

Golf Course Supervisor

UNIT 27

Plan and manage the control of pests, diseases and disorders

Overview

The aim of this unit is to provide the learner with the knowledge, understanding and skills required for planning and managing the control of pests, diseases and disorders. Pests may include insects, slugs, snails and rodents. Diseases may be fungal, viral or bacterial and disorders may include nutrient deficiencies. The unit covers the identification, monitoring and developing plans for the control of the pests, diseases and disorders.

If the use of chemicals are required the learner must possess the appropriate certificates.

	Learner Outcomes		Assessment Criteria
	The learner will:		The learner can:
1	be able to plan the control of pests, diseases and disorders	1.1	develop suitable plans for the control of pests, diseases and disorders. The plans should specify the following: <ul style="list-style-type: none">• control method(s) to be used (chemical, biological and/or cultural)• timing• individuals involved• health and safety requirements• environmental protection measures
		1.2	present plans clearly to the appropriate people
2	be able to monitor the control of pests, diseases and disorders	2.1	establish methods, timing and frequency of monitoring to determine the presence of pests, diseases and disorders

		2.2	gather accurate monitoring information relating to the presence of pests, diseases and disorders at appropriate intervals
		2.3	accurately interpret all available information to identify the extent of the pest population, disease, disorders and biological controls
3	be able to manage the control of pests, diseases and disorders	3.1	confirm that the selected control methods are in accordance with legislative requirements
		3.2	implement at least two control methods in ways which minimise the risks to non-target species and the environment: i) chemical ii) biological iii) cultural
		3.3	take appropriate actions without delay should problems arise during pest, disease and disorder control
		3.4	evaluate accurately the use of control method and amend activities if necessary
4	be able to keep appropriate records	4.1	keep all relevant records up to date, accurate, legible and complete
5	be able to promote health and safety and environmental good practice	5.1	work in a way which promotes health and safety, is consistent with relevant legislation, codes of practice and any additional requirements
		5.2	ensure work is carried out in a manner which minimises environmental damage
		5.3	manage and dispose of waste in accordance with legislative requirements and codes of practice
6	be able to maintain and use relevant equipment	6.1	ensure equipment is prepared, used and maintained in a safe and effective condition throughout

7	know and understand how to plan for the control of pests, diseases and disorders	7.1	<p>explain the importance of developing plans for the control of pests, diseases and disorders and why they should cover the following:</p> <ul style="list-style-type: none"> • control method(s) to be used (chemical, biological and/or cultural) • timing • individuals involved • health and safety requirements • environmental protection measures
		7.2	explain the ways in which the plans should be communicated covering both written and spoken
8	know and understand how to monitor the control of pests, diseases and disorders	8.1	explain how to assess the risks associated with monitoring and controlling pests, diseases and disorders
		8.2	explain how to identify pests, diseases and disorders, the significance of their presence and the problems they cause
		8.3	explain integrated pest management and its advantages and disadvantages
		8.4	explain the effects of season and weather conditions on monitoring pest populations and how monitoring methods can be adjusted to take account of these changes
		8.5	explain the reasons for monitoring pest populations and the importance of developing suitable plans for their control
9	know and understand the records required for managing the control of pests, diseases and disorders	9.1	explain the records required and their importance
10	know and understand the control of pests, diseases and disorders	10.1	explain how to assess the health and safety risks related to controlling pests, diseases and disorders

		10.2	<p>explain different methods for controlling pests, diseases and disorders and the problems which may occur and the action to be taken covering:</p> <ul style="list-style-type: none"> • chemical • biological • cultural
		10.3	explain the safe and effective handling of chemicals and the dangers and emergency treatments
		10.4	explain how to prolong the effective life of chemicals
11	know and understand the reasons for maintaining equipment	11.1	explain the importance and methods of maintaining equipment for use
12	know and understand relevant health and safety legislation and environmental good practice	12.1	summarise current health and safety legislation, codes of practice and any additional requirements
		12.2	describe the possible environmental damage that could occur and how to respond appropriately
		12.3	explain the correct and appropriate methods for disposing of waste
		12.4	explain the records required for management and the legislative purposes and the importance of maintaining them