Open Awards Qualification Unit

This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Prepare and Operate a Tractor and Attachments
Unit Reference Number:	D/618/8393
Level:	2
Credit Value:	5
Minimum GLH:	40

2 Learning Outcomes and Criteria

Learning Outcome (The Learner will):		Assessment Criterion (The Learner can):	
1.	Know the main components and operator controls on tractors.	1.1	Identify the main components in the build of current tractors.
		1.2	State the purpose of the main operator controls and instruments in current tractors.
		1.3	Identify how trailers and attachments should be attached and controlled.
2.	Understand the legislation and codes of practiced that apply to tractor driving.	2.1	Summarise the relevant legislation and codes of practice that apply to working with tractors.
		2.2	Explain the main purpose of “Farm safety” initiatives in relation to tractor safety.
		2.3	Summarise the risk to operators and others from inappropriate tractor driving and use.
		2.4	Outline the health and safety guidance that applies to tractor operations, including Safe Stop.
		2.5	Outline the requirements for tractor drivers in terms of : • Age of driver • Total size and weight of tractor and attachments • Duration of work • Location of work • Task to be carried out
		2.6	Outline any additional legislation and requirements for the use of trailers and attachments with tractors.

The intellectual property rights remain with Open Awards

		2.7	Explain the Personal Protective Equipment (PPE) requirements for driving tractors and using attachments.
3.	Be able to carry out basic maintenance of, and make adjustments to, tractor settings.	3.1	Follow relevant health and safety legislation and guidelines when carrying our maintenance work on tractors.
		3.2	Carry out pre-start checks on tractors.
		3.3	Make appropriate adjustments to settings, seat and mirrors on tractors.
		3.4	Carry out pre-operational maintenance checks and tasks prior to driving tractors.
		3.5	Prepare tractors to accept a range of selected attachments.
4.	Understand the purpose of commonly used tractor attachments.	4.1	Explain the purpose of a range of tractor attachments including: • Trailed and carried attachments • Soil engaging implements • Vegetation engaging implements • Push/pull implements
		4.2	Explain the risks to operators from farm implements including power take-off (PTO driven) implements.
		4.3	Select appropriate attachments for given tasks.
5.	Be able to operate tractors and attachments.	5.1	Carry out appropriate risk assessments and pre-start checks prior to commencing tractor operations.
		5.2	Drive tractors safely and appropriately in line with relevant legislation and guidelines.
		5.3	Hitch selected attachments safely to trailers.
		5.4	Operate tractors with attachments safely to complete given tasks safely.
		5.5	Manoeuvre tractors and attachments safely and appropriately.
		5.6	Carry out Safe Stop procedure appropriately as required.
		5.7	Unhitch selected attachments safely.
		5.8	Leave unattached implements safely in storage fit for future use.
		5.9	Leave tractors safely in storage in a fit state for future use.

The intellectual property rights remain with Open Awards

Assessment and Delivery Guidance

For learners with no prior experience of tractor driving, we recommend that unit "Introduction to Tractor Driving" is delivered before delivering this unit.

This unit must be delivered in compliance with the relevant HSE Guidance:
Www.hse.gov.uk/agriculture/topics/children.htm

Training providers should deliver this unit in line with the following age restrictions:

Age	Allowed	Not allowed
Under 13	May ride on a trailer, or on a load carried by a trailer, if there are adequate means, such as edge protection, to prevent them falling from it.	Must not ride on or drive agricultural self-propelled machines (such as tractors and quad bikes) and certain other farm machinery.
13 – 16	May ride on a properly designed passenger seat. • Use a low-powered tractor with trailed rollers or harrows They may also be able to conduct the following operations: • Use a pedestrian-controlled slurry or manure scraper • Work on the inspection platform of a potato harvester • Ride am ATV, making sure their weight in ration to the ATV is appropriate, as weight transfer is key to safe and controlled handling	Must not drive or operate: • Towed or self-propelled harvesters and processing machines • Trailers or feed equipment with conveying, loading, unloading or spreading mechanisms • Power-driven machines with cutting, splitting, or crushing mechanisms or power-operated soil-engaging parts • Chemical applicators such as mounted, trailed or knapsack sprayers • Handling equipment such as lift trucks, skid steer loaders or track-laying vehicles.
16 – 18	May use larger machines and powered implements, but as an employer you must decide if this can be done, depending on the young person's experience and competence, not just their age.	

However, you should assess the individual's competency and experience, not just their age before allowing them to operate any machinery.

Practical tractor driving skills should be delivered and assessed in line with current legislation and guidelines:
Farm Vehicles
Using Tractors Safely
Safe Use of all-terrain vehicles (ATVs) in agriculture and forestry
Carrying passengers on farm trailers

The intellectual property rights remain with Open Awards