

# Golf Course Greenkeeper

## UNIT 4

### Preparing ground for seeding and planting (trees, shrubs and turf)

#### Overview

The aim of this unit is to provide the learner with the knowledge, understanding and skills required in preparing the ground for planting and seeding (plants to include trees, shrubs and turf). The preparation of the ground may cover the use of both hand tools and powered machinery such as tractor mounted equipment.

	<b>Learner Outcomes</b>		<b>Assessment Criteria</b>
	<b>The learner will:</b>		<b>The learner can:</b>
1	be able to select, use and maintain equipment	1.1	select appropriate equipment for this area of work
		1.2	use equipment according to instructions
		1.3	prepare, maintain and store equipment in a safe and effective working condition throughout
2	be able to prepare ground for seeding and planting	2.1	prepare the ground in a way that is appropriate for the plants/seeds to be established, the soil type and ground conditions
		2.2	add the materials specified for the operation
		2.3	produce the required tilth for the specified finish
		2.4	clear debris from the site effectively, safely, tidily and legally
		2.5	complete work to the agreed schedule
3	be able to work safely and minimise environmental damage	3.1	work in a way which maintains health and safety and is consistent with current legislation, codes of practice and any additional requirements
		3.2	carry out work in a manner which minimises environmental damage
		3.3	dispose of waste safely and correctly

4	know and understand how to prepare the ground	4.1	describe the different clearance and minor levelling methods which can be used
		4.2	describe how to achieve the correct tilth, consolidation, pH and nutrient levels depending on the use and finish
		4.3	state where, when and which materials should be used and the types that are appropriate
		4.4	state how preparation may be affected by type of plants/seeds, soil type, ground and weather conditions and type of site
		4.5	describe the unwanted impacts to a site which might occur when preparing ground and how to avoid them
		4.6	state why it is important to clear debris effectively, safely, tidily and legally
5	know and understand the types of hazards	5.1	describe the hazards of underground services and how to avoid these
6	know and understand the types of weeds	6.1	identify <b>15</b> types of perennial weeds and state how to control them
7	know and understand the types of equipment and materials required and how to maintain them	7.1	describe the equipment and materials which will be necessary for preparing ground for seeding and planting covering the following materials: <ul style="list-style-type: none"> <li>• organic matter</li> <li>• fertiliser</li> <li>• lime</li> <li>• perennial weed herbicides</li> </ul>
		7.2	describe methods of maintaining the equipment ready for use
8	know and understand the current health and safety legislation and environmental good practice	8.1	outline the current health and safety legislation, codes of practice and any additional requirements, which apply to this area of work
		8.2	describe how environmental damage can be minimised
		8.3	describe the correct methods for disposing of organic and inorganic waste