how to protect and store covers when not in use

EVIDENCE GUIDE

(1) Critical Aspects of Evidence

Competency must be demonstrated in the ability to perform consistently at the required standards. In particular, assessors observe that the candidate can:

- determine when the pitch must be covered
- select appropriate covers for the pitch
- ensure covers are in an appropriate condition for use
- provide clear instructions to workers
- supervise workers effectively
- ensure worker's activities are completed according to instructions
- deal with water spillage on the cricket pitch appropriately
- store covers in an appropriate location

(2) Method of Assessment

Assessors should gather a range of evidence, over a period of time, which is valid, sufficient and authentic. Evidence should be gathered through a variety of ways including direct observation, practical work, oral and written questioning. The candidate must have access to all tools, equipment, materials and documentation required. The candidate must be permitted to refer to any relevant workplace procedures, manufacturer's specifications, codes, standards, manuals and reference materials.

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